2024 ANNUAL SUMMARY AND SITE MAINTENANCE AND MONITORING REPORT

Former Bell Aerospace Facility
Wheatfield, New York
NYSDEC Site No. 932052

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Project No. 631037017
March 2025;
Revised November 2025

Certification

I certify that I am a New York State-registered Professional Engineer and that this project, conducted for Textron Inc. at the Former Bell Aerospace Facility, in Niagara County, Wheatfield, New York, is in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



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List of Acronyms & Abbreviations

µg/L	microgram(s) per liter
3DME®	3D Microemulsion® (Factory Emulsified)
APTIM	Aptim Environmental & Infrastructure, LLC
CME	Comprehensive Groundwater Monitoring Evaluation
COC	constituent of concern
CRS®	Chemical Reducing Solution®
DCE	dichloroethene
DO	dissolved oxygen
ft/ft	foot per foot
ISB	in situ enhanced biodegradation
ISCR	in situ chemical reduction
GPS	groundwater protection standard
mg/L	milligrams per liter
mV	millivolts
NCSD	Niagara County Sewer District
NYSDEC	New York State Department of Environmental Conservation
ORP	oxidation-reduction potential
QA/QC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
SSDS	sub-slab depressurization system
TCE	trichloroethene
Textron	Textron Inc.
TOC	total organic carbon
USEPA	U.S. Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound

1.0 Introduction

Aptim Environmental & Infrastructure, LLC (APTIM) has prepared this report to present the results of remedial and groundwater monitoring activities at the former Bell Aerospace Facility in Wheatfield, New York. This report discusses activities conducted during the 12-month monitoring period from January 1, 2024 through December 31, 2024 and is submitted in accordance with Textron Inc.'s (Textron) New York State Department of Environmental Conservation (NYSDEC) Order on Consent, Index No. 932052-01-04, effective December 16, 2014. This report discusses groundwater quality conditions, reviews annual system maintenance tasks, and presents any proposed changes to the current Groundwater Monitoring Plan as well as recommendations to optimize the operation of the Off-Site and On-Site groundwater remedial systems.

Groundwater contamination associated with the former Bell Aerospace Facility consists primarily of chlorinated ethenes, trichloroethene (TCE) and the biological degradation products cis,1,2-dichloroethene (DCE), vinyl chloride (VC), ethane, and ethene. Along with the chlorinated ethenes, the volatile organic compound (VOC) methylene chloride is also present at elevated concentrations. To capture and treat the groundwater contaminants, an Off-Site Groundwater Extraction System was constructed and became operational in 1993.

The Off-Site Groundwater Extraction System consists of six Zone 1 bedrock groundwater extraction wells (designated EW-1 through EW-6) connected by a subsurface double-containment pipeline that discharges the extracted groundwater to the Niagara County Sewer District (NCSD) Publicly Owned Treatment Works. Figure 1 presents a site layout showing the locations of the extraction wells and the groundwater monitoring points. Extraction Well EW-1 was taken out of service in March 1993, based on the lack of hydraulic response observed during startup of the remedial system. Extraction Well EW-6 was taken offline on April 11, 1996 in an attempt to reduce the contaminant concentrations at the southern boundary of the dissolved phase plume in this area. The cessation of groundwater extraction at EW-6 allowed Extraction Well EW-5 to draw the dissolved phase plume boundary to the north. Extraction Well EW-5 was taken offline on September 5, 2013 while Extraction Wells EW-2, EW-3, and EW-4 remained operational as part of an extended pilot study requested by the NYSDEC. The NYSDEC's approval of this proposal is included as Appendix A. The purpose of the pilot study was to configure the system to induce the edge of the plume in a northerly direction by turning off the southernmost extraction well while demonstrating that the three remaining extraction wells can continue to control the plume.

To address the groundwater contaminants on site and prevent their continued migration downgradient, the construction of an On-Site Treatment System was initiated on September 20, 1993 and was substantially completed in late 1994. Startup of the system occurred in April 1995 and then the operations of the On-Site Treatment System were suspended on October 30, 2017 for

the implementation of the Bioremediation Program. The treatment system has remained dormant during the 2018-2024 calendar years. When it was operational, the On-Site System consisted of seven Zone 1 bedrock groundwater extraction wells (designated EW-7, EW-8, EW-13, and DW-9 through DW-12) connected by a subsurface double-containment pipeline that delivered the extracted groundwater to the On-Site Treatment Plant.

A Bioremediation Pilot Study began in 2017 to enhance the degradation of dissolved-phase chlorinated VOCs adjacent to the former Neutralization Pond and the on-site area. Three in situ injections events have been conducted to provide a food source, microbial nutrients, microbial cultures, and iron based abiotic amendments to aid in decreasing constituent of concern (COC) concentrations and mass. The in-situ injections have been conducted in 2017, 2019, and 2021.

Groundwater sampling has been conducted at this site for more than 20 years. In 2024, groundwater sampling was performed in March 2024 and October 2024.

2.0 Bioremediation Program

A Bioremediation Pilot Study was initiated at the site during the fourth quarter of 2017 to enhance the degradation of dissolved-phase chlorinated VOCs adjacent to the former Neutralization Pond and the on-site area extending hydraulically downgradient to the south in the Zone 1 aquifer (APTIM, 2017).

2.1 2017 Bioremediation Injections

The initial Bioremediation Pilot Study injections of amendments was conducted between November 27 and December 20, 2017. The in situ bioremediation amendments were injected into the groundwater to create favorable conditions for biological degradation of site contaminants using 3D Microemulsion® (Factory Emulsified) (3DME®), Chemical Reducing Solution® (CRS®) and the bioaugmentation culture SDC-9™. The operation of the On-Site Groundwater Treatment System was suspended with the initiation of this pilot program as discussed in Section 1.0.

2.2 2019 Supplemental Bioremediation Injections

A second injection of the groundwater amendments was completed between October 14 and October 17, 2019 to aid in reducing chlorinated VOCs in the area of the highest concentrations. These supplemental injections consisted of a more robust combination of in situ chemical reduction (ISCR) and in situ enhanced biodegradation (ISB). The amendments injected were CRS®, sulfonated micro scale ZVI (S-MicroZVI™), and SDC-9™ and MDB-1™. The CRS® was to create reducing conditions favorable for reductive dechlorination and stimulate the ISCR degradation of CVOCs by using sulfide to create reactive iron sulfide minerals. The S-MicroZVI is a more reactive iron species (zero valent iron) and creates reduced groundwater conditions to also reduce sulfate to sulfide and provide another abiotic degradation pathway for the CVOCs. Also, the S-MicroZVI is mixed with a carbon source to make it more injectable and will support ongoing microbial activity. The microbial cultures SDC-9™ and MDB-1™ were injected along with the other amendments to supplement the naturally occurring bacterial population within the treatment area to reduce both chlorinated ethanes and methylene chloride.

2.3 2021 Supplemental Bioremediation Injections

Although the 2020 and 2021 post-injection data have shown a decrease in TCE and an increase in degradation products due to the ISB and ISCR treatments, high concentrations continued to be present in the source area near the former Neutralization Pond. In 2021, the highest concentrations of contaminants continued to be observed downgradient of the Neutralization Pond (cis-1,2-DCE above 100,000 micrograms per liter [µg/L]) at 87-13(1) and 17-05(1) and may have been inhibiting complete biological degradation. Due to the high concentrations of contaminants located in the source area of the site, a more aggressive groundwater treatment was conducted in late October

2021 to reduce the time required to decrease concentration levels and prevent migration of the contaminants downgradient.

The injection focused on two sub-areas that were based on the total organic carbon (TOC) levels and elevated chlorinated VOC and methylene chloride concentrations observed in the groundwater. The amendments used for the injection included the carbon source 3DME®, S-MicroZVI™, and the microbial cultures SDC-9™ and MDB-1™. The plan was to use the four wells north/northeast of the Neutralization Pond (DW-9, 19-01(1), 87-14(1), and DW-10) to inject 3DME® and the two microbial cultures SDC-9™ and MDB-1™. The two wells in the area with the highest concentrations of chlorinated VOCs (87-13-(1) and 17-05(1)) received only S-MicroZVI™. The locations of the injection wells and expected area of influence are shown on Figure 2.

On September 21, 2021 APTIM submitted the *Bioremediation Program Work Plan Supplemental Injection 2021* which was approved on September 24, 2021. The field activities were completed between October 26 and November 2, 2021 by Regenesis Remediation Services. Four of the six injection locations received the prescribed volume of amendments, and two locations were unable to accept the full injection volume due to either tight lithology or preferential pathways to the surface. Injections ceased at 17-05(1) after amendment surfacing was observed through the asphalt after 200 gallons were injected. At DW-9, no volume was added due to wellhead pressures that became unsafe while attempting to inject in this well. The remaining product that could not be utilized at 17-05(1) was injected into 19-01(1) and 87-13(1). The remaining product that could not be utilized at DW-9 was distributed evenly into 87-14(1) and DW-10.

2.4 2024 E-Redox® Supplemental Treatment

The bioremediation injections are reducing TCE concentration, and the plume area is decreasing; however, the highest contaminant concentrations are observed near the former Neutralization Pond and is the primary focus of the supplemental treatment pilot test using E-Redox®. To reduce the elevated concentrations that continued to contribute to downgradient contamination, the E-Redox® treatment system will be installed near the former Neutralization Pond per the *Bioremediation Program Work Plan Supplemental Treatment Pilot Test, E-Redox® 2024* (APTIM, 2024).

The E-Redox® technology applies a low-intensity electric field to establish a "micro-capacitor" mechanism throughout the contaminated matrix to achieve reduction of CVOCs via both abiotic and biological pathways. In addition, the shifts in electrical repulsion and solid/water interface configuration can enhance desorption of VOCs from the sorbed phase into water, benefiting both physical mass removal and other degradation processes. In the dechlorination of chlorinated solvents such as TCE, the dominant E-Redox® pathway is abiotic beta-elimination, which does

not generate intermediates such as cis-1,2-DCE and VC. E Redox® also benefits biological dechlorination by maintaining a low redox reduced condition and supplying electrons to microbes.

The E-Redox® technology will be conducted using three units for a total of 9 wells that were installed in December 2024. In January 2025, E-Redox® electrodes are planned to be installed into the nine wells that were installed in December 2024. In each well, one electrode will be installed, reaching through the treatment zone to the bottom of the screen. An insulated copper wire will be attached to the electrode and run out of the well through the conduit to a power control unit. Once the three units have been connected to power controls, they will be plugged into the 110-volt outlet and the voltage will be set as prescribed by E-Redox®. Baseline sampling was conducted in December 2024 as part of the Bioremeditation Program; the data are presented in Table 7. In addition to the current program, overburden monitoring wells 87-04(0), 87-13(0), 87-15(0), 87-17(0), and B-8(0) were sampled to evaluate possible vapor intrusion. Construction completion details and post installation groundwater data will be provided in the 2025 Annual Report.

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3.0 Sampling and Monitoring Activities

3.1 General

APTIM personnel performed field sampling activities according to the procedures detailed in the Groundwater Monitoring Plan for the site. Semi-annual groundwater monitoring was performed in March and October 2024 to evaluate VOCs for the Bioremediation Program. The October 2024 sampling event also included for the Annual Groundwater Sampling for even numbered years as shown on Table 1. The wells sampled for groundwater analysis during these events are identified in Tables 1 and 2 and shown on Figure 1. Groundwater gauging was conducted in April 2024 and October 2024 along with Site-wide well inspections, and those data are provided in Tables 3 and 4. The following sections provide details of the field activities and procedures associated with the monitoring and gauging program.

3.2 Hydraulic Monitoring

Groundwater elevations were measured at each monitoring well using an electronic oil/water level interface meter capable of measuring to an accuracy of 0.01 foot to determine the depth to water and total well depth (depth to the bottom) to calculate the height of the water column. Non-aqueous phase liquid was not detected in any of the wells gauged and has not been encountered in over 20 years. A summary of the water level measurements obtained during the April and October 2024 gauging events is presented in Table 4. The groundwater elevations from the Zone 1 wells for the Off-Site and On-Site areas are presented on Figures 3 and 4 for the April and October 2024 events, respectively. Figures 5 and 6 present the groundwater elevations from the Zone 1 On-Site wells the for the April and October 2024 events, respectively. The On-Site groundwater level elevation contour map for the Zone 3 bedrock aquifer for October 2024 is shown on Figure 7.

Previous annual summary and monitoring reports illustrated a groundwater depression on the contour maps just south of the Wheatfield facility at EW-13. An investigation into this depression was conducted in February 2023 by resurveying the well elevations. The groundwater elevation at EW-13 was previously calculated using the top of casing elevation. The recent survey data verified that the top of the vault elevation should be used to calculate the groundwater elevation, since the depth to groundwater is measured from the top of vault. The vaults are about 2.5 feet above ground surface while the top of casing is approximately 6.5 feet below ground surface. Utilizing the correct point of measurement to calculate the groundwater elevation at EW-13 eliminated the perceived depression just south of the Wheatfield facility.

3.3 Groundwater Sampling

3.3.1 General

Three groundwater sampling events were conducted in 2024. Groundwater sampling completed in support of the Bioremediation Program March 24 through 28, 2024. and October 22 through 29, 2024. In April 2024, groundwater sampling was conducted to evaluate the Off-Site System. The annual groundwater quality monitoring event was conducted from October 22 through 29, 2024. Tables 1 and 2 list the monitoring wells, sampling schedule, and analytical methods as required by the Order on Consent, Index No. 932052-01-04. The analytical data and measurements for the 2024 sampling events are summarized on Table 7. Groundwater data from 2017 to 2024 are also summarized on Table 8.

APTIM personnel performed field sampling activities in accordance with the procedures detailed in the Groundwater Monitoring Plan. Discussions of the Off-Site operations, groundwater quality, and hydraulic monitoring are included in the following sections of this report.

3.3.2 Monitoring and Extraction Well Sampling

In March 2024, the sampling event consisted of 12 monitoring wells in the Bioremediation Program as shown in Table 2. In October 2024, the sampling event consisted of 34 monitoring wells, which included those from the Bioremediation Program, for the annual sampling in October 2024 as shown in Table 1. Also, in April 2024, samples were collected from the Off-Site System extraction wells, EW-2, EW-3, EW-4, EW-5, EW-6 and monitoring well 93-03(1). The monitoring locations are shown on Figure 1.

All monitoring wells and extraction wells were analyzed for VOCs using U.S. Environmental Protection Agency (USEPA) SW-846 Method 8260B. Samples collected for assessing the Bioremediation Program were also analyzed for TOC, ethene, ethane, methane, and sulfate. The analytical methods are shown in Table 2 and an evaluation of the data is provided in Section 7.0.

Low flow sampling techniques were implemented during the two sampling events. Groundwater quality parameters (i.e., dissolved oxygen [DO], oxidation-reduction potential [ORP], pH, specific conductance, temperature, and turbidity) were monitored during purging to ensure water quality parameters were stable prior to sampling. These and other field observations were recorded on field sampling forms which are provided in Appendix B. The field observations and measurements are summarized for the March and October 2024 annual sampling events on Table 7.

The physical integrity of each location was visually inspected and noted prior to sampling. Each extraction well was inspected prior to entering the vault to ensure that the entranceway was free of obstructions. The ambient air inside the vaults was analyzed for lower explosive limit, oxygen deficiency, hydrogen sulfide, and carbon monoxide using a multi-gas meter prior to entry because the vaults are confined spaces. No readings of an ambient air quality parameter greater than

background concentrations (or outside of normal ranges for oxygen) were recorded. Well inspection forms are included as Appendix C.

Prior to conducting any purging or sampling activities, water level and total depth measurements were recorded. EW-2, EW-3, EW-4, and EW-5 have dedicated pumps, which were operated for at least 5 minutes prior to sample collection. The samples were collected from dedicated tubing attached to each well's sampling port, which was purged for approximately 1 minute prior to sample collection.

All purge water was containerized into Department of Transportation-approved 55-gallon drums for subsequent off-site disposal.

Immediately following collection, sample vials were placed into a cooler filled with ice to maintain an approximate temperature of 4 degrees Celsius. The samples were transferred under proper chain-of-custody to Eurofins Laboratory in Buffalo, New York, a New York State Environmental Laboratory Approval Program-certified laboratory. The chain-of-custody forms are included in Appendix B.

The results of the VOC and biological parameters analyses are presented in Tables 7 and 8.

3.3.3 HydraSleeve Evaluation

In 2024, APTIM began evaluating the use of HydraSleeve samplers to collect VOC samples. A pilot test utilizing six monitoring wells (87-17(1), 87-19(1), 87-20(1), 87-22(1), B-14, and DW-10) was started in order to conduct a comparison study. HydraSleeves will continue to be deployed a minimum of two weeks prior to sampling. Following the sample collection utilizing the HydraSleeve, low flow sampling method is performed to serve as a "baseline" for comparison purposes. This HydraSleeve pilot test will be performed again in the Spring of 2025 and an evaluation of the methods will be provided in the 2025 annual report.

3.4 Annual Maintenance

3.4.1 Monitoring Well Inspections

Monitoring wells are visually inspected and accessed semiannually during the routine hydraulic monitoring events. Annual well inspections are completed for each sampled monitoring well. Inspections and needed maintenance are summarized in Table 3 and field inspection checklists are provided in Appendix C. No maintenance on monitoring wells was conducted during the 2024 calendar year. However, it was noted on the inspection forms that some wells required maintenance and will be conducted in 2025.

3.4.2 Homeowner Communications Regarding Private Well Abandonment

In 1990, a survey of private wells was completed in the area of contaminated groundwater associated with the closed Neutralization Pond. Bell Aerospace Textron requested and received permission from NYSDEC to decommission exposed wells in the survey area. As of September 1996, a total of 28 wells had been decommissioned in the Wheatfield, New York, area as part of this effort. Over the intervening years, additional wells have been decommissioned. Even though all adjacent residences are supplied with public water, some residents have retained private wells for non-potable usage.

Textron annually sends letters to private well owners offering to pay for closure of their wells. Letters were sent out by Certified Mail with return receipts via United States Postal Service on October 24, 2024. No filled forms or letters were returned to APTIM. Details of this effort were reported to Textron, the New York State Department of Health, and the NYSDEC in a letter report dated December 19, 2024. The 2024 Homeowner Well Communications Report is included as Appendix D.

4.0 Laboratory Analytical Methods

4.1 Analytical Parameters

All monitoring wells and extraction wells were analyzed for VOCs using USEPA SW-846 Method 8260B. Samples collected for assessing the Bioremediation Program were also analyzed for TOC, ethene, ethane, methane, and sulfate. The analytical methods are shown in Table 1 and Table 2, and an evaluation of the data is discussed in Section 7.0. The laboratory analytical report from each sampling point is included as Appendix E.

4.2 Quality Assurance/Quality Control Samples

During the Bioremediation Sampling Program (March 2024), one duplicate sample identified as DUP-1 (B-10A(1)) was collected. One matrix spike and matrix spike duplicate sample was also collected from 87-16(1). Laboratory-supplied trip blanks accompanied all of the samples during transport. All method-specific quality assurance/quality control (QA/QC) blanks and samples were analyzed for VOCs via USEPA SW-846 Method 8260B. The QA/QC data are included as Appendix E.

During the April Off-site sampling event, one duplicate sample identified as DUP-1 ((93-03(1)) was collected. One matrix spike and matrix spike duplicate sample was collected from 93-03(1). Laboratory-supplied trip blanks accompanied all of the samples during transport. All method-specific quality assurance/quality control (QA/QC) blanks and samples were analyzed for VOCs via USEPA SW-846 Method 8260B. The QA/QC data are included as Appendix E.

During the Annual Sampling Program (October 2024), one duplicate sample identified as DUP-1 (89-12(1)) was collected. Two matrix spike and matrix spike duplicate samples were also collected from 87-17(1) and EW-4. Laboratory-supplied trip blanks accompanied all of the samples during transport. All method-specific quality assurance/quality control (QA/QC) blanks and samples were analyzed for VOCs via USEPA SW-846 Method 8260B. The QA/QC data are included as Appendix E.

4.3 Data Review

The data review for this project consisted of verifying that analytical holding times were not exceeded, a review of the data, comparison of the matrix spike/matrix spike duplicate and duplicate results to corresponding monitoring well data, and a review of the QC data. The data are considered usable. The data review is included as Appendix F.

5.0 Off-Site and On-Site Extraction System Operations

5.1 Review of Off-Site and On-Site System Operations

5.1.1 Off-Site System

There were no permanent operational changes made to the Off-Site System during the 2024 calendar year. A total of 11,996,545 gallons of groundwater was extracted by the Off-Site System during the 2024 calendar year; this number was obtained by taking the sum of the volume reported by the individual wells. Average daily flow rates varied from a low of 27,996 gallons per day recorded in December 2024 to a high of 38,970 gallons per day recorded for June 2024. The flow rates and total volumes of treated water discussed previously are based on the telemetry information sent from the system and are reported semiannually to the NCSD.

The system is currently online and running with no outstanding issues.

5.1.2 On-Site System

The On-Site System remained dormant throughout 2024. The operation of the On-Site Groundwater Treatment System was suspended on October 30, 2017, with the initiation of the Bioremediation Program. The Bioremediation Program has been implemented to treat and remove chlorinated VOCs from the Zone 1 fractured-rock water-bearing unit within the capture area of the discontinued On-Site System. The bioremediation amendments were injected into the subsurface in December 2017, October 2019, and most recently in October and November 2021.

5.1.3 Repairs, Upgrades, and Enhancements to Systems

No alterations or improvements to the current system were made in the 2024 calendar year. In April 2024, the offsite pumps EW-3, EW-4 and EW-6 were pulled and cleaned.

5.1.4 Residential Sub-Slab Depressurization System

A sub-slab depressurization system (SSDS) was installed in a residential property at 2260 Cayuga Drive Extension in March 2014. Per the approved Site Management Plan, the SSDS will remain active until such time that the NYSDEC and New York State Department of Health grant permission for termination of its operation. The maintenance of this system is performed on an "as needed" or "on call" basis. Textron verifies the system's operation with the homeowner on an annual basis, on or around March 1. The homeowner notifies Textron of any operational issues with the SSDS. No operational issues were recorded in 2024.

5.2 Discharge Monitoring

5.2.1 Off-Site System

During the 2024 calendar year, the Off-Site Groundwater Treatment System was operational 99.7 percent of the time. The Off-Site System had no recordable down time events during this monitoring period. A manual shutdown occurred in April for maintenance and repairs.

As specified by Textron's NCSD Industrial Discharge Permit (No. 22-07, effective February 1, 2022), the extracted groundwater from the Off-Site System is required to be monitored for flow daily and sampled and analyzed for VOCs via USEPA Method 624 on a semiannual basis. Results of the sewer discharge monitoring conducted on April 29 and 30 and October 22 and 23, 2024 indicate that Textron remains in compliance with the NCSD permit. Copies of the letter reports submitted to the NCSD are included as Appendix G.

5.2.2 On-Site System

Operations of the On-Site Treatment System were suspended on October 30, 2017, to allow for the completion of the Bioremediation Pilot Study. While operations of the system are suspended, electronic Discharge Monitoring Reports will continue to be submitted noting "No Discharge" during the monitoring period, as required by Textron's State Pollution Discharge Elimination System Permit No. NY0000469.

5.2.3 Site Inspections

The Niagara County Department of Health did not perform an annual inspection in 2024. The operation of the On-Site Groundwater Treatment System was suspended on October 30, 2017, with the initiation of the Bioremediation Program. The last inspection was conducted on March 16, 2018, and the inspection report noted that Textron was in substantial compliance with its State Pollution Discharge Elimination System permit during the operational period.

APTIM personnel completed operation and maintenance activities and inspected the backup battery unit for the Off-Site System and extraction wells on April 29 and 30, 2024. These activities included the removal and cleaning of the pumps, level sensors, and flow meters.

During the annual groundwater sampling event in October 2024, APTIM personnel visually observed the cap area and noted that the cap appeared to be intact and in "good" condition.

Mr. Steven Moeller, P.G. with the NYSDEC performed a site visit on March 25, 2024 (first Semiannual Sampling Event for the Bioremediation Pilot Study); April 29, 2024 (off-site Extraction Well Sampling Event); and October 22, 2024 (Annual Groundwater Sampling Event/Second Semiannual Sampling Event for the Bioremediation Pilot Study) to complete the RCRA Comprehensive Groundwater Monitoring Evaluation (CME) and Field Inspection Report. Mr. Moeller CME and Field Inspection Report of February 5, 2025 stated that the facility was

found to be in compliance with the Site Management Plan (2018) and the Order on Consent (Index No. 932052-01-04).

Based on the CME, Mr. Moeller made the following recommendations.

- Repair damaged well 86-23A;
- Update the 2012 *Groundwater Monitoring Plan*;
- Since DNAPLs have historically been noted in the source area and remnant injection amendments have been noted as LNAPLs in some wells, ensure that an interface probe is consistently used to record depth to water, any Non-Aqueous Phase Liquids (NAPLs), and well bottom measurements;
- For worker safety, evaluate acquisition of lighter weight (e.g., glass-reinforced plastic or composite material) manhole covers for the Off-site extraction well vaults;
- Ensure that a multi-gas meter is consistently used to monitor the well vaults for the presence of H2S, oxygen deficiency, and LEL.

These recommendations will be addressed in 2025.

5.3 Routine Operational Corrective Measures

Inspection of the On-Site treatment facility was conducted monthly between January 1 and December 31, 2024 by APTIM personnel. No hazardous waste shipments were shipped from the site during 2024.

6.0 Hydraulic Evaluation

6.1 Off-Site System

The Off-Site System is located immediately downgradient of the site and On-Site System. The groundwater elevation maps show a significant cone of depression indicating that all the site groundwater continues to be captured without On-Site System operations as shown on Figures 3 and 4. The hydraulic response of the aquifer to the pumping of the Off-Site System has remained consistent since system startup in March 1993, although precipitation (especially when heavy or prolonged) has been shown to have an impact on the overall elevation of the cone of depression. Specifically, heavy precipitation events tend to raise the water table elevation in all wells in the Off-Site area. However, an inward hydraulic gradient toward the Off-Site pumping system has always been observed and maintained as specified in the system design goals.

Groundwater flow directions, as shown on Figures 3 and 4, have remained consistent within the developed cone of depression, flowing toward the operating extraction wells of the Off-Site System. Note that since September 5, 2013, EW-5 has been non-operational as part of an NYSDEC-approved pilot study evaluation regarding the ability of the three northernmost extraction wells to contain the prevailing southerly migration of impacted groundwater. This pilot study has proven to be successful, and the NYSDEC has granted a provisional shutdown of Extraction Well EW-5. The horizontal hydraulic gradient in October 2024, immediately north of the Off-Site System, was approximately 0.008 foot per foot (ft/ft), as determined from water levels recorded in Wells 87-20(1) and EW-2 as shown on Figure 4. The horizontal hydraulic gradient in this area has decreased by 0.002 feet per foot from 2023 to 2024.

The average linear velocity of groundwater can be calculated from hydraulic gradient data. To calculate this velocity (v), the average Zone 1 hydraulic conductivity (K) of 2×10^{-3} centimeters per second; an effective porosity (n_e) value of 3 percent, as presented in the Resource Conservation and Recovery Act (RCRA) Facility Investigation for the former Textron facility (Golder, 1991); and the calculated hydraulic gradient (i) between Wells 87-20(1) and EW-2 as recorded during October 2024 were used. The formula is:

$$v = (Ki)/n_e$$

The average linear velocity of groundwater in the area immediately north of the Off-Site System during October 2024 was approximately 0.016 feet per day based on the hydraulic gradient of 0.008 ft/ft. The flow rates are comparable from year to year and consistent with historic site observations.

Groundwater elevation contour maps of the Zone 1 bedrock aquifer in the vicinity of the On-Site and Off-Site systems for the April and October 2024 hydraulic monitoring events are presented on Figures 3 and 4, respectively. These maps indicate a consistent cone of depression in the Off-Site area. The VOC figures show that the Off-Site System is contributing to the prevention of contaminant migration further south. Groundwater flow direction has remained relatively consistent, toward the operating extraction wells, indicating that the remedial system is controlling groundwater migration in this area.

6.2 On-Site System

Operation of the On-Site System was suspended on October 30, 2017 in support of the Bioremediation Program. The On-Site System remained dormant throughout the 2018-2024 calendar years. Figures 5 and 6 show the Zone 1 semiannual groundwater contour maps from April and October 2024, respectively; they illustrate the constant and stable groundwater flow with the treatment system offline. The use of ongoing in situ remediation technology is proven to be a more effective method at degrading the VOCs and coincidingly reducing the parent VOC mass.

The remedial goals of the design of the On-Site System included the maintenance of an upward gradient between the Zone 3 and Zone 1 aquifers and a downward gradient between the overburden and the Zone 1 aquifer. To evaluate the vertical gradient between Zone 1 and Zone 3, co-located wells were compared to determine the flow direction. Tables 5 and 6 provide vertical groundwater gradients calculated during the April and October groundwater gauging events. Based on the data in Tables 5 and 6, upward gradients from Zone 3 to Zone 1 were observed at 5 of 6 well pairs in April and all 6 well pairs in October. In April, hydraulic gradients ranged from -0.17 ft/ft to 0.46 ft/ft. In October, hydraulic gradients ranged from 0.15 ft/ft to 0.31 ft/ft. Overall, the upward gradient between Zone 3 and Zone 1 was maintained in 2024.

The On-Site groundwater elevation contour map for the Zone 3 bedrock aquifer for October is included as Figure 7. Groundwater flow in the Zone 3 aquifer is primarily in a southeasterly direction, which is consistent with the historical flow direction.

Field data from the April and October 2024, hydraulic monitoring events are shown in Table 4 and indicate that the desired downward hydraulic gradient between the overburden and Zone 1 continues to be present in seven of the eight On-Site well pairs measured. Downward hydraulic gradients were observed at well pairs 87-01, 87-04, 87-10, 87-13, 87-14, 87-15, and 87-18, with a slight upward gradient of 0.18 ft/ft detected at the 87-17 well pair. For example, at 87-01(0) and 87-01(1) ground water elevations were 573.63 ft MSL and 570.17 ft MSL, respectively. The negative difference in hydraulic head indicates a downward gradient, which was maintained with the treatment system offline.

Tables 5 and 6 present a summary of vertical hydraulic gradients between Zones 1 and 3 from the April and October hydraulic monitoring data, respectively. The field data indicate that an upward gradient exists between Zone 1 and 3. Maintenance of this "upward gradient" shows effective containment of the plume within Zone 1.

7.0 Groundwater Evaluation

In this section, the site has been divided into four separate areas to aid the discussion and present the information in a clear fashion. The groundwater evaluation is discussed in the direction of groundwater flow starting in the Source Area to the north and then to the Mid-Plume Area, Downgradient On-Site Area, and lastly to the Downgradient Off-Site Area.

The first bioremediation in situ injections were conducted in 2017 and focused on the Source and Mid-Plume Areas. The 2019 and 2021 supplemental injections focused primarily in the Source Area. All of the in situ injections are expected to aid in reducing concentrations in each of the areas either by active remediation or indirectly as treated groundwater migrates downgradient.

The in situ injections aided in creating groundwater conditions that are favorable for the anaerobic degradation process called reductive dechlorination and abiotic degradation processes. During the reductive dechlorination process, the chlorinated ethene or TCE serves as an electron acceptor, and chlorine atoms are sequentially replaced by protons to yield cis-1,2-DCE, VC, and ethene as daughter products. A common observation is that TCE is reductively dechlorinated under relatively mild reducing conditions (e.g., sulfate-reducing conditions), whereas reductive dechlorination of cis-1,2-DCE and VC requires increasingly stronger reducing conditions (e.g., methanogenic conditions).

The changes in the plume areas of TCE, cis-1,2-DCE, VC, ethene, and methylene chloride are presented on Figures 8, 9, 10, 11, and 12, respectively. Historical data starting in 1994 are provided in Appendix H. Graphs of VOC concentrations of select wells are provided in Appendix I. Graphs of molar concentrations of select wells are provided in Appendix J.

7.1 Contaminant Concentrations

Since the beginning of the Bioremediation Pilot Study, the chlorinated ethenes have decreased throughout the site. During this time, TCE and cis-1,2-DCE concentrations have reduced and the degradation daughter products VC and ethene have increased, indicating that reductive dechlorination is occurring. The size of the TCE and cis-1,2-DCE plumes within the treatment area have decreased since the initiation of the Bioremediation Program.

7.1.1 Source Area

Monitoring Well 87-13(1) is located near the former Neutralization Pond and was the focus of the supplemental injections conducted in October 2019 and 2021. Concentrations of TCE and cis-1,2-DCE continued to increase until March 2021 as shown in Appendix I, Graph 6-S1. After the November 2021 injections, the concentrations of TCE, cis-1,2-DCE, and VC have decreased. The well was also used as an injection well in November 2021 and therefore the data may be biased.

TCE concentrations decreased from 350,000 µg/L in March 2021 to 170 µg/L and 270 µg/L in March and October 2024, respectively. Cis-1,2-DCE concentration decreased from 250,000 µg/L to 190 µg/L and 290 µg/L over the same timeframe. VC decreased from 7,200 µg/L in October 2021 to less than the detection limit of 100 µg/L in March and October 2024. The mass of VOCs was primarily TCE and cis-1,2-DCE until October 2021. After the November 2021 injections, the reduction in mass was primarily abiotic as we do not see a complete mass transfer through the daughter products VC and ethene. However, an increase in ethene has been observed to levels over 1,000 µg/L since March 2022 and was detected at 1,800 and 1,600 µg/L in March and October 2024, respectively. These levels of ethene indicate that some degradation is also due to biological processes as shown in Appendix J Page 1.

Monitoring Well 87-16(1) is located on the west side of the former Neutralization Pond and has exhibited the highest levels of COCs on site. TCE concentrations increased in March 2023 to 570,000 µg/L from 400,000 µg/L in October 2022. However, TCE concentrations decreased to 340,000 µg/L in October 2023, and continued to decrease in both March and October of 2024, to 330,000 and 310,000 µg/L respectively. The 2024 TCE levels are the lowest observed at this well since May 2020, as shown in Appendix I, Graph 6 S2, and Table 8. The concentrations of cis-1,2-DCE have fluctuated between 77,000 µg/L and 110,000 µg/L between October 2021 and 2024, indicating that the reduction in concentrations may be due to both abiotic and biotic processes. Also, ethene has been observed to levels over 100 µg/L at this well since October 2021 and was detected at 520 µg/L in October 2024. The elevated levels of VOCs at this well and its associated area are the focus of the E-Redox® treatment which will begin in early 2025.

Monitoring Well B-10A(1) is located on the north side of the former Neutralization Pond. TCE concentrations at this well have decreased from 64,000 µg/L in November 2017 to less than the detection limit of 400 µg/L in both March and October of 2024. As TCE decreased, cis-1,2-DCE concentration initially increased to 70,000 µg/L before decreasing to 30,000 µg/L in October 2021, where it remained through October 2022. In March 2024, cis-1,2-DCE decreased to the lowest level detected at this well, at 5,000 µg/L, and increased slightly then in October 2024 to 5,900 µg/L. Also, an increase in the concentrations of VC, ethene, and ethane have been observed, indicating that reductive dechlorination is occurring and the injections continue to aid in decreasing parent COC concentrations as shown in Appendix I, Graph 6 S3.

Monitoring Well DW-9 is located on the north side of the former Neutralization Pond. TCE, cis-1,2-DCE, and VC concentrations initially decreased and then increased during the Bioremediation Program as shown in Appendix I, Graph 6 S4. After each of the 2017 and 2019 injections, VOC concentrations decreased; however, the highest levels observed at this well were in October 2021. During the November 2021 injections, this well was proposed to be injected into; however, no amendments were added due to high injection pressures observed at this well. Despite not receiving amendments, the groundwater at this well has been influenced by the 2021 injections.

The TCE levels in this well decreased from 4,800 µg/L in October 2021 to 4.2 µg/L in March 2024, below the groundwater protection standard (GPS) for the first time; however, in October 2024 the concentration increased to 19 µg/L . Cis-1,2-DCE concentrations also decreased, from 5,800 µg/L in October 2021 to below the below the GPS of 5 µg/L in March of 2022 through March 2024, and in October 2024, levels increased to 240 µg/L. VC concentrations have also decreased from 1,300 µg/L in October 2021 to below the GPS of 2 µg/L in October 2022, until an increase to 85 µg/L was observed in October 2024.

Monitoring Well DW-10 is located on the eastern downgradient edge of the source area and is within the focused treatment area of the 2019 and the 2021 injections. VOCs increased in this well in March 2022, decreased slightly in 2023, and experienced another slight increase in 2024, as shown in Table 8 and Appendix I, Graph 6 S5. TCE concentrations have decreased from 36,000 µg/L in January 2018 to an estimated 180 J µg/L in October 2024. Methylene chloride has fluctuated since 2018 from as high as 200,000 µg/L in May of 2020 to below the detection limit of 10 µg/L for the first time in October 2021. However, methylene chloride levels then increased in March 2022 to 160,000 µg/L and then decreased to 28,000 µg/L in October 2022, 9,000 µg/L in October 2023, and most recently 990 µg/L in October 2024.

In December 2024, overburden monitoring wells 87-04(0), 87-13(0), 87-15(0), 87-17(0), and B-8(0) were sampled for VOCs as part of the E-Redox® supplemental treatment to evaluate possible vapor intrusion in the source area (Table 7). During this sampling event, all VOCs at 87-13(0), 87-15(0), and B-8(0) were below their respective detection limits. At monitoring well 87-04(0), only TCE was observed at 7.4 ug/L. The results for 87-17(0) are discussed below.

7.1.2 Mid-Plume Area

The Mid-Plume Area is located near the On-Site Treatment System building. TCE concentrations have decreased as shown on Figure 8.

Monitoring Well 17-01(1) is located downgradient of the former Neutralization Pond and on the leading edge of the TCE and methylene chloride plumes. TCE concentrations increase from 3.9 µg/L in 2018 to 86,000 µg/L in October 2021. Since 2021, TCE levels have continued to fluctuate with an overall increase as shown in Appendix I, Graph 6 MF1. In 2024 TCE concentrations were detected at 92,000 µg/L in March 2024 and 70,000 in October 2024. The same pattern has been observed for cis-1,2-DCE and were detected at 45,000 µg/L and 30,000 µg/L in March and October 2024, respectively.

Monitoring Well B-14(1) is located west of 17-01(1) and on the south side of the former Neutralization Pond. TCE concentrations at this well continue to be below the groundwater

protection standard of 5 µg/L. After the November 2021 injections, both cis-1,2-DCE and VC increased and then decrease to the lowest levels observed at this well in October 2023 as shown in Appendix I, Graph 6 MF2. Levels of cis-1,2-DCE have recently decreased from 140 µg/L in March 2022 to 23 µg/L in October 2023 and then increased to 62 µg/L in October 2024. VC also increased from 140 µg/L in October 2021 to 310 µg/L in March and October 2022 and then decreased to 99 µg/L in October 2023 and then to 94 µg/L in October 2024. Future sampling will determine if these decreases are sustained.

Monitoring Well DW-11(1) is located on the south side of the former Neutralization Pond and source area. After the 2019 injections, TCE, cis-1,2-DCE, and VC decreased through 2020, and in 2021, each compound increased. After the November 2021 injection, all the COCs decreased again as shown in Appendix I, Graph 6 MF3. TCE decreased from 470 µg/L in October 2021 to 4.0 µg/L in March 2022, below the GPS and then increased to 4.7 µg/L in October 2022 and to 5.6 µg/L in October 2023 to 5.7 µg/L in October 2024. Cis-1,2-DCE decreased from 320 µg/L in 2021 to 13 µg/L in 2022, before increasing to 27 µg/L in 2023 then reducing to 21 µg/L in October 2024. VC decreased from 540 µg/L in October 2021 to 50 µg/L in October 2022, before increasing to 65 µg/L in October 2023 reducing to 41 µg/L in October 2024. Continued degradation from the 2019 and the 2021 injections are expected to continue at this well.

Monitoring Well 87-17(1) is located on the western edge of the contaminant plume and of the former Neutralization Pond, outside of the source area. In 2024, TCE continues to be below the GPS of 5 µg/L. Concentrations of cis-1,2-DCE have remained stable, ranging from 80 to 140 between March 2021 and October 2024, as shown in Appendix I, Graph 6 MF4. A decrease in VC has been observed from at 340 µg/L in October 2021 to 150 µg/L in October 2024.

In December 2024 overburden monitoring well 87-17(0) was sampled as part of the E-Redox® supplemental treatment to evaluate vapor intrusion. The hydraulic gradient between 87-17(0) and 87-17(1), is slightly upward and TCE, cis-1,2-DCE, and VC concentrations were higher in the overburden well, at 830 µg/L, 2,500 µg/L), 180 µg/L, respectively. This is the first time in many years that 87-17(0) has been sampled and the 2025 sampling events will be used to determine if these levels are consistent.

Monitoring Well 89-15(1) is located on the eastern downgradient edge; however, it is outside of the primary high concentration zone as shown on Figure 8. At this well, COC concentrations have fluctuated through 2021 and then began to decrease after the November 2021 Injections, as shown in Appendix I, Graph 6 MF5. In October 2024 TCE, cis-1,2-DCE and VC decreased to the lowest levels observed at this well since 2018. For example, TCE has decreased from as high as 8,400 µg/L in March 2019 to below the detection limit of 8.0 µg/L in October 2024, as shown in Table 8. The concentrations suggest that COCs mass has been reduced upgradient in the treatment zone and lower concentrations of COCs have migrated into this area. The 2019 and 2021 focused

treatments and the upcoming E-Redox treatment are expected to continue in aiding to reduce concentrations in this area.

Monitoring Well 87-10(1) is located at the southern edge of the plume. TCE has reduced significantly since the highest concentrations measured in May 2017, at 890 µg/L to 5.7 µg/L in October 2024. Cis-1,2-DCE has had the highest levels of contamination at this well, however after the 2019 and 2021 injections, levels have decrease from as high as 5,000 µg/L in August 2020, to 180 µg/L in October 2024. VC concentrations increased to a high of 940 µg/L in October 2022 before decreasing to 240 µg/L in October 2024. The trends at this well are shown in Appendix I, Graph 6 MF6.

Monitoring Well 89-12(1) is located downgradient of Monitoring Well 87-10(1). TCE decreased from 490 µg/L in May 2017, to below the GPS of 5.0 µg/L in 2020. Since then, TCE has been fluctuating near the GPS and in October 2024 the concentration was below the detection limit of 40 µg/L. During the 2024 sampling events, cis-1,2-DCE and VC decreased from 2022 concentrations, although a slight increase from 2023. The fluctuations of these compounds suggest that reductive dechlorination has been occurring upgradient and have migrated into this area. Concentrations of cis-1,2-DCE have decreased from 4,300 µg/L to 390 µg/L between March 2017 and October 2024. Most recently, VC has decreased from 2,000 µg/L in October 2022 to 980 µg/L in October 2023. The trends at this well are shown in Appendix I, Graph 6 MF7. The spatial distribution of these changes in the VC concentrations can be seen on Figure 10.

In December 2024 overburden monitoring wells 87-15(0) and B-8(0) were also sampled as part of the E-Redox® supplemental treatment. During this sampling event, all the VOCs at 87-15(0) and B-8(0) were below their respective detection limits.

7.1.3 Downgradient – On Site

Monitoring and extraction well EW-8 is on the downgradient edge of the on-site plume. TCE concentrations have fluctuated since 2013 from 5.5 µg/L in October 2016 to 240 µg/L in September 2019 to 94 µg/L J in October 2022. In October 2023 and 2024, the TCE concentration was below the detection limit of 200 µg/L. Levels of cis-1,2-DCE have increased from 74 µg/L in 2017 to 14,000 µg/L in October 2024, as shown in Appendix I, Graph6 DON 1 and Figure 9. VC concentrations have fluctuated since 2017 from 22 µg/L in November 2017 to 3,700 µg/L in October 2023 to 2,900 µg/L in October 2024. The increase in degradation daughter products cis-1,2-DCE and VC without elevated levels of TCE indicates that reductive dechlorination is occurring upgradient and migrating into this area.

Monitoring and extraction well EW-13 is located on the western downgradient edge of the plume. TCE concentrations have been below the detection limit of 8 µg/L since September 2019. Cis-1,2,-DCE concentrations decreased from 490 µg/L in October 2020 to 85 µg/L in October 2022 and then increased to 110 µg/L in October 2024. VC concentrations have been increasing since October 2018, reaching as high as 590 µg/L in October 2021, as shown on Graph 6 DON 2 in Appendix I. In October 2022, VC concentrations decreased to 380 µg/L and then increased to 400 in October 20203 to 420 µg/L in October 2024.

Monitoring Well 87-22(1) is located on the far eastern edge of the on-site plume. Since 2017, cis-1,2-DCE and VC concentrations have been increasing, and the highest levels were observed in August 2020 as shown on Graph 6 DON 3 in Appendix I. Since August 2020, all COC concentrations have decreased through March 2022. However, an increase in both cis-1,2-DCE and VC was observed in October 2022 before decreasing to the lowest concentrations detected at this site in October 2023. For example, cis-1,2-DCE levels have reduced from 4,600 µg/L in August 2021 to 1,400 µg/L in March 2022, increased to 2,800 µg/L in October 2022, and then decreased to 4.5 µg/L in October 2023, which is below the GPS of 5 µg/L. Concentrations of cis-1,2-DCE spiked in October 2024, reaching 1,100 µg/L.

7.1.4 Downgradient – Off Site

Samples were collected from the Off-Site System extraction wells (EW-2, EW-3, EW-4, EW-5, and EW-6) and monitoring Well 93-03(1) on April 29th and 30th, 2024, and assessed the ability of the three northernmost extraction wells (EW-2, EW-3, and EW-4) to contain the prevailing southerly migration of impacted groundwater. These wells continue to be successful in controlling contaminant migration as shown on Figures 3 and 4.

Monitoring Well 93-03(1) is located downgradient, past the Off-Site system, and is used to ensure groundwater contamination is not migrating past the extraction wells. No VOCs have been observed above their respective detection limits as seen in Table 8. These data indicate that the off-site extraction system is maintaining hydraulic control and preventing contaminants from migrating further downgradient, as designed.

Monitoring Well 87-20(1) is located closest to the on-site area, and cis-1,2-DCE concentrations have decreased from 6,200 µg/L in 2017 to 14 µg/L in 2024. The parent compound, TCE, has fluctuated below 40 µg/L since 2017 and was observed at 4.9 µg/L in October 2024. VC increased to the highest level in March 2021 at 2,300 µg/L and then decreased to 4 µg/L in October 2024 as shown in Appendix I, Graph 6 DOFF 1 and Figure 10.

Downgradient of Monitoring Well 87-20(1), COCs at Monitoring Wells and Extraction Wells 87-21(1), EW-2, EW-3, EW-4, EW-5, and EW-6 have fluctuated without any significant changes

and are being captured by the groundwater extraction system as shown in Appendix I, Graph 6 DOFF 2, DOFF3, DOFF4, DOFF5, DOFF6 and DOFF9, respectively.

7.2 Geochemical Parameters

The reduction of the site contaminants is favorable in reduced groundwater conditions. During anaerobic reductive dechlorination, parameters are evaluated to determine if favorable conditions exist and are expected to continue. The respiratory substrates are utilized in the sequential order: oxygen, iron, nitrate, and sulfate. A common observation is that TCE is reductively dechlorinated under relatively mild reducing conditions (e.g., sulfate-reducing conditions), whereas reductive dechlorination of cis-1,2-DCE and VC requires increasingly stronger reducing conditions (e.g., methanogenic conditions). The addition of the carbon source aids in quickly utilizing oxygen, iron, nitrate, and sulfate to create reducing conditions in the treatment area groundwater.

In 2024, field parameters were collected during each sampling event, and select biological parameters are presented in Tables 7 and 8. The data for the geochemical parameters for DO, pH, ORP, and TOC have been graphed and are provided in Appendix I, Graphs 1, 2, 3, and 4 respectively.

7.2.1 Source Area

The Source Area is closest to the former Neutralization Pond and the supplemental injections have been focused on this area. Direct effects to the groundwater geochemistry are expected to be observed. Each of the injection events have applied a carbon source to provide a food source and a reduced hydrogen source for reductive dechlorination. During the 2024 sampling events, TOC levels ranged from 2.1 milligrams per liter (mg/L) to 4,380 mg/L and averaged 975.1 mg/L, which indicated that the November 2021 source area injections have influenced wells in the target area as shown on Appendix I, Graph 4. The data suggest that sufficient TOC is present in the groundwater to enhance reductive dechlorination in most locations.

DO levels decreased significantly in 2018 after the bioremediation application to levels near or below 0.5 mg/L, which is favorable for reductive dechlorination (USEPA, 1998). In March 2024, two wells had elevated levels in error and were not used to evaluate the area, B-10A(1) at 51.87 mg/L and DW-9 at 195.81 mg/L. In 2024, DO levels ranged from -0.95 mg/L at DW-10 to 2.59 mg/L at DW-9. The average DO levels were 0.08 mg/L.

ORP is also used to evaluate reducing conditions in groundwater. Reductive dechlorination requires ORP levels below 50 millivolts (mV) (USEPA, 1998). During the 2019 and 2021 injections, mZVI was injected to aid in reducing groundwater to reductive state for abiotic degradation and to aid the biological degradation. After the bioremediation application, ORP levels decreased as expected and is shown on Appendix I, Graph 3. In 2024, levels ranged from –473.2 mV at the injection well 87-04(1) to 94.9 mV at DW-9 with an average of -270.9 mV, which

indicates that the groundwater is primarily reducing and favorable for reductive dechlorination and ISCR.

After oxygen, iron is the next respiratory substrate used by microbes, and during this process, iron is reduced to soluble ferrous iron. After the bioremediation application, ferrous iron was evaluated and increases were observed in most wells, indicating that iron-reducing conditions exist in the groundwater. Once increases in ferrous iron are observed due to reducing conditions, concentrations do not continue to increase. Therefore, per the September 12, 2018, meeting and as recommended in the 2018 Bioremediation Status Report, ferrous iron was removed from the bioremediation sampling program.

Sulfate levels at the site have fluctuated during the bioremediation treatment. In 2024, sulfate levels in the Source Area ranged from 6.6 mg/L at 87-13(1) in the source area to 594 mg/L at 87-04(1). Although the sulfate levels may inhibit reductive dechlorination, the presence of ethene indicates that these reactions are occurring and reducing COC concentrations. Also, the injection of S-MicroZVI™ may increase the sulfate concentrations in the groundwater; however, the reduced conditions created by the ferrous iron is expected to aid in keeping the sulfide in the reduced state.

The pH levels in 2024 at the Source Area averaged 7.36 standard units which is within an optimal range for microbial activity as shown on Graph 2 in Appendix I.

7.2.2 Mid-Plume Area

During the 2017 Bioremediation Program, amendments were injected into the groundwater in this area and changes in the geochemistry have been observed. During the 2024 sampling events, TOC levels ranged from less than the detection limit of 1.0 mg/L to 675 mg/L, with an average of 280.08 mg/L. The elevated level of 675 mg/L was observed at 89-15(1), which is located upgradient and may be influenced by the Source Area injections. The rebounding TOC levels in this area in comparison to the prior year indicate that the subsurface geochemistry is returning to its pre-injection state.

During the 2024 sampling events, DO levels ranged from 0.08 at 89-15(1) to 5.28 mg/L at DW-12. One well, 87-10(1) has a high level of 28.25 mg/L due to instrument error and was not used in the evaluation. The average DO level in 2024 is 1.10 which suggests that the groundwater in the Mid-Plume Area is slightly aerobic, which is not currently favorable for reductive dechlorination and ISCR.

In 2024, ORP levels ranged from -475.9 mV at 17-01(1) to -7.6 mV at DW-12 with an average of -316.55 mV, which indicates that the groundwater is reducing and favorable for reductive dechlorination and ISCR reactions.

Sulfate levels in the Mid-Plume Area have fluctuated during the bioremediation treatment. In 2024, sulfate levels in the Mid-Plume Area ranged from 6.8 mg/L J at 89-15(1) to 1,740 mg/L at 17-01(1). Although the sulfate levels may inhibit reductive dechlorination, the presence of ethene indicates that these reactions are occurring and reducing COC concentrations as shown on Figure 11.

The pH levels in 2024 in the Mid-Plume Area averaged 7.07 standard units which is within an optimal range for microbial activity as shown on Graph 2 in Appendix I.

7.2.3 Downgradient On-Site Area

The downgradient On-Site wells are located at the southern edge of the site and the leading edge of the on-site plume as shown on Figure 8. The Bioremediation Program injections have not provided carbon in this area. Therefore, TOC and sulfate were not analyzed during the 2024 sampling events.

In 2024, DO levels ranged between -0.82 mg/L and 1.04 mg/L, with an average of 0.43 mg/L, which suggests that the majority of groundwater in the downgradient On-Site area is anaerobic, with few outliers, which is favorable for reductive dechlorination.

In 2024, ORP levels ranged from -393.7 mV to -167 mV. The ORP levels correlate with the DO levels and indicate that the groundwater is reducing and favorable for reductive dechlorination.

The pH levels in 2024 in the downgradient On-Site wells averaged 7.00 standard units which is within an optimal range for microbial activity as shown on Graph 2 in Appendix I.

7.3 Contaminant Mass

To evaluate the conversion of VOC mass to daughter products, including ethene and ethane, concentrations from each well have been converted to moles and graphed. The graphs are provided in Appendix J. As TCE decreases and daughter products are created, the total VOC mass may stay the same; however, degradation is occurring.

In the center of the 2019 and 2021 supplemental injection treatments near the former Neutralization Pond, at monitoring well 87-13(1), the rate of mass increasing into the dissolved groundwater phase is being reduced. The data suggest that the supplemental injections are reducing the mass of VOCs and following the October 2021 groundwater decreased more than 95 percent as shown in Appendix J.

Monitoring Well DW-10 is also in the influence of the supplemental injections. Prior to the injections, TCE mass was transformed to daughter products; however, after the 2021 injections, the mass consists primarily of the ethane and ethene, indicating that the mass conversion to daughter

products is occurring. While ethane and ethene were not measured in 2024, the continued decrease in VOCs mass supports this trend (Appendix J).

At B-10A(1), which is located upgradient of the former Neutralization Pond and in the influence of the supplemental injections, the majority of the VOC mass consisted of TCE in November 2017 and has been decreasing over time. In 2024, most of the TCE has been converted to cis-1,2-DCE, VC, and ethene.

In well 87-22 (1), near the leading edge of the plume, the majority of the mass consisted of VC and in October 2024 the mass of each COC has recovered a significant amount to allow the data to be viewed on the corresponding graph in Appendix J. The ratio of contaminants did not change in 2021 and 2022, however, the mass of contaminants decreased significantly in 2023, with an obvious reversal of the trend in 2024. VC makes up the vast majority of the COCs displayed on the graph in 2024 in Appendix J.

Also, to evaluate the mass being removed from the groundwater, the TCE, cis-1,2-DCE, VC, ethene, and methylene chloride plume areas were evaluated. These changes are quantified below and can been seen on Figures 8, 9, 10, 11, and 12.

Since the Bioremediation Program began in 2017, the TCE plume has greatly decreased as shown by a decrease in each of the isoconcentration areas as shown below and on Figure 8. An overall plume decrease, as shown by the 10 µg/L contour, has been observed by a reduction of 22.9% Most notably is the reductions in the source area of 82.5% of the 10,000 µg/L contour and a 76.7% of the 100,000 µg/L contour due to recent injections. The 2024 sampling events have shown that the 2021 injection event in the source area has significantly decreased TCE concentrations with a 66.9% decrease in area between 2017 and 2024. The change in square feet of the 100,000 µg/L contour between 2023 and 2024 has decreased from 3,325 to 2,827 square feet (i.e., 15 percent in a single year).

TCE			
Concentration (µg/L)	**Pre-Injection Area (Square Feet)**	**October 2024 Area (Square Feet)**	**Percent Change**
10	713,810	550,385	22.9%
100	191,132	109,680	42.6%
1,000	111,687	60,583	45.8%
10,000	70,288	12,315	82.5%
100,000	12,325	2,872	76.7%

	Isoconcentration Area Decreased
	Isoconcentration Area Increased

Since 2017 the cis-1,2-DCE concentration footprints have decreased for the 100 µg/L and 1,000 µg/L isoconcentrations. For the first time, in 2024, concentrations over 100,000 µg/L have been detected indicating that reductive dechlorination is occurring as shown on Figure 9. On the downgradient edges of the plume, the contamination is expected to be contained to Zone 1 groundwater. In Well 87-20(1), cis-1,2-DCE was detected at 14 µg/L and at the paired overburden well (87-20[0]), concentrations were below the detection limit of 1 µg/L. The data from the two paired wells indicates that cis-1,2-DCE is not moving up in the aquifer, which is limiting the potential for soil vapor migration from the Zone 1 groundwater into soil.

cis-1,2,-DCE			
Concentration (µg/L)	**Pre-Injection Area (Square Feet)**	**October 2024 Area (Square Feet)**	**Percent Change**
10	1,300,567	1,378,262	5.9%
100	1,081,035	722,876	33.1%
1,000	613,722	333,498	45.7%
10,000	37,160	59,822	60.9%
100,000	0	3,758	>100%

	Isoconcentration Area Decreased
	Isoconcentration Area Increased

The overall VC isoconcentration footprint (1 µg/L) has increased by 20.8% in 2024; however, the 1,000 µg/L area has quintupled since pre-injection (Figure 10). The increase in the 1,000 µg/L plume area indicates that reductive dechlorination is occurring after the bioremediation groundwater treatment as expected. The shape of the 1,000 µg/L VC plume was observed to shift to the east after the 2017 injection event, towards the southern downgradient Well 87-22(1). In 2023, a decrease in VC concentrations was observed at this well, thus reducing the size of the 1,000 µg/L plume. However, in 2024, the VC concentration at this well increased to 2,100 µg/L and the plume moved east again. A 10,000 µg/L isoconcentration area over the northern portion of the former Neutralization Pond was added in 2022 and was present in 2023, as shown on Figure 10. In 2024 the VC concentrations in this area have reduced below 10,000 µg/L and the contour has been removed. The increase in ethene levels (discussed below) at the site indicates that VC is being reduced to the final degradation product, ethene. Also, the VC concentrations at the downgradient edges of the plume are expected to be contained to Zone 1 groundwater. VC concentrations in the Overburden well 87-20(0) remained below the detection limit of 1 µg/L, indicating limited potential for soil vapor migration from the Zone 1 groundwater into soil. As of October 2024, VC isoconcentration areas have changed as follows (Figure 10):

VC			
Concentration (µg/L)	**Pre-Injection Area (Square Feet)**	**October 2024 Area (Square Feet)**	**Percent Change**
1	1,234,394	1,491,734	20.8%
10	1,125,368	1,237,966	10%
100	1,018,847	879,301	13.7%
1,000	88,894	458,654	416%

	Isoconcentration Area Decreased
	Isoconcentration Area Increased

The ethene 100 µg/L isoconcentration area expanded by nearly two orders of magnitude since the baseline sampling event. Since 2023, the 1, 10, 100 and 1,000 µg/L contours remained consistent, as shown on Figure 11. Ethene concentrations above 1,000 µg/L were measured for the first time in 2022 and continue to be measured in 2024; however, the isoconcentration area has decreased from 49,953 square feet to 49,757 square feet. The continued presence of ethene provides evidence that complete reductive dechlorination is occurring and the chlorinated ethenes are decreasing to the non-toxic end product. As of October 2024, the ethene isoconcentration areas have changed as follows:

Ethene			
Concentration (µg/L)	**Pre-Injection Area (Square Feet)**	**October 2024 Area (Square Feet)**	**Percent Change**
1	867,942	1,523,191	75.5%
10	658,814	146,232	77.8%
100	10,230	643,626	6191%
1,000	0	49,757	>100%

	Isoconcentration Area Decreased
	Isoconcentration Area Increased

As of October 2024, the methylene chloride areas have increased since the Pre-Injection Area for the 10, 100, 10,000, and 100,000 µg/L isoconcentration areas as shown on Figure 12. Over time, only the 1,000 µg/L contour has decreased. The decrease in methylene chloride concentrations downgradient is expected to continue in the source area as concentrations of COCs continue to decrease near the Neutralization Pond, methylene chloride levels will decrease downgradient.

Methylene Chloride			
Concentration (µg/L)	**Pre-Injection Area (Square Feet)**	**October 2024 Area (Square Feet)**	**Percent Change**
10	219,238	560,244	155.5%
100	167,677	213,638	27.4%
1,000	129,695	100,415	22.6%
10,000	39,641	57,646	45.4%
100,000	9,596	22,900	138.6%

	Isoconcentration Area Decreased
	Isoconcentration Area Increased

8.0 Summary and Recommendations

8.1 Hydraulic Monitoring Data

Water level measurements were obtained from all monitoring wells and extraction wells in April 2024 and October 2024; measurements are summarized in Table 4. A review of this data indicates that the Off-Site groundwater recovery system is performing as designed and continues to exhibit control over the migration of impacted groundwater.

8.2 Laboratory Data

APTIM personnel reviewed the 2024 groundwater monitoring data by comparing the detected analyte concentrations with available historical data. The results of the March and October 2024 monitoring events show that TCE continues to decrease throughout the site. Concentrations of daughter product cis-1,2-DCE have fluctuated and increases in VC and ethene have been observed. In areas where the total mass has not been reduced, the molar conversion has shown that mass is being converted to the daughter products.

8.3 Off-Site and On-Site System Performance

The Off-Site System continues to maintain control of the dissolved phase plume. The gradient and size of the capture zone is consistent with the conditions observed during previous monitoring events. The performance of the Off-Site System is acceptable based upon comparison with historic operational data.

Operation of the On-Site Groundwater Treatment System was suspended with the consent of the NYSDEC on October 30, 2017 to implement the Bioremediation Pilot Study. The treatment plant remained dormant throughout 2024. Existing groundwater elevations indicate that the aquifers are maintaining a gradient into Zone 1 from both the overburden and Zone 3 with the treatment system offline.

8.4 Bioremediation Pilot Study

Downward trends in the VOC concentrations have been observed in most of the Bioremediation Program monitoring wells since the baseline sampling event in November 2017. To aid in decreasing the time to reduce elevated levels of VOCs near the former Neutralization Pond, additional injections were conducted in October 2019 and October/November 2021. As the primary contaminant TCE is biologically degraded, the sequential increase and then decrease of daughter products cis-1,2-DCE and VC have been observed. Once VC is created, this compound is degraded to the final degradation products, ethane and ethene, which have also been observed, indicating that reductive dechlorination is occurring. The analytical results obtained during 2024, continue to demonstrate that these processes are occurring; however, a significant amount of mass

remains near the former Neutralization Pond. The geochemical parameters indicate that ISB and ISCR injections have created the groundwater conditions that are favorable for the biological degradation of site contaminants. The 2019 and 2021 injections which have targeted the areas with the highest concentrations are reducing COCs at higher rates and are preventing the migration of the elevated levels downgradient.

Although the bioremediation injections are reducing TCE concentration, and the plume area is decreasing, the highest contaminant concentrations are observed near the former Neutralization Pond and is the primary focus of a supplemental treatment pilot test using E-Redox®. To reduce the elevated concentrations that continue to contribute to downgradient contamination, the E-Redox® treatment system is being installed near the former Neutralization Pond

Groundwater monitoring for the Bioremediation Program will be continued into 2025 with sampling events scheduled for March and October. The monitoring in 2025 will aid in determining the effectiveness of the supplemental injections and treatment, as part of the Bioremediation Program in an effort to formally cease operations of the On-Site Groundwater Treatment System. Some of the wells were sampled extensively and have historically been below the GPS or do not provide data required to evaluate the Bioremediation Program. The Bioremediation Program sampling network was reduced in 2023 from 23 wells to 12 wells. It recommended to continue the program with the 12 monitoring wells as shown in Table 2 in 2025.

8.5 Recommendations for Future Groundwater Monitoring and System Operations

In 2025, the performance of the Off-Site System will continue to be monitored. Minor adjustments will be made to maintain or increase the system's efficiency and productivity and to ensure that it continues to operate at optimal performance levels. Extraction Well EW-5 was taken offline on September 5, 2013; data obtained on a semiannual basis indicate that this configuration has been successful in inducing the edge of the dissolved phase plume to retract. Additionally, since the shutdown of EW-5, no VOCs have been detected above their groundwater quality standard in Monitoring Well 93-03(1), located downgradient of the extraction system. Therefore, Textron recommends that Extraction Well EW-5 continue to remain offline and to change the frequency of monitoring the Off-Site System efficiency to an annual basis to coincide with the annual sampling events.

Operation of the On-Site Groundwater Treatment System was suspended with the consent of the NYSDEC on October 30, 2017, in support of the Bioremediation Program and remained dormant during the 2018-2024 calendar years. It is recommended that the On-Site Groundwater Treatment System remain dormant to allow the Bioremediation Program to progress.

9.0 References

Aptim Engineering New York, P.C. (APTIM), 2017. *Bioremediation Program Work Plan, Former Textron Inc., Wheatfield, New York, Facility*. August.

APTIM, 2019. *Bioremediation Program One Year Report – December 2018, Former Textron Inc., Wheatfield, New York, Facility*. February, revised April 2019.

Aptim Engineering New York, P.C. (APTIM), 2019b. *Revised Bioremediation Program Work Plan Supplemental Injection, Former Textron Inc., Wheatfield, New York, Facility*. August.

Aptim Engineering New York, P.C. (APTIM), *Bioremediation Program Work Plan Supplemental Injection 2021, Former Textron Inc., Wheatfield, New York, Facility*. September 2021.

Golder Associates Inc., 1991. *RCRA Facility Investigation, Neutralization Pond, Bell Aerospace Textron, Wheatfield Plant, Volumes I and II*. June.

Tables

Table 1
Annual Groundwater Monitoring - On-Site and Off-Site
Effectiveness Monitoring Programs
Former Bell Aerospace Textron Inc.
Wheatfield, New York

WELL NUMBER	FREQUENCY		ANALYTICAL METHOD
	ANNUAL (A)	ANNUAL (B)	
OVERBURDEN MONITORING WELLS			
87-10(0)	X		8260
87-14(0)	X	X	8260
87-20(0)	X	X	8260
89-14(0)	X		8260
B-8	X		8260
TOTAL OVERBURDEN SAMPLES PER EVENT	**5**	**2**	
ZONE 1 MONITORING WELLS			
86-23(B)	X		8260
87-01(1)	X		8260
87-02(1)	X		8260
87-08(1)	X		8260
87-17(1)	X	X	8260
87-19(1)	X	X	8260
87-20(1)	X	X	8260
87-21(1)	X	X	8260
87-22(1)	X	X	8260
89-04(1)	X		8260
89-12(1)	X	X	8260
89-14(1)	X	X	8260
89-15(1)	X	X	8260
93-03(1)	X	X	8260
B-14(1)	X	X	8260
TOTAL ZONE 1 SAMPLES PER EVENT	**15**	**10**	
ZONE 3 MONITORING WELLS			
87-02(3)	X		8260
87-13(3)	X		8260
TOTAL ZONE 3 SAMPLES PER EVENT	**2**	**0**	
OFF-SITE EXTRACTION WELLS			
EW-2	X	X	8260
EW-3	X	X	8260
EW-4	X	X	8260
EW-5	X	X	8260
EW-6	X	X	8260
TOTAL OFF-SITE EXTRACTION WELL SAMPLES PER EVENT	**5**	**5**	
ON-SITE EXTRACTION WELLS			
EW-7	X	X	8260
EW-8	X	X	8260
DW-9	X	X	8260
DW-10	X	X	8260
DW-11	X	X	8260
DW-12	X	X	8260
EW-13	X	X	8260
TOTAL ON-SITE EXTRACTION WELL SAMPLES PER EVENT	**7**	**7**	
GRAND TOTAL SAMPLES PER EVENT	**34**	**24**	

(A) Annual sampling to be conducted in October of even-numbered years.
(B) Annual sampling to be conducted in October of odd-numbered years.

Table 2
Bioremediation Program Groundwater Monitoring
Former Bell Aerospace Textron
Wheatfield, New York

Sample ID	Bioremediation Program VOCs + Biologics
17-01(1)	X
17-04(1)	X
19-01(1)	X
87-04(1)	X
87-10(1)	X
87-13(1)	X
87-14(1)	X
87-16(1)	X
89-10(1)	X
89-15(1)	X
B-10A(1)	X
DW-9	X

Biological Parameters	USEPA Method
VOCs	8260
Total Organic Carbon	5310C
Ethene, Ethane, Methane	V8015 or RSK 175
Sulfate	9056A

Field Parameters	Events
Oxidation-Reduction Potential	Field Measurement via YSI Model 556 handheld screening instrument or equivalent
Dissolved Oxygen	
Specific Conductivity	
Temperature	
pH	
Turbidity	

Low flow sampling protocols to be followed during groundwater sampling for the Bioremediation Program.

Labels will be pre-printed BUT the day code will need to be filled in.

Requirements for Bioremediation Program Samples 8260
CHLOROMETHANE
VINYL CHLORIDE
CHLOROETHANE
BROMOMETHANE
1 1-DICHLOROETHENE
ACETONE
CARBON DISULFIDE
METHYLENE CHLORIDE
TRANS-1 2-DICHLOROETHENE
1 1-DICHLOROETHANE
CIS-1 2-DICHLOROETHENE
METHYL ETHYL KETONE
CHLOROFORM
1 1 1-TRICHLOROETHANE
CARBON TETRACHLORIDE
BENZENE
1 2-DICHLOROETHANE
TRICHLOROETHENE
1 2-DICHLOROPROPANE
BROMODICHLOROMETHANE
CIS-1 3-DICHLOROPROPENE
MIBK
TOLUENE
TRANS-1 3-DICHLOROPROPENE
1 1 2-TRICHLOROETHANE
TETRACHLOROETHENE
2-HEXANONE
DIBROMOCHLOROMETHANE
CHLOROBENZENE
ETHYLBENZENE
P-XYLENE/M-XYLENE
O-XYLENE
STYRENE
BROMOFORM
1 1 2 2-TETRACHLOROETHANE

Table 3
Well Maintenance Activities
2024 Annual Summary
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Well ID	Date Inspected	Air Quality (vaults only)	Well Aprons	Protective Casings	Locks	Comments
17-01(1)	24-Oct-24	NA	A	A	In Place	
17-04(1)	24-Oct-24	NA	A	A	In Place	
19-01(1)	25-Oct-24	NA	A	A	In Place	Slow recharge
86-23(B)	22-Oct-24	NA	A	A	In Place	Protective railing is damaged
87-01(1)	22-Oct-24	NA	A	A	In Place	
87-02(1)	23-Oct-24	NA	A	A	In Place	
87-02(3)	23-Oct-24	NA	A	A	In Place	
87-04(1)	24-Oct-24	NA	A	A	In Place	
87-08(1)	24-Oct-24	NA	A	A	In Place	
87-10(0)	22-Oct-24	NA	A	A	In Place	
87-10(1)	22-Oct-24	NA	A	A	In Place	
87-13(1)	25-Oct-24	NA	A	A	In Place	
87-13(3)	25-Oct-24	NA	A	A	In Place	
87-14(0)	23-Oct-24	NA	A	A	Inoperable	
87-14(1)	25-Oct-24	NA	A	A	Inoperable	Slow recharge
87-16(1)	25-Oct-24	NA	A	A	Inoperable	
87-17(1)	24-Oct-24	NA	A	A	Inoperable	
87-19(1)	24-Oct-24	NA	A	A	In Place	Protective casing needs repaired
87-20(0)	23-Oct-24	NA	A	A	In Place	
87-20(1)	23-Oct-24	NA	A	A	In Place	
87-21(1)	23-Oct-24	NA	A	A	In Place	
87-22(1)	24-Oct-24	NA	A	A	In Place	
89-04(1)	23-Oct-24	NA	A	A	In Place	
89-10(1)	22-Oct-24	NA	A	A	In Place	
89-12(1)	22-Oct-24	NA	A	A	In Place	
89-14(0)	24-Oct-24	NA	A	A	Inoperable	Drying out
89-14(1)	24-Oct-24	NA	A	A	Inoperable	
89-15(1)	29-Oct-24	NA	A	A	In Place	
93-03(1)	22-Oct-24	NA	A	A	In Place	
B-8(0)	24-Oct-24	NA	A	A	In Place	
B-10A(1)	24-Oct-24	NA	A	A	In Place	
B-14(1)	24-Oct-24	NA	A	A	In Place	
DW-9	24-Oct-24	A	A	A	In Place	
DW-10	25-Oct-24	A	A	A	In Place	
DW-11	22-Oct-24	A	A	A	In Place	
DW-12	22-Oct-24	A	A	A	In Place	
EW-2	22-Oct-24	A	A	A	NA	
EW-3	22-Oct-24	A	A	A	NA	
EW-4	22-Oct-24	A	A	A	NA	
EW-5	22-Oct-24	A	A	A	NA	
EW-6	22-Oct-24	A	A	A	NA	
EW-7	23-Oct-24	NA	A	U	In Place	
EW-8	24-Oct-24	NA	A	A	In Place	
EW-13	23-Oct-24	NA	A	A	In Place	

Notes:

U - Unacceptable

A - Acceptable

NA - Not Applicable

Air quality only applies to vaulted wells

Table 4
Hydraulic Monitoring Data
2024 Annual Summary
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Well Name	Top of Riser Elevation (ft MSL)	April 29, 2024		October 21, 2024	
		Water Level (ft BTOR)	Water Level Elevation (ft MSL)	Water Level (ft BTOR)	Water Level Elevation (ft MSL)
87-01(0)	588.10	12.92	575.18	14.47	573.63
87-01(1)	587.99	16.98	571.01	17.82	570.17
87-02(1)	589.21	15.31	573.90	15.95	573.26
87-02(3)	588.63	12.31	576.32	13.23	575.40
87-04(0)	589.32	9.76	579.56	10.08	579.24
87-04(1)	589.08	12.99	576.09	13.92	575.16
87-04(3)	589.49	11.88	577.61	12.98	576.51
87-05(1)	589.37	13.15	576.22	13.81	575.56
87-05(3)	589.46	11.71	577.75	12.59	576.87
87-08(1)	589.48	12.86	576.62	13.69	575.79
87-10(0)	587.30	12.40	574.90	13.05	574.25
87-10(1)	587.52	15.76	571.76	16.68	570.84
87-12(1)	583.84	15.75	568.09	16.58	567.26
87-13(0)	589.77	8.47	581.30	9.45	580.32
87-13(1)	590.06	13.43	576.63	14.14	575.92
87-13(3)	589.91	12.04	577.87	12.88	577.03
87-14(0)	589.56	9.65	579.91	11.07	578.49
87-14(1)	589.06	11.92	577.14	15.41	573.65
87-14(3)	590.35	12.00	578.35	12.77	577.58
87-15(0)	590.70	10.43	580.27	12.54	578.16
87-15(1)	590.27	12.75	577.52	13.60	576.67
87-15(3)	589.87	11.47	578.40	12.24	577.63
87-16(3B)	590.51	12.32	578.19	13.16	577.35
87-17(0)	589.50	11.64	577.86	12.47	577.03
87-17(1)	589.62	11.58	578.04	12.41	577.21
87-18(0)	585.95	11.22	574.73	10.54	575.41
87-18(1)	586.02	18.15	567.87	18.88	567.14
87-19(1)	581.47	12.99	568.48	14.14	567.33
87-20(0)	578.77	7.40	571.37	6.83	571.94
87-20(1)	579.01	10.92	568.09	11.68	567.33
87-21(1)	577.33	9.48	567.85	10.15	567.18
87-22(1)	583.97	15.53	568.44	16.79	567.18

Table 4
Hydraulic Monitoring Data
2024 Annual Summary
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Well Name	Top of Riser Elevation (ft MSL)	April 29, 2024		October 21, 2024	
		Water Level (ft BTOR)	Water Level Elevation (ft MSL)	Water Level (ft BTOR)	Water Level Elevation (ft MSL)
89-04(1)	575.17	4.61	570.56	6.04	569.13
89-12(1)	586.62	15.07	571.55	16.01	570.61
89-14(0)	587.51	7.99	579.52	10.72	576.79
89-14(1)	587.59	12.20	575.39	13.26	574.33
89-15(1)	588.76	14.34	574.42	15.36	573.40
93-03(1)	572.30	9.71	562.59	10.50	561.80
96-01(1)	585.18	16.50	568.68	17.27	567.91
B-8(0)	590.26	6.92	583.34	11.03	579.23
B-14(1)	589.54	14.44	575.10	15.34	574.20
EW-2	568.15	8.10	560.05	8.68	559.47
EW-3	569.56	17.21	552.35	18.68	550.88
EW-4	570.07	6.59	563.48	25.53	544.54
EW-5	569.47	8.34	NM	9.32	560.15
EW-6	568.17	20.33	547.84	9.33	558.84
EW-7[1] (*)	586.18	17.93	568.25	18.77	567.41
EW-8 (**)	578.44	9.47	568.97	10.35	568.09
DW-9 (**)	581.30	9.57	571.73	10.46	570.84
DW-10 (**)	583.95	12.97	570.98	13.39	570.56
DW-11 (**)	583.05	10.93	572.12	11.91	571.14
DW-12[1] (*)	585.66	10.58	575.08	11.09	574.57
EW-13[1] (*)	583.15	14.76	568.39	15.60	567.55

Notes:

BTOR = Below top of riser (or measuring point).

MSL = Mean sea level.

(*) Water level elevation measured from top of vault.

(**) Water level elevation measured from top of vault grate.

[1] Top of riser elevation was changed following a re-surveying investigation.

Table 5
Summary of Vertical Hydraulic Gradients
April 2024 Hydraulic Monitoring Event
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Well Name	Top of Riser Elevation (ft MSL)	Water Level (ft BTOR)	Date Measured	Water Level Elevation (ft MSL)	Head Difference Zone 3 - Zone 1 (dH) (ft)	Thickness Zone 2 (dL) (ft)	Vertical Gradient (dH/dL)
87-02(1)	589.21	15.31	April 29, 2024	573.90	2.42	7.00	0.35
87-02(3)	588.63	12.31		576.32			
87-04(1)	589.08	12.99	April 29, 2024	576.09	1.52	7.00	0.22
87-04(3)	589.49	11.88		577.61			
87-05(1)	589.37	13.15	April 29, 2024	576.22	1.53	7.00	0.22
87-05(3)	589.46	11.71		577.75			
87-13(1)	590.06	13.43	April 29, 2024	576.63	1.24	7.00	0.18
87-13(3)	589.91	12.04		577.87			
87-14(1)	589.06	11.92	April 29, 2024	577.14	1.21	7.00	0.17
87-14(3)	590.35	12.00		578.35			
87-15(1)	590.27	12.75	April 29, 2024	577.52	0.88	7.00	0.13
87-15(3)	589.87	11.47		578.40			

Notes:

- Positive vertical gradients are upwards from Zone 3 to Zone 1.
- On-Site Groundwater Treatment System off line with NYSDEC consent at the time of this event.

Table 6
Summary of Vertical Hydraulic Gradients
October 2024 Hydraulic Monitoring Event
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Well Name	Top of Riser Elevation (ft MSL)	Water Level (ft BTOR)	Date Measured	Water Level Elevation (ft MSL)	Head Difference Zone 3 - Zone 1 (dH) (ft)	Thickness Zone 2 (dL) (ft)	Vertical Gradient (dH/dL)
87-02(1)	589.21	15.95	October 21,2024	573.26	2.14	7.00	0.31
87-02(3)	588.63	13.23		575.40			
87-04(1)	589.08	13.92	October 21,2024	574.40	1.82	7.00	0.26
87-04(3)	589.49	12.98		576.22			
87-05(1)	589.37	13.81	Ocotber 21, 2024	574.79	1.54	7.00	0.22
87-05(3)	589.46	12.59		576.33			
87-13(1)	590.06	14.14	October 21, 2024	575.49	1.02	7.00	0.15
87-13(3)	589.91	12.88		576.51			
87-14(1)	589.06	15.41	October 21, 2024	575.91	1.12	7.00	0.16
87-14(3)	590.35	12.77		577.03			
87-15(1)	590.27	13.60	October 21, 2024	575.85	1.27	7.00	0.18
87-15(3)	589.87	12.24		577.12			

Note: Positive vertical gradients are upwards from Zone 3 to Zone 1.

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	17-04(1)	17-04(1)	19-01(1)	19-01(1)	87-04(0)	87-04(1)	87-04(1)	87-08(1)	87-13(1)	87-13(1)	87-13(3)	87-14(0)
		Location	Source		Source		Source	Source		Source	Source		Source	Source
		Sample Date	3/28/2024	10/24/2024	3/26/2024	10/25/2024	12/16/2024	3/28/2024	10/24/2024	10/24/2024	3/28/2024	10/25/2024	10/25/2024	10/25/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS														
Dissolved oxygen	mg/L	NV	0.05	0.9	0.3	0.76	6.95	0.26	0.52	0.8	0.09	0.85	0.88	1
Oxidation Reduction Potential	mV	NV	-343.9	-357.9	-412.2	-412.4	17.4	-473.2	-456.1	-241.6	-263.9	-242.3	-128.9	-124.8
pH	SU	NV	6.33	6.41	7.18	8.34	7.66	6.51	6.22	7.17	9.16	7.93	6.81	7.11
Specific Conductivity	ms/cm	NV	1.864	16.454	6.034	13.421	1.089	3.516	8.546	2.793	1.715	2.06	2.719	2.24
Temperature	Deg C	NV	12.1	14.2	12.8	13.1	12.39	11.2	13.1	12.7	11.5	14.8	14.2	13.7
GASES														
Ethane	ug/L	NV	< 7.5 U	860	490	290 J	-	< 7.5 U	< 830 U	-	1500	990	-	-
Ethylene	ug/L	NV	22	1700	670	< 770 U	-	20	200 J	-	1800	1600	-	-
Methane	ug/L	NV	1800	680	2800	2500	-	1700	1300	-	8900	1800	-	-
GEN CHEMISTRY														
Sulfate	mg/L	NV	151	41.6 B	100	< 40 U	-	464	594 B	-	56.5	6.6 JB	-	-
Total Organic Carbon	mg/L	NV	317	379	3790	4380	-	652	2200	-	102	138	-	-
VOLATILES														
1,1,1-Trichloroethane	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
1,1,2-Trichloroethane	ug/L	1	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
1,1-Dichloroethane	ug/L	5	< 2000 U	< 5000 U	**6 J**	**12**	< 1 U	< 200 U	< 1000 U	4.6	< 100 U	**53 J**	< 200 U	< 2 U
1,1-Dichloroethene	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	2.4 J	< 100 U	**58 J**	< 200 U	< 2 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 2000 U	< 5000 U	< 10 U	< 10 U	-	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 20000 U	< 50000 U	**90 J**	**150**	< 10 U	< 2000 U	< 10000 U	< 40 U	< 1000 U	< 1000 U	< 2000 U	< 20 U
2-Hexanone	ug/L	50	< 10000 U	< 25000 U	< 50 U	38 J	< 5 U	< 1000 U	< 5000 U	< 20 U	< 500 U	< 500 U	< 1000 U	< 10 U
4-Methyl-2-pentanone	ug/L	NV	< 10000 U	< 25000 U	< 50 U	< 50 U	< 5 U	< 1000 U	< 5000 U	< 20 U	< 500 U	< 500 U	< 1000 U	< 10 U
Acetone	ug/L	50	< 20000 U	< 50000 U	< 100 U	< 100 U	< 10 U	< 2000 U	< 10000 U	< 40 U	< 1000 U	< 1000 U	< 2000 U	< 20 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Bromodichloromethane	ug/L	50	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Bromoform	ug/L	50	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Bromomethane	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	**210**	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Carbondisulfide	ug/L	60	< 2000 U	< 5000 U	15	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Carbontetrachloride	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	17-04(1)	17-04(1)	19-01(1)	19-01(1)	87-04(0)	87-04(1)	87-04(1)	87-08(1)	87-13(1)	87-13(1)	87-13(3)	87-14(0)
		Location	Source		Source		Source	Source		Source	Source		Source	Source
		Sample Date	3/28/2024	10/24/2024	3/26/2024	10/25/2024	12/16/2024	3/28/2024	10/24/2024	10/24/2024	3/28/2024	10/25/2024	10/25/2024	10/25/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chlorobenzene	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Chloroethane	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	**58 J**	**59 J**	< 200 U	< 2 U
Chloroform (trichloromethane)	ug/L	7	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Chloromethane	ug/L	5	< 2000 U	< 5000 U	**8.3 J**	< 10 U	< 1 U	**300**	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5	< 2000 U	< 5000 U	**67**	**65**	< 1 U	< 200 U	**2100**	**520**	**190**	**290**	**9600**	**8.1**
cis-1,3-Dichloropropene	ug/L	0.4	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Dibromochloromethane	ug/L	50	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Freon 113	ug/L	NV	-	-	-	-	< 1 U	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 4000 U	< 10000 U	< 20 U	< 20 U	< 2 U	< 400 U	< 2000 U	< 8 U	< 200 U	< 200 U	< 400 U	< 4 U
Methylene chloride	ug/L	5	**79000**	**160000**	**440**	**790**	< 1 U	**57000**	**11000**	**7.1**	**3300**	**8300**	**150 J**	1.8 J
o-Xylene	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Styrene	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Tetrachloroethene	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Toluene	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
trans-1,2-Dichloroethene	ug/L	5	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 2000 U	< 5000 U	< 10 U	< 10 U	< 1 U	< 200 U	< 1000 U	< 4 U	< 100 U	< 100 U	< 200 U	< 2 U
Trichloroethene	ug/L	5	< 2000 U	< 5000 U	**11**	**35**	**7.4**	**100 J**	**940 J**	< 4 U	**170**	**270**	< 200 U	**100**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 2000 U	< 5000 U	**540**	**870**	< 1 U	< 200 U	**1400**	**190**	< 100 U	< 100 U	**4300**	< 2 U
Xylene (total)	ug/L	NV	-	-	-	-	< 2 U	-	-	-	-	-	-	-

Notes:
Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holding time.
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	87-14(1)	87-14(1)	87-16(1)	87-16(1)	B-10A(1)	B-10A(1)	DW-10	DW-9	DW-9	87-17(0)	87-13(0)	87-15(0)
		Location	Source		Source		Source		Source	Source		Source	Source	Source
		Sample Date	3/25/2024	10/25/2024	3/26/2024	10/25/2024	3/25/2024	10/24/2024	10/25/2024	3/25/2024	10/24/2024	12/16/2024	12/17/2024	12/17/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS														
Dissolved oxygen	mg/L	NV	0	0.72	0.04	0.92	51.87	1.01	0.95	195.81	2.58	2.85	0.5	3.07
Oxidation Reduction Potential	mV	NV	-324.1	-368.9	-147.1	-121.7	-240.5	-293.7	-305.1	94.9	-225.2	-9	-202.7	-7
pH	SU	NV	6.36	7.72	7.24	6.34	9.37	6.71	6.36	9.43	7.54	8.33	8.62	7.5
Specific Conductivity	ms/cm	NV	5.72	11.735	3.585	3.646	1.269	1.507	1.802	0.465	1.384	1.472	0.913	2.193
Temperature	Deg C	NV	12.1	12.8	11	14.6	10.64	13	14.4	7.57	14.3	11.9	11.91	11.23
GASES														
Ethane	ug/L	NV	770	1200	< 170 U	130	< 83 U	< 830 U	-	< 7.5 U	< 7.5 U	-	-	-
Ethylene	ug/L	NV	5300	5100	470	520	3500	2800	-	< 7 U	32	-	-	-
Methane	ug/L	NV	4900	5600	460	590	5000	8300	-	< 4 U	220	-	-	-
GEN CHEMISTRY														
Sulfate	mg/L	NV	42.4	< 20 U	168	148	158	188 B	-	46	98.4 B	-	-	-
Total Organic Carbon	mg/L	NV	2010	1590	19.4	9.6	4.5	4.2	-	3.8	2.1	-	-	-
VOLATILES														
1,1,1-Trichloroethane	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	1.9	< 50 U	< 2 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
1,1-Dichloroethane	ug/L	5	**310 J**	**920**	< 8000 U	< 8000 U	< 400 U	**150 J**	< 200 U	< 1 U	2.2	< 50 U	< 2 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	0.64 J	**17 J**	< 2 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	-	-	-
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 4000 U	< 4000 U	< 80000 U	< 80000 U	< 4000 U	< 4000 U	< 2000 U	< 10 U	< 10 U	< 500 U	8.6 J	< 10 U
2-Hexanone	ug/L	50	< 2000 U	< 2000 U	< 40000 U	< 40000 U	< 2000 U	< 2000 U	< 1000 U	< 5 U	< 5 U	< 250 U	< 10 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 2000 U	< 2000 U	< 40000 U	< 40000 U	< 2000 U	< 2000 U	< 1000 U	< 5 U	< 5 U	< 250 U	< 10 U	< 5 U
Acetone	ug/L	50	< 4000 U	< 4000 U	< 80000 U	< 80000 U	< 4000 U	< 4000 U	< 2000 U	5.4 J	< 10 U	< 500 U	< 20 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Bromodichloromethane	ug/L	50	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Bromoform	ug/L	50	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Bromomethane	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Carbondisulfide	ug/L	60	< 400 U	**190 J**	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	0.27 J	< 1 U	< 50 U	< 2 U	< 1 U
Carbontetrachloride	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	87-14(1)	87-14(1)	87-16(1)	87-16(1)	B-10A(1)	B-10A(1)	DW-10	DW-9	DW-9	87-17(0)	87-13(0)	87-15(0)
		Location	Source		Source		Source		Source	Source		Source	Source	Source
		Sample Date	3/25/2024	10/25/2024	3/26/2024	10/25/2024	3/25/2024	10/24/2024	10/25/2024	3/25/2024	10/24/2024	12/16/2024	12/17/2024	12/17/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chlorobenzene	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Chloroethane	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Chloromethane	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**3900**	< 400 U	**95000 F1**	**110000**	**5000**	**5900**	**990**	< 1 U	**240**	**2500**	< 2 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Dibromochloromethane	ug/L	50	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	690	< 2 U	< 1 U
m,p-xylene	ug/L	5	< 800 U	< 800 U	< 16000 U	< 16000 U	< 800 U	< 800 U	< 400 U	< 2 U	< 2 U	< 100 U	< 4 U	< 2 U
Methylene chloride	ug/L	5	**1100**	**310 J**	**420000 F1**	**670000**	< 400 U	**300 J**	**920**	< 1 U	**12**	< 50 U	< 2 U	< 1 U
o-Xylene	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Styrene	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Tetrachloroethene	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Toluene	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 400 U	< 400 U	< 8000 U	< 8000 U	< 400 U	< 400 U	< 200 U	< 1 U	< 1 U	< 50 U	< 2 U	< 1 U
Trichloroethene	ug/L	5	< 400 U	< 400 U	**330000 F1**	**310000**	< 400 U	< 400 U	**180 J**	4.2	**19**	**830**	< 2 U	1.4
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**12000**	**820**	< 8000 U	< 8000 U	**9900**	**9400**	**210**	< 1 U	**85**	**180**	< 2 U	< 1 U
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	< 100 U	< 4 U	< 2 U

Notes:
Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holding time.
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	B-8(0)	B-8(0)	17-01(1)	17-01(1)	87-01(1)	86-23(B)	87-10(0)	87-10(1)	87-10(1)	87-17(1)	87-17(1)[1]
		Location	Source		Mid Plume		Mid Plume	Mid Plume	Mid Plume	Mid Plume		Mid Plume	
		Sample Date	10/24/2024	12/17/2024	3/27/2024	10/24/2024	10/22/2024	10/22/2024	10/22/2024	3/24/2024	10/22/2024	10/25/2024	10/25/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS													
Dissolved oxygen	mg/L	NV	0.85	1.23	0.34	0.41	0.64	0.82	5.55	28.25	0.86	0.71	-
Oxidation Reduction Potential	mV	NV	-112.1	-22.6	-333.8	-475.9	-413.2	-272.7	-11.8	-274.2	-382.1	-309.6	-
pH	SU	NV	7.57	7.66	6.14	6.05	6.89	6.96	7.38	8.9	7.12	6.96	-
Specific Conductivity	ms/cm	NV	1.672	0.908	5.574	11.348	6.736	6.799	1.9	2.995	6.374	6.445	-
Temperature	Deg C	NV	13.1	10.27	13	15.9	17.9	13.2	17	8.82	16.2	14.7	-
GASES													
Ethane	ug/L	NV	-	-	< 7.5 U	26	-	-	-	< 83 U	1.5 J	-	-
Ethylene	ug/L	NV	-	-	3.2 J	< 7 U	-	-	-	150	180	-	-
Methane	ug/L	NV	-	-	120	110	-	-	-	110	120	-	-
GEN CHEMISTRY													
Sulfate	mg/L	NV	-	-	1740	1420 B	-	-	-	1190	1240 B	-	-
Total Organic Carbon	mg/L	NV	-	-	321	421	-	-	-	2.5	< 1 U	-	-
VOLATILES													
1,1,1-Trichloroethane	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	**35**	**10**	**22**	**22**	**30**	**29**
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
1,1-Dichloroethane	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	**88**	**18 J**	2.5	**15**	**14**	**11**	**11**
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	**14 J**	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	0.89 J
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	-	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 10 U	< 20000 U	< 20000 U	< 400 U	< 200 U	< 10 U	< 100 U	< 100 U	< 40 U	< 20 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 10000 U	< 10000 U	< 200 U	< 100 U	< 5 U	< 50 U	< 50 U	< 20 U	< 10 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 10000 U	< 10000 U	< 200 U	< 100 U	< 5 U	< 50 U	< 50 U	< 20 U	< 10 U
Acetone	ug/L	50	< 10 U	< 10 U	< 20000 U	< 20000 U	< 400 U	< 200 U	< 10 U	< 100 U	< 100 U	< 40 U	< 20 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	0.53 J	< 10 U	< 10 U	< 4 U	< 2 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	**860 J**	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	B-8(0)	B-8(0)	17-01(1)	17-01(1)	87-01(1)	86-23(B)	87-10(0)	87-10(1)	87-10(1)	87-17(1)	87-17(1)[1]
		Location	Source		Mid Plume		Mid Plume	Mid Plume	Mid Plume	Mid Plume		Mid Plume	
		Sample Date	10/24/2024	12/17/2024	3/27/2024	10/24/2024	10/22/2024	10/22/2024	10/22/2024	3/24/2024	10/22/2024	10/25/2024	10/25/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	4.5	< 10 U	< 10 U	< 4 U	< 2 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	**45000**	**30000**	**2900**	**88**	**5.7**	**180**	**180**	**83**	**84**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Freon 113	ug/L	NV	-	< 1 U	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 4000 U	< 4000 U	< 80 U	< 40 U	< 2 U	< 20 U	< 20 U	< 8 U	< 4 U
Methylene chloride	ug/L	5	< 1 U	< 1 U	**66000**	**58000**	< 40 U	**9.7 J**	< 1 U	< 10 U	**5.9 J**	4.2	1.7 J
o-Xylene	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Styrene	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Toluene	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 2000 U	< 2000 U	< 40 U	< 20 U	< 1 U	< 10 U	< 10 U	< 4 U	< 2 U
Trichloroethene	ug/L	5	< 1 U	< 1 U	**92000**	**70000**	**52**	< 20 U	0.72 J	**12**	**5.7 J**	< 4 U	1.7 J
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 1 U	< 1 U	< 2000 U	< 2000 U	**2900**	**1200**	< 1 U	**270**	**240**	**150**	**150**
Xylene (total)	ug/L	NV	-	< 2 U	-	-	-	-	-	-	-	-	-

Notes:
Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holding time.
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	89-10(1)	89-10(1)	89-14(0)	89-14(1)	89-15(1)	89-15(1)	B-14(1)	DW-11	DW-12	87-02(1)	87-02(3)	87-21(1)
		Location	Mid Plume		Mid Plume	Mid Plume	Mid Plume		Mid Plume	Mid Plume	Mid Plume	Downgradient On Site	Downgradient On Site	Downgradient On Site
		Sample Date	3/24/2024	10/23/2024	10/23/2024	10/23/2024	3/26/2024	10/25/2024	10/23/2024	10/22/2024	10/22/2024	10/23/2024	10/23/2024	10/23/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS														
Dissolved oxygen	mg/L	NV	41.12	0.67	6.24	1.05	0.08	0.75	0.68	0.81	5.28	0.73	0.85	1.04
Oxidation Reduction Potential	mV	NV	-263	-425.1	-47.4	-281.3	-363.8	-442.3	-375.9	-363	-7.6	-296.8	-485.1	-167
pH	SU	NV	6.03	7.05	6.76	6.86	6.94	7.24	6.99	7.24	8.5	7.08	8.59	7.39
Specific Conductivity	ms/cm	NV	3.191	49.59	7.44	7.615	1.826	3.638	6.301	10.332	1.429	5.446	10.222	2.548
Temperature	Deg C	NV	9.71	16.2	16.1	14.7	12.4	16.3	15.3	16.7	18.6	16.2	16.4	16.6
GASES														
Ethane	ug/L	NV	5.6 J	6.4 J	-	-	< 170 U	< 330 U	-	-	-	-	-	-
Ethylene	ug/L	NV	140	130	-	-	780	330	-	-	-	-	-	-
Methane	ug/L	NV	28	18	-	-	4500	1800	-	-	-	-	-	-
GEN CHEMISTRY														
Sulfate	mg/L	NV	671	800 B	-	-	9 J	97.3	-	-	-	-	-	-
Total Organic Carbon	mg/L	NV	200	3.4 B	-	-	61	8.2 J	-	-	-	-	-	-
VOLATILES														
1,1,1-Trichloroethane	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	3.6	< 8 U	**24**	**6.3**	< 1 U	< 10 U	< 1 U	4.4
1,1,2,2-Tetrachloroethane	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 200 U	**8.1 J**	< 2 U	**8.4**	**21**	**19**	**9.6**	**8.5**	< 1 U	**20**	< 1 U	2.9
1,1-Dichloroethene	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	3.1	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 2000 U	< 100 U	< 20 U	< 20 U	< 20 U	< 80 U	< 40 U	< 20 U	< 10 U	< 100 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 1000 U	< 50 U	< 10 U	< 10 U	< 10 U	< 40 U	< 20 U	< 10 U	< 5 U	< 50 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 1000 U	< 50 U	< 10 U	< 10 U	< 10 U	< 40 U	< 20 U	< 10 U	< 5 U	< 50 U	< 5 U	< 5 U
Acetone	ug/L	50	< 2000 U	< 100 U	< 20 U	< 20 U	8.8 J	< 80 U	< 40 U	< 20 U	< 10 U	< 100 U	< 10 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U+	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 200 U	< 10 U	< 2 U	< 2 U	3.3	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	0.22 J	< 1 U
Carbontetrachloride	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U+	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	89-10(1)	89-10(1)	89-14(0)	89-14(1)	89-15(1)	89-15(1)	B-14(1)	DW-11	DW-12	87-02(1)	87-02(3)	87-21(1)
		Location	Mid Plume		Mid Plume	Mid Plume	Mid Plume		Mid Plume	Mid Plume	Mid Plume	Downgradient On Site	Downgradient On Site	Downgradient On Site
		Sample Date	3/24/2024	10/23/2024	10/23/2024	10/23/2024	3/26/2024	10/25/2024	10/23/2024	10/22/2024	10/22/2024	10/23/2024	10/23/2024	10/23/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chlorobenzene	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 200 U	< 10 U	< 2 U	< 2 U	1.1 J	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	3.8
Chloromethane	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U+	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**6400**	**1600**	< 2 U	**16**	**370**	**38**	**62**	**21**	< 1 U	**330**	< 1 U	**8.9**
cis-1,3-Dichloropropene	ug/L	0.4	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U+	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 400 U	< 20 U	< 4 U	< 4 U	< 4 U	< 16 U	< 8 U	< 4 U	< 2 U	< 20 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	**3200**	**190**	1.4 J	1.3 J	**7**	**10**	3.2 J	1.4 J	< 1 U	**8.2 J**	< 1 U	< 1 U
o-Xylene	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Styrene	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Toluene	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	1.6 J	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 200 U	< 10 U	< 2 U	< 2 U	**8.8**	< 8 U	< 4 U	< 2 U	< 1 U	**9 J**	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 200 U	< 10 U	< 2 U	< 2 U	< 2 U	< 8 U	< 4 U	< 2 U	< 1 U	< 10 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	**3900**	**340**	< 2 U	< 2 U	**200**	**24**	< 4 U	**5.7**	0.73 J	**13**	< 1 U	3
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**1000**	**600**	< 2 U	**75**	**490**	**34**	**94**	**41**	< 1 U	**970**	< 1 U	< 1 U
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holding time.
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	87-22(1)	87-22(1)[1]	89-04(1)	EW-8	EW-13	87-19(1)	87-19(1)[1]	87-20(0)	87-20(1)	87-20(1)[1]	93-03(1)	93-03(1)
		Location	Downgradient On Site		Downgradient On Site	Downgradient On Site	Downgradient On Site	Downgradient Off Site		Downgradient Off Site	Downgradient Off Site		Downgradient Off Site	
		Sample Date	10/24/2024	10/24/2024	10/23/2024	10/24/2024	10/23/2024	10/24/2024	10/24/2024	10/23/2024	10/23/2024	10/23/2024	4/29/2024	10/22/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS														
Dissolved oxygen	mg/L	NV	0.75	-	0.69	0.76	0.82	0.98	-	0.49	0.43	-	8.33	0.95
Oxidation Reduction Potential	mV	NV	-351.4	-	-4.321	-393.7	-359.3	-75.9	-	-127.1	128.8	-	-297.9	-342.3
pH	SU	NV	6.83	-	0.77	6.71	7.08	6.59	-	6.8	7.16	-	6.95	7.01
Specific Conductivity	ms/cm	NV	5.814	-	6.769	6.437	6.092	3.044	-	2.472	2.935	-	2.92	6.741
Temperature	Deg C	NV	12.6	-	14.6	14.8	16.2	13.5	-	15.3	15	-	12.3	12.3
GASES														
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY														
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES														
1,1,1-Trichloroethane	ug/L	5	2.3	< 2 U	< 1 U	< 200 U	**27**	< 1 U	< 1 U	< 1 U	5	**6**	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**5.5**	< 2 U	< 1 U	**280**	**17**	< 1 U	< 1 U	< 1 U	**5.4**	**5.4**	< 1 U	< 1 U
1,1-Dichloroethene	ug/L	5	4	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 20 U	< 10 U	< 2000 U	< 80 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 5 U	< 10 U	< 5 U	< 1000 U	< 40 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 10 U	< 5 U	< 1000 U	< 40 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 10 U	< 20 U	< 10 U	< 2000 U	< 80 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 10 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 1 U	< 2 U	4.3	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	0.32 J
Carbontetrachloride	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	87-22(1)	87-22(1)[1]	89-04(1)	EW-8	EW-13	87-19(1)	87-19(1)[1]	87-20(0)	87-20(1)	87-20(1)[1]	93-03(1)	93-03(1)
		Location	Downgradient On Site		Downgradient On Site	Downgradient On Site	Downgradient On Site	Downgradient Off Site		Downgradient Off Site	Downgradient Off Site		Downgradient Off Site	
		Sample Date	10/24/2024	10/24/2024	10/23/2024	10/24/2024	10/23/2024	10/24/2024	10/24/2024	10/23/2024	10/23/2024	10/23/2024	4/29/2024	10/22/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chlorobenzene	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	0.4 J	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	3.2	3.8	< 1 U	< 1 U
Chloromethane	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**1100**	**48**	1.1	**14000**	**110**	3.1	2.9	< 1 U	**14**	**17**	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 4 U	< 2 U	< 400 U	< 16 U	< 2 U	< 2 U	< 2 U	< 4 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	0.45 J	2.4	< 1 U	**340**	**11**	< 1 U	< 1 U	< 1 U	0.91 J	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	**6.9**	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 2 U	< 1 U	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	**5.2**	< 2 U	0.98 J	< 200 U	< 8 U	< 1 U	< 1 U	< 1 U	4.9	**5.9**	< 1 U	< 1 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**2100**	**88**	< 1 U	**2900**	**420**	1.9	**2.1**	< 1 U	**4**	**3.4**	< 1 U	< 1 U
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holding time.
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	EW-2	EW-2	EW-3	EW-3	EW-4	EW-4	EW-5	EW-5	EW-6	EW-6	EW-7	MH 9-3	MH 9-3
		Location	Downgradient Off Site		Downgradient Off Site		Downgradient Off Site		Downgradient Off Site		Downgradient Off Site		Downgradient Off Site		
		Sample Date	4/29/2024	10/22/2024	4/29/2024	10/22/2024	4/29/2024	10/22/2024	4/29/2024	10/22/2024	4/29/2024	10/22/2024	10/23/2024	4/30/2024	10/23/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS															
Dissolved oxygen	mg/L	NV	4.7	2.59	4.04	2.06	13.13	7.96	3.49	2.61	16.22	1.4	4.95	-	-
Oxidation Reduction Potential	mV	NV	-317.8	357.7	-326.6	-163.8	-277.7	-95.3	-328.4	-133.8	-259.4	-151.8	-61.4	-	-
pH	SU	NV	7.16	7.08	7.04	7.13	7.15	7.28	7.05	7.05	7.16	8.41	8.25	-	-
Specific Conductivity	ms/cm	NV	1.827	2.416	3.16	6.588	1.58	3.707	2.773	4.791	1.931	2.593	3.366	-	-
Temperature	Deg C	NV	13.14	14.7	13.8	13.2	15.05	14.1	14.37	11.5	12.36	15	21	-	-
GASES															
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY															
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES															
1,1,1-Trichloroethane	ug/L	5	4.6	4.3	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
1,1-Dichloroethane	ug/L	5	**5.9**	3.8	**16 J**	**12 J**	< 1 U	1	2.9	0.66 J	0.75 J	0.79 J	< 1 U	< 5 U	< 5 U
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 5 U	< 5 U
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	9.1 J	8.6 J
1,2-Dichloropropane	ug/L	1	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 5 U	< 5 U
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 5 U	< 5 U
2-Butanone	ug/L	50	< 10 U	< 10 U	< 200 U	< 200 U+	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	-	-
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 100 U	< 100 U	< 5 U	< 5 UF2	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	-	-
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	-	-
Acetone	ug/L	50	< 10 U	< 10 U	< 200 U	< 200 U	< 10 U	< 10 UF2	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	-	-
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 100 U	< 100 U+
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 50 U	< 50 U
Benzene	ug/L	1	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	< 20 U	< 20 U	0.26 J	0.32 J	0.33 J	< 1 U	< 1 U	< 1 U	< 1 U	-	-
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U

Table 7
Groundwater Sampling Results - 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

		Location Code	EW-2	EW-2	EW-3	EW-3	EW-4	EW-4	EW-5	EW-5	EW-6	EW-6	EW-7	MH 9-3	MH 9-3
		Location	Downgradient Off Site		Downgradient Off Site		Downgradient Off Site		Downgradient Off Site		Downgradient Off Site		Downgradient Off Site		
		Sample Date	4/29/2024	10/22/2024	4/29/2024	10/22/2024	4/29/2024	10/22/2024	4/29/2024	10/22/2024	4/29/2024	10/22/2024	10/23/2024	4/30/2024	10/23/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Chloroform (trichloromethane)	ug/L	7	0.71 J	5.1	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U+	< 1 U	< 1 UF2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	5	**65**	**19**	**260**	**56**	2.7	4.9 F2	**13**	**16**	**13**	2.1	< 1 U	-	-
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 25 U	< 25 U
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 40 U	< 40 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	-	-
Methylene chloride	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
o-Xylene	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-
Styrene	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-
Tetrachloroethene	ug/L	5	< 1 U	< 1 U+	< 20 U	< 20 U	< 1 U	< 1 UF1+	< 1 U	< 1 U+	< 1 U	< 1 U+	< 1 U	< 5 U	< 5 U
Toluene	ug/L	5	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
trans-1,2-Dichloroethene	ug/L	5	1.4	< 1 U	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 20 U	< 20 U	< 1 U	< 1 UF2F1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Trichloroethene	ug/L	5	4.3	4.7	< 20 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 5 U	< 5 U
Vinyl chloride	ug/L	2	**81**	**2.2**	**1700**	**700**	**4.6**	**17 F2**	**67**	**30**	**8.3**	< 1 U	< 1 U	**3.9 J**	**9.2**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holding time.
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-02(1)	17-02(1)	17-02(1)	17-02(1)
	Sample Date		11/13/2017	12/10/2018	3/27/2019	1/17/2020	5/21/2020	8/18/2020	3/22/2021	10/13/2021	3/21/2022	10/6/2022	3/21/2023	10/17/2023	3/27/2024	10/24/2024	11/13/2017	12/10/2018	3/22/2022	10/5/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																				
Dissolved oxygen	mg/L	NV	-	0.6	-	4.53	4.25	0.66	2.64	3.12	1.77	0	2.09	0.59	0.34	0.41	-	-	0.28	0
Oxidation Reduction Potential	mV	NV	-	-348.1	-365.8	-272.8	-252	-316.5	-305.9	-354.3	-275.9	-356	-296.2	-331.6	-333.8	-475.9	-	-	-344.8	-336
pH	SU	NV	7.23	6.79	6.01	6.32	6.33	6.3	6.09	6.29	6.43	6.15	6.4	5.91	6.14	6.05	-	-	6.5	5.85
Specific Conductivity	mS/cm	NV	2.447	4.294	3.302	4.829	4.77	4.318	3.61	4.53	3.323	0.00493	3.174	3.846	5.574	11.348	-	-	18.65	0.00506
Temperature	Deg C	NV	14.37	12.94	13.67	10.78	13.71	15.7	14.84	15.6	13.8	17.89	12.7	14.7	13	15.9	-	-	13.4	17.38
GASES																				
Ethane	ug/L	NV	-	-	< 83 U	9	4.2 J	23	< 83 U	17	13	< 41 U	< 330 U	24	< 7.5 U	26	-	-	< 170 U	< 330 U
Ethylene	ug/L	NV	-	-	27 J	19	13	< 7 U	< 77 U	< 7 U	36	51	< 310 U	< 7 U	3.2 J	< 7 U	-	-	380	940
Methane	ug/L	NV	-	-	110	64	42	130	85	71	79	95	120 J	95	120	110	-	-	8500	12000
GEN CHEMISTRY																				
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	< 0.05 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	1220	1350	1420	1310	1410	1560	1250	1250	1350	1490	1740	1420 B	-	-	423	81.9
Total organic carbon	mg/L	NV	-	-	448 B	388	9.7	318	519	475	276	286	359	387	321	421	-	-	265	167
VOLATILES																				
1,1,1-Trichloroethane	ug/L	5	**27**	**200**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**620**	< 2000 U	**510**	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	**22 J**	**47**	< 80 U	**18**
1,1,2,2-Tetrachloroethane	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
1,1,2-Trichloroethane	ug/L	1	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
1,1-Dichloroethane	ug/L	5	**17**	**84 J**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**260**	< 2000 U	**270 J**	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	**9 J**	**32**	**50 J**	**33**
1,1-Dichloroethene	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	3.8 J	< 80 U	< 8 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 25 U	< 500 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 400 U	< 20000 U	< 5000 U	< 20000 U	< 20000 U	< 20000 U	< 20000 U	< 20000 U	< 130 U	14 J	< 800 U	< 80 U
2-Hexanone	ug/L	50	< 25 U	< 500 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 200 U	< 10000 U	< 2500 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 130 U	< 50 U	< 400 U	< 40 U
4-Methyl-2-pentanone	ug/L	NV	< 25 U	< 500 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 200 U	< 10000 U	< 2500 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 130 U	< 50 U	< 400 U	< 40 U
Acetone	ug/L	50	6.7 J	< 500 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 400 U+	< 20000 U	< 5000 U	< 20000 U+	< 20000 U	< 20000 U	< 20000 U	< 20000 U	36 J	30	< 800 U	< 80 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Bromodichloromethane	ug/L	50	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Bromoform	ug/L	50	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Bromomethane	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Carbondisulfide	ug/L	60	< 5 U	**430**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**280**	**490 J**	**250 J**	< 2000 U	< 2000 U	< 2000 U	**860 J**	< 2000 U	< 25 U	**120**	23 J	15

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-02(1)	17-02(1)	17-02(1)	17-02(1)
	Sample Date		11/13/2017	12/10/2018	3/27/2019	1/17/2020	5/21/2020	8/18/2020	3/22/2021	10/13/2021	3/21/2022	10/6/2022	3/21/2023	10/17/2023	3/27/2024	10/24/2024	11/13/2017	12/10/2018	3/22/2022	10/5/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Chlorobenzene	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Chloroethane	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Chloroform (trichloromethane)	ug/L	7	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Chloromethane	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U+
cis-1,2-Dichloroethene	ug/L	5	**620**	**4800**	**7000**	**9100**	**7100**	**6400**	**11000**	**17000**	**10000**	**15000**	**31000**	**33000**	**45000**	**30000**	**4300 D**	**1000**	**3400**	**490**
cis-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Dibromochloromethane	ug/L	50	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 10 U	< 200 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 80 U	< 4000 U	< 1000 U	< 4000 U	< 4000 U	< 4000 U	< 4000 U	< 4000 U	< 50 U	< 20 U	< 160 U	< 16 U
Methylene chloride	ug/L	5	< 5 U	**28000 D**	**35000**	**28000**	**18000**	**21000**	**39000**	**100000**	**66000**	**31000**	**59000**	**44000**	**66000**	**58000**	< 25 U	**140**	**780**	**40**
o-Xylene	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Styrene	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Tetrachloroethene	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Toluene	ug/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**27 J**	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
trans-1,2-Dichloroethene	ug/L	5	2.6 J	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**43**	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	**19 J**	4.9 J	< 80 U	**13**
Trans-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 25 U	< 10 U	< 80 U	< 8 U
Trichloroethene	ug/L	5	3.9 J	**19000 J**	**42000**	**46000**	**33000**	**28000**	**65000**	**86000**	**67000**	**52000**	**84000**	**84000**	**92000**	**70000**	**490**	**1100**	**330**	**63**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**510**	**330**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**480**	< 2000 U	**450 J**	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	**270**	**130**	**770**	**680**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.

J = An estimated value below detection limit.

D = Compound analyzed at secondary dilution.

E = Compound exceeds the calibration range.

I = Interference with injection amendments in well.

H = Prepped or analyzed beyond the specified holding time.

N = Normal Sample

FD = Field Duplicate Sample

- = Not Analyzed.

VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		17-03(1)	17-03(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-05(1)	17-05(1)	17-05(1)	17-05(1)	19-01(1)	19-01(1)	19-01(1)
	Sample Date		11/13/2017	12/10/2018	11/15/2017	12/12/2018	3/23/2022	10/12/2022	3/16/2023	10/19/2023	3/28/2024	10/24/2024	11/15/2017	12/12/2018	3/23/2022	10/13/2022	8/28/2019	3/22/2022	10/10/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	-	0.36	0	0.12	0.2	0.05	0.9	-	-	0.22	3.31	-	0.81	0
Oxidation Reduction Potential	mV	NV	-	-	-	-	-220.3	-326.7	-214.6	-426.2	-343.9	-357.9	-	-	-247.6	-121.2	-	-402.9	-460.9
pH	SU	NV	-	-	-	-	6.02	5.56	6.1	5.78	6.33	6.41	-	-	7.38	6.67	-	8.14	6.79
Specific Conductivity	mS/cm	NV	-	-	-	-	10.54	8.752	7.481	8.4	1.864	16.454	-	-	12.75	4.834	-	4.22	4.761
Temperature	Deg C	NV	-	-	-	-	10	17.4	12	16.9	12.1	14.2	-	-	10.5	15	-	10.7	12.8
GASES																			
Ethane	ug/L	NV	-	-	-	-	160 J	240	400	290	< 7.5 U	860	-	-	230 J	< 660 U	-	680	280 J
Ethylene	ug/L	NV	-	-	-	-	1900	1600	1500	1200	22	1700	-	-	1800	640	-	2000	3100
Methane	ug/L	NV	-	-	-	-	50 J	45 J	110	92	1800	680	-	-	5500	4400	-	610	1100
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	1200	935	1080	614	151	41.6 B	-	-	22.3 J	29.4 J	-	67.6 J	307
Total organic carbon	mg/L	NV	-	-	-	-	3970	3880	39.3	3490	317	379	-	-	5460	2890	-	4860	5230
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**48**	< 1 U	**2900**	**270 J**	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	**900**	**130**	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
1,1,2-Trichloroethane	ug/L	1	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
1,1-Dichloroethane	ug/L	5	**29**	3.1	**600**	**430 J**	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	**79 J**	**96**	**160**	**84 J**	< 500 U	< 20 U	**18 J**
1,1-Dichloroethene	ug/L	5	< 5 U	< 1 U	**440 J**	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	**40 J**	< 100 U	< 100 U	< 500 U	< 20 U	**6.8 J**
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	-	< 20 U	< 20 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 25 U	< 5 U	< 2500 U	< 5000 U	< 100000 U	< 100000 U	< 100000 U	< 50000 U	< 20000 U	< 50000 U	< 1300 U	< 250 U	< 1000 U	< 1000 U	< 5000 U	< 200 U	**220**
2-Hexanone	ug/L	50	< 25 U	< 5 U	< 2500 U	< 5000 U	< 50000 U	< 50000 U	< 50000 U	< 25000 U	< 10000 U	< 25000 U	< 1300 U	< 250 U	< 500 U	< 500 U	< 2500 U	< 100 U	< 100 U
4-Methyl-2-pentanone	ug/L	NV	< 25 U	< 5 U	< 2500 U	< 5000 U	< 50000 U	< 50000 U	< 50000 U	< 25000 U	< 10000 U	< 25000 U	< 1300 U	< 250 U	< 500 U	< 500 U	< 2500 U	< 100 U	< 100 U
Acetone	ug/L	50	< 25 U	3.1 J	< 2500 U	< 5000 U	< 100000 U	< 100000 U	< 100000 U	< 50000 U	< 20000 U	< 50000 U	< 1300 U	< 250 U	< 1000 U	< 1000 U	< 5000 U	< 200 U	< 200 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Bromodichloromethane	ug/L	50	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Bromoform	ug/L	50	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Bromomethane	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Carbondisulfide	ug/L	60	< 5 U	3.5	**140 J**	**1400**	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	**220**	< 100 U	< 100 U	< 500 U	8 J	< 20 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		17-03(1)	17-03(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-04(1)	17-05(1)	17-05(1)	17-05(1)	17-05(1)	19-01(1)	19-01(1)	19-01(1)
	Sample Date		11/13/2017	12/10/2018	11/15/2017	12/12/2018	3/23/2022	10/12/2022	3/16/2023	10/19/2023	3/28/2024	10/24/2024	11/15/2017	12/12/2018	3/23/2022	10/13/2022	8/28/2019	3/22/2022	10/10/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Chlorobenzene	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Chloroethane	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Chloroform (trichloromethane)	ug/L	7	< 5 U	< 1 U	**940**	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	**400**	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Chloromethane	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
cis-1,2-Dichloroethene	ug/L	5	**710**	**7.8**	**30000**	**12000**	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	**4300**	**6100**	**2700**	**890**	**15000**	**130**	**1600**
cis-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Dibromochloromethane	ug/L	50	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 500 U	-	-
m,p-xylene	ug/L	5	< 10 U	< 2 U	< 1000 U	< 2000 U	< 20000 U	< 20000 U	< 20000 U	< 10000 U	< 4000 U	< 10000 U	< 500 U	< 100 U	< 200 U	< 200 U	< 1000 U	< 40 U	< 40 U
Methylene chloride	ug/L	5	**21**	< 1 U	**180000 D**	**210000 D**	**620000**	**350000**	**240000**	**240000**	**79000**	**160000**	**14000**	**1300**	**8200**	**5700**	**1900**	**160**	**290**
o-Xylene	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Styrene	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Tetrachloroethene	ug/L	5	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Toluene	ug/L	5	< 5 U	< 1 U	**130 J**	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
trans-1,2-Dichloroethene	ug/L	5	4.4 J	0.38 J	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	**18 J**	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 1 U	< 500 U	< 1000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	< 250 U	< 50 U	< 100 U	< 100 U	< 500 U	< 20 U	< 20 U
Trichloroethene	ug/L	5	**17**	0.26 J	**170000 E**	**83000**	**12000**	< 10000 U	< 10000 U	**3800 J**	< 2000 U	< 5000 U	**32000**	**6500**	< 100 U	**54 J**	**5400**	< 20 U	**180**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**700**	**9.4**	**1400**	**510 J**	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U	**930**	**910**	**1700**	**930**	**5800**	**1300**	**9600**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1000 U	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		19-01(1)	19-01(1)	19-01(1)	19-01(1)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	87-01(1)
	Sample Date		3/20/2023	10/19/2023	3/26/2024	10/25/2024	12/10/2018	3/26/2019	1/13/2020	5/21/2020	8/18/2020	3/16/2021	10/4/2021	3/17/2022	10/3/2022	10/3/2022	10/17/2023	10/22/2024	10/30/2014
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.78	0.26	0.3	0.76	-	-	0.18	0.4	2.74	6.53	0.1	1.89	-	0	0.29	0.82	-
Oxidation Reduction Potential	mV	NV	-95.1	-115.4	-412.2	-412.4	-154.7	-289.5	-175.3	-186.8	-234	-200.9	-286.6	-240.1	-	-248.7	-249.8	-272.7	-
pH	SU	NV	6.58	6.49	7.18	8.34	7.01	6.81	6.95	7.02	7.08	6.95	6.99	7.05	-	6.73	7.07	6.96	-
Specific Conductivity	mS/cm	NV	4.08	4.964	6.034	13.421	1.356	2.431	3.047	3.077	2.887	2.04	2.83	2.833	-	3.303	2.406	6.799	-
Temperature	Deg C	NV	7.7	13.7	12.8	13.1	13.4	11.64	12.24	12.27	16.3	11.28	14.5	12.2	-	14	14	13.2	-
GASES																			
Ethane	ug/L	NV	660	450	490	290 J	-	< 7.5 U	4.4 J	< 83 U	< 83 U	< 7.5 U	< 7.5 U	< 7.5 U	-	< 7.5 U	< 7.5 U	-	-
Ethylene	ug/L	NV	2600	290	670	< 770 U	-	590	380	290	230	200	220	120	-	140	80	-	-
Methane	ug/L	NV	3100	870	2800	2500	-	78	88	79	74	72	89	47	-	100	100	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	320	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	< 0.05 U	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	60	17.2 J	100	< 40 U	-	1140	1290	1300	1260	1290	1320	1200	-	1390	1230	-	-
Total organic carbon	mg/L	NV	4720	4880	3790	4380	-	2.1	2.3	2.7	3.1	2.9	2.4	3.2	-	2.8	2.2	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	**32**	**35**	**33**	**29**	**12**	**31**	**31**	< 20 U	**34**	**36**	**35**	**35**	**17**
1,1,2,2-Tetrachloroethane	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 2.1 U
1,1,2-Trichloroethane	ug/L	1	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 2.3 U
1,1-Dichloroethane	ug/L	5	< 100 U	4.1 J	**6 J**	**12**	**19**	**21**	**22**	**19**	**6.6 J**	**19**	**21**	**20**	**19**	**21**	**19 J**	**18 J**	**9.7**
1,1-Dichloroethene	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	0.78 J	< 20 U	< 20 U	< 20 U	< 2.9 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 2.1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	-	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 7.2 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 1000 U	42 J	**90 J**	**150**	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 80 U	< 200 U	< 200 U	< 10 U	< 200 U	< 200 U	< 200 U	< 13 U
2-Hexanone	ug/L	50	< 500 U	< 50 U	< 50 U	38 J	< 25 U	< 50 U	< 50 U	< 50 U	< 50 U	< 40 U	< 100 U	< 100 U	< 5 U	< 100 U	< 100 U	< 100 U	< 12 U
4-Methyl-2-pentanone	ug/L	NV	< 500 U	< 50 U	< 50 U	< 50 U	< 25 U	< 50 U	< 50 U	< 50 U	< 50 U	< 40 U	< 100 U	< 100 U	< 5 U	< 100 U	< 100 U	< 100 U	< 21 U
Acetone	ug/L	50	< 1000 U	< 100 U	< 100 U	< 100 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 80 U	< 200 U	< 200 U	< 10 U	< 200 U	< 200 U	< 200 U	< 30 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 4.1 U
Bromodichloromethane	ug/L	50	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 3.9 U
Bromoform	ug/L	50	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 2.6 U
Bromomethane	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 6.9 U
Carbondisulfide	ug/L	60	< 100 U	< 10 U	15	< 10 U	4.6 J	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 1.9 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		19-01(1)	19-01(1)	19-01(1)	19-01(1)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	87-01(1)
	Sample Date		3/20/2023	10/19/2023	3/26/2024	10/25/2024	12/10/2018	3/26/2019	1/13/2020	5/21/2020	8/18/2020	3/16/2021	10/4/2021	3/17/2022	10/3/2022	10/3/2022	10/17/2023	10/22/2024	10/30/2014
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 2.7 U
Chlorobenzene	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 7.5 U
Chloroethane	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 3.2 U
Chloroform (trichloromethane)	ug/L	7	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 3.4 U
Chloromethane	ug/L	5	< 100 U	< 10 U	**8.3 J**	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 3.5 U
cis-1,2-Dichloroethene	ug/L	5	**300**	**49**	**67**	**65**	**88**	**53**	**200**	**120**	**42**	**72**	**310**	**94**	**57**	**63**	**100**	**88**	**660**
cis-1,3-Dichloropropene	ug/L	0.4	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 3.6 U
Dibromochloromethane	ug/L	50	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 3.2 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 7.4 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 200 U	< 20 U	< 20 U	< 20 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 16 U	< 40 U	< 40 U	< 2 U	< 40 U	< 40 U	< 40 U	< 6.6 U
Methylene chloride	ug/L	5	**730**	**530**	**440**	**790**	< 5 U	< 10 U	**11**	< 10 U	< 10 U	< 8 U	**53**	**15 J**	< 1 U	< 20 U	< 20 U	**9.7 J**	< 4.4 U
o-Xylene	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 7.6 U
Styrene	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 7.3 U
Tetrachloroethene	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 3.6 U
Toluene	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 5.1 U
trans-1,2-Dichloroethene	ug/L	5	< 100 U	< 10 U	< 10 U	< 10 U	4.2 J	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	3.2	< 20 U	< 20 U	< 20 U	**9.1**
Trans-1,3-Dichloropropene	ug/L	0.4	< 100 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U	< 3.7 U
Trichloroethene	ug/L	5	< 100 U	< 10 U	**11**	**35**	**5.4**	**6.7 J**	**7.2 J**	**5.7 J**	< 10 U	4.7 J	**13 J**	< 20 U	3.8	< 20 U	< 20 U	< 20 U	**72**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**3800**	**730**	**540**	**870**	**500**	**650**	**710**	**870**	**310**	**1300**	**1100**	**1300 F1**	**1300**	**1100**	**1000**	**1200**	**96**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
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D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
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Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)
Sample Date			10/19/2016	5/23/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/26/2019	1/14/2020	5/22/2020	8/19/2020	10/14/2020	3/16/2021	10/5/2021
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	2.56	2.01	0.77	0.07	2.86	2.84	-	1.4	3.96	0.31	5.97	0.93	-	7.3	0.21
Oxidation Reduction Potential	mV	NV	-	-	-101	-216.9	-166.4	-181.8	-329.7	-227.4	-	-343.7	-336	-265.1	-245.4	-257.7	-	-258	-329.6
pH	SU	NV	-	-	7.26	6.7	7.34	7.16	7.06	7.07	7.25	7.35	6.7	6.99	6.99	7.14	-	7.01	7.05
Specific Conductivity	mS/cm	NV	-	-	2.39	2.232	3.101	2.599	1.83	1.731	1.57	2.815	2.569	2.69	3.421	2.091	-	2.11	3.222
Temperature	Deg C	NV	-	-	14.63	13.54	13.5	11.61	15.26	16.26	15.41	14.18	14.29	15.08	14.72	16.3	-	14.59	16.7
GASES																			
Ethane	ug/L	NV	-	-	1.8	1.1	< 1 U	< 1 U	< 10 U	< 10 U	-	< 10 U	< 170 U	< 170 U	< 83 U	< 83 U	-	< 7.5 U	< 83 U
Ethylene	ug/L	NV	-	-	15	24	18	470 D	180	480	-	780	450	400	460	210	-	42	520
Methane	ug/L	NV	-	-	84	27	1.9	76	1000	1100 D	-	470	380	1400	700	1700	-	120	1900
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	0.28	0.433	0.547	0.595	0.514	0.366	-	0.415	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	0.308	0.554	0.532	0.606	0.542	0.383	-	0.402	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	0.142	0.406	0.78	0.584	0.266	0.188	-	0.292	332	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	0.00051	0.0004	0.00014	< 0.0001 U	0.00024	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	-	< 0.001 U	0.042 J	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	0.875	0.205	0.0188	0.176	0.36	0.286	-	0.627	725	462	739	539	-	1170	736
Total organic carbon	mg/L	NV	-	-	0.0032	0.111	0.0657	0.0324	0.0045	0.0041	-	0.0043	2.6	2.9	3.1	3.1	-	3.1	3.1
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**13**	**15**	**72**	**22**	**10**	**18**	**9.9**	**12**	**20**	**38**	< 50 U	< 50 U	< 50 U	**16**	< 10 U	**41**	**39**
1,1,2,2-Tetrachloroethane	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
1,1,2-Trichloroethane	ug/L	1	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
1,1-Dichloroethane	ug/L	5	**8.4**	**5.6**	**21**	**15**	**14**	**15**	**12**	**12**	**13**	**37**	**37 J**	**37 J**	**41 J**	**17**	**12**	**19**	**44**
1,1-Dichloroethene	ug/L	5	< 5 U	2.6	**7**	< 10 U	< 2 U	< 1 U	1.9	< 2 U	0.73 J	4.3 J	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	2.5 J	**15 J**
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	-	< 8 U	-
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 25 U	< 2 U	< 25 U	< 50 U	6.8 J	3.8 J	< 5 U	< 10 U	< 5 U	< 50 U	< 500 U	< 500 U	< 500 U	< 100 U	< 100 U	< 80 U	< 200 U
2-Hexanone	ug/L	50	< 25 U	< 10 U	< 25 U	< 50 U	< 10 U	< 5 U	< 5 U	< 10 U	< 50 U	< 50 U	< 250 U	< 250 U	< 250 U	< 50 U	< 50 U	< 40 U	< 100 U
4-Methyl-2-pentanone	ug/L	NV	< 25 U	< 10 U	< 25 U	< 50 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 50 U	< 250 U	< 250 U	< 250 U	< 50 U	< 50 U	< 40 U	< 100 U
Acetone	ug/L	50	7.5	< 10 U	6.5 J	< 50 U	16	7.1	< 5 U	< 10 U	< 5 U	< 50 U	< 500 U	< 500 U	< 500 U	< 100 U	< 100 U	< 80 U	< 200 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Bromodichloromethane	ug/L	50	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Bromoform	ug/L	50	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Bromomethane	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Carbondisulfide	ug/L	60	< 5 U	< 2 U	< 5 U	< 10 U	**140**	32	8.5	19	12	44	< 50 U	< 50 U	< 50 U	< 10 U	13	< 8 U	< 20 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)
	Sample Date		10/19/2016	5/23/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/26/2019	1/14/2020	5/22/2020	8/19/2020	10/14/2020	3/16/2021	10/5/2021
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Chlorobenzene	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Chloroethane	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Chloroform (trichloromethane)	ug/L	7	2.1	1.1 J	< 5 U	< 10 U	0.52 J	< 1 U	0.34 J	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Chloromethane	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
cis-1,2-Dichloroethene	ug/L	5	**640**	**690 D**	**1600 D**	**1200**	**290**	**58**	**520 D**	**30**	**190**	**1600**	**1700**	**2500**	**3300**	**570**	**330 F1**	**980**	**3400**
cis-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Dibromochloromethane	ug/L	50	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-	250
m,p-xylene	ug/L	5	< 10 U	< 4 U	< 10 U	< 20 U	< 4 U	< 2 U	< 2 U	< 4 U	< 2 U	< 20 U	< 100 U	< 100 U	< 100 U	< 20 U	< 20 U	< 16 U	< 40 U
Methylene chloride	ug/L	5	< 5 U	< 2 U	**16**	**16**	**96**	**29**	**6.3**	< 2 U	< 1 U	< 10 U	**26 J**	< 50 U	**32 J**	< 10 U	< 10 U	< 8 U	**170**
o-Xylene	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	0.23 J	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Styrene	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Tetrachloroethene	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Toluene	ug/L	5	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	0.22 J	0.24 J	< 2 U	0.3 J	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
trans-1,2-Dichloroethene	ug/L	5	**6.3**	**6.8**	**6.4**	**5.2 J**	4.8	**6.4**	4.9	**7.7**	**7.3**	**13**	< 50 U	< 50 U	< 50 U	**10**	**9 J**	< 8 U	< 20 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 2 U	< 5 U	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 8 U	< 20 U
Trichloroethene	ug/L	5	**120**	**110**	**54**	**23**	**9.3**	3.7	**98**	4.2	4.1	**20**	< 50 U	**51**	**23 J**	**22**	**15**	**12**	**55**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**96**	**84**	**330**	**320**	**210**	**150**	**300 D**	**57**	**160**	**1400**	**1300**	**1500**	**1800**	**450**	**290 F1**	**650**	**2500**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 20 U	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-01(1)	87-01(1)	87-01(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)
	Sample Date		3/18/2022	10/5/2022	10/22/2024	10/30/2014	10/20/2016	11/13/2017	1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/26/2019	1/14/2020	5/22/2020	8/19/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.46	0	0.64	-	-	2.78	3.11	0.89	0.06	3.35	2.1	-	2.33	5.5	0.44	0.7	1.6
Oxidation Reduction Potential	mV	NV	-311.9	-319.9	-413.2	-	-	-21	-51	-40.9	-114.5	-230.4	-158.7	-	-337.7	-179.3	-173.8	-245.1	-264.9
pH	SU	NV	7.06	6.76	6.89	-	-	7.31	6.62	6.96	6.9	7.14	7.19	7.12	7.55	7.35	7.08	7.09	7.2
Specific Conductivity	mS/cm	NV	3.022	2.724	6.736	-	-	1.772	2.471	2.72	2.596	1.791	1.637	1.108	2.45	1.855	2.463	2.633	2.185
Temperature	Deg C	NV	16	16.6	17.9	-	-	14.68	11	12.44	10.12	14.09	18.52	14.56	13.97	11.81	14.57	14.62	16.6
GASES																			
Ethane	ug/L	NV	< 83 U	< 83 U	-	-	-	< 1 U	1.8	1.2	< 5.2 U	< 5.2 U	< 2.1 U	-	< 2.1 U	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U
Ethylene	ug/L	NV	710	480	-	-	-	9.8	20	150	330	260	160	-	560 D	210	56	69	420
Methane	ug/L	NV	2200	2100	-	-	-	65	63	60	120	58	28	-	200	210	67	370	430
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	0.29	0.562	0.589	0.621	0.406	0.282	-	0.396	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	0.298	0.764	0.648	0.703	0.417	0.285	-	0.371	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	0.177	0.477	0.619	0.504	0.33	0.134	-	0.336	449	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	< 0.0001 U	0.0546	0.0231	0.0033	0.00455	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	-	< 0.001 U	0.021 J	-	-	-
Sulfate	mg/L	NV	832	797	-	-	-	0.394	0.0631	0.0319	0.234	0.36	0.335	-	0.291	327	1180	808	656
Total organic carbon	mg/L	NV	3.2	3	-	-	-	0.0029	0.241	0.143	0.069	0.0068	0.0036	-	0.0055	2.5	2.5	3.4	3.2
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 20 U	< 50 U	< 40 U	< 16 U	**73**	**55**	**31**	**16**	**27**	**18**	1.8	**12**	4.4	1.2	**24**	**25**	< 5 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 20 U	< 50 U	< 40 U	< 4.2 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
1,1,2-Trichloroethane	ug/L	1	< 20 U	< 50 U	< 40 U	< 4.6 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
1,1-Dichloroethane	ug/L	5	**46**	**47 J**	**88**	< 7.6 U	**26 J**	**15**	**19 J**	**19**	**29**	**12**	**6.4**	**6.5**	**12**	4.5	**12**	**16**	**18**
1,1-Dichloroethene	ug/L	5	< 20 U	< 50 U	**14 J**	< 5.8 U	< 50 U	< 5 U	< 25 U	**6.5 J**	< 20 U	< 1 U	< 1 U	0.31 J	< 2.5 U	< 1 U	< 1 U	0.86 J	< 5 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 20 U	< 50 U	< 40 U	< 4.2 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 20 U	< 50 U	< 40 U	< 14 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 200 U	< 500 U	< 400 U	< 26 U	< 250 U	< 25 U	< 130 U	< 50 U	< 100 U	< 5 U	< 5 U	< 5 U	< 13 U	< 10 U	< 10 U	< 10 U	< 50 U
2-Hexanone	ug/L	50	< 100 U	< 250 U	< 200 U	< 25 U	< 250 U	< 25 U	< 130 U	< 50 U	< 100 U	< 5 U	< 5 U	< 5 U	< 13 U	< 5 U	< 5 U	< 5 U	< 25 U
4-Methyl-2-pentanone	ug/L	NV	< 100 U	< 250 U	< 200 U	< 42 U	< 250 U	< 25 U	< 130 U	< 50 U	< 100 U	< 5 U	< 5 U	< 5 U	< 13 U	< 5 U	< 5 U	< 5 U	< 25 U
Acetone	ug/L	50	< 200 U	< 500 U	< 400 U	< 60 U	< 250 U	< 25 U	< 130 U	< 50 U	< 100 U	3.3 J	2.2 J	< 5 U	< 13 U	< 10 U	< 10 U	< 10 U	< 50 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 20 U	< 50 U	< 40 U	< 8.2 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Bromodichloromethane	ug/L	50	< 20 U	< 50 U	< 40 U	< 7.8 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Bromoform	ug/L	50	< 20 U	< 50 U	< 40 U	< 5.2 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Bromomethane	ug/L	5	< 20 U	< 50 U	< 40 U	< 14 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Carbondisulfide	ug/L	60	< 20 U	< 50 U	< 40 U	< 3.8 U	< 50 U	< 5 U	< 25 U	21	28	19	2.1	1.1	9	< 1 U	< 1 U	0.4 J	< 5 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-01(1)	87-01(1)	87-01(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)
	Sample Date		3/18/2022	10/5/2022	10/22/2024	10/30/2014	10/20/2016	11/13/2017	1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/26/2019	1/14/2020	5/22/2020	8/19/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 20 U	< 50 U	< 40 U	< 5.4 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Chlorobenzene	ug/L	5	< 20 U	< 50 U	< 40 U	< 15 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Chloroethane	ug/L	5	< 20 U	< 50 U	< 40 U	< 6.4 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Chloroform (trichloromethane)	ug/L	7	< 20 U	< 50 U	< 40 U	< 6.8 U	< 50 U	4.2 J	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Chloromethane	ug/L	5	< 20 U	< 50 U	< 40 U	< 7 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
cis-1,2-Dichloroethene	ug/L	5	**1100**	**1100**	**2900**	**880**	**5100**	**1700 D**	**3400**	**2800 D**	**2100**	**50**	**14**	**49**	**190**	**9**	**64**	**340**	**290**
cis-1,3-Dichloropropene	ug/L	0.4	< 20 U	< 50 U	< 40 U	< 7.2 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Dibromochloromethane	ug/L	50	< 20 U	< 50 U	< 40 U	< 6.4 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 20 U	< 50 U	< 40 U	< 15 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 40 U	< 100 U	< 80 U	< 13 U	< 100 U	< 10 U	< 50 U	< 20 U	< 40 U	< 2 U	< 2 U	< 2 U	< 5 U	< 2 U	< 2 U	< 2 U	< 10 U
Methylene chloride	ug/L	5	< 20 U	< 50 U	< 40 U	< 8.8 U	**220**	**3000 D**	**800**	**220**	**34**	1.7	< 1 U	**21**	< 2.5 U	< 1 U	**46**	**2800**	< 5 U
o-Xylene	ug/L	5	< 20 U	< 50 U	< 40 U	< 15 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Styrene	ug/L	5	< 20 U	< 50 U	< 40 U	< 15 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Tetrachloroethene	ug/L	5	< 20 U	< 50 U	< 40 U	< 7.2 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Toluene	ug/L	5	< 20 U	< 50 U	< 40 U	< 10 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	0.22 J	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
trans-1,2-Dichloroethene	ug/L	5	< 20 U	< 50 U	< 40 U	< 18 U	< 50 U	**6**	**10 J**	**8.2 J**	**8.6 J**	4.6	1.2	0.93 J	3.9	0.92 J	1.3	1.7	< 5 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 20 U	< 50 U	< 40 U	< 7.4 U	< 50 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U
Trichloroethene	ug/L	5	**40**	**41 J**	**52**	**1200**	**3900**	**690**	**350**	**63**	**88**	3.9	2.5	**39**	**13**	2.5	**17**	**16**	**44**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**2200 F1**	**3300**	**2900**	**42**	**330**	**160**	**210**	**530**	**1100**	**85**	**22**	**35**	**330**	**22**	**69**	**220**	**220**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-04(0)
	Sample Date		10/13/2020	3/16/2021	10/6/2021	3/18/2022	10/5/2022	10/23/2024	10/30/2014	5/18/2015	6/25/2015	10/21/2015	4/28/2016	10/20/2016	10/30/2018	10/13/2020	10/5/2022	10/23/2024	12/16/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	4.94	0.22	0.21	0	0.73	-	-	-	-	-	-	-	-	0	0.85	6.95
Oxidation Reduction Potential	mV	NV	-	-342.2	-311.4	-294.5	-321.1	-296.8	-	-	-	-	-	-	-	-	-379.8	-485.1	17.4
pH	SU	NV	-	7.2	7.08	7	6.84	7.08	-	-	-	-	-	-	-	-	8.11	8.59	7.66
Specific Conductivity	mS/cm	NV	-	2.1	2.621	2.545	2.424	5.446	-	-	-	-	-	-	-	-	4.042	10.222	1.089
Temperature	Deg C	NV	-	12.81	15.7	14.5	16.2	16.2	-	-	-	-	-	-	-	-	17.1	16.4	12.39
GASES																			
Ethane	ug/L	NV	-	< 7.5 U	< 83 U	< 83 U	< 170 U	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	270	180	130	100 J	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	500	330	270	390	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	563	1040	996	929	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	2.8	2.6	3.8	3	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	3.5	**5.4**	**28**	**35**	**33**	< 10 U	< 0.82 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.21 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.23 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**15**	**20**	**16**	**20**	**21**	**20**	< 0.38 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 1 U	1.2	< 10 U	< 10 U	< 10 U	< 10 U	< 0.29 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.21 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	-	< 1 U	-	< 10 U	< 10 U	< 10 U	< 0.72 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	-	< 1 U	< 1 U	-
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 10 U	< 100 U	< 100 U	< 100 U	< 100 U	< 1.3 U	< 5 U	< 25 U	< 25 U	< 25 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 50 U	< 50 U	< 50 U	< 50 U	< 1.2 U	< 5 U	< 25 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2.1 U	< 5 U	< 25 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 10 U	< 10 U	< 100 U	< 100 U	< 100 U	< 100 U	< 3 U	< 5 U	< 25 U	< 5 U	< 5 U	< 5 U	2.5	3.7 J	4.5 J	< 10 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.41 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.3**	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.39 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.26 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.69 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	1.7	0.97	1.2	7.2	6.9	1.3	3.4	0.45 J	< 1 U	0.22 J	< 1 U

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Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-02(3)	87-04(0)
	Sample Date		10/13/2020	3/16/2021	10/6/2021	3/18/2022	10/5/2022	10/23/2024	10/30/2014	5/18/2015	6/25/2015	10/21/2015	4/28/2016	10/20/2016	10/30/2018	10/13/2020	10/5/2022	10/23/2024	12/16/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.27 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.75 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.32 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.34 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.35 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**75**	**540**	**390**	**280**	**400**	**330**	< 0.81 U	< 1 U	< 5 U	0.47	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.36 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.32 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.74 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	36	-	20	-	-	-	-	-	-	-	-	-	-	< 1 U	-	-	< 1 U
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 20 U	< 20 U	< 20 U	< 20 U	< 0.66 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	< 1 U	**6.6**	< 10 U	**6.5 J**	**72**	**8.2 J**	< 0.44 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.76 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.73 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.36 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.51 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	2.8	2.7	< 10 U	< 10 U	< 10 U	**9 J**	< 0.9 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.37 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	**17**	**26**	**16**	**17**	**10**	**13**	< 0.46 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**7.4**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**94**	**300**	**220**	**240**	**260**	**970**	< 0.9 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	NV	< 2 U	-	-	-	-	-	-	-	-	-	-	-	-	< 2 U	-	-	< 2 U

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
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VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-05(1)	87-05(1)	87-05(1)	87-05(1)
	Sample Date		5/22/2017	12/12/2018	1/16/2020	5/27/2020	8/21/2020	3/18/2021	10/13/2021	3/23/2022	10/12/2022	3/16/2023	10/18/2023	3/28/2024	10/24/2024	5/23/2017	12/10/2018	3/21/2022	10/6/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	0.5	0.46	0.48	1.35	0.27	0.31	0	0.25	0.59	0.26	0.52	-	-	0.81	19
Oxidation Reduction Potential	mV	NV	-	-	-318.2	-339.9	-347.6	-365.9	-364.8	-532.2	-320.5	-306.4	-333.2	-473.2	-456.1	-	-	-350.9	-298
pH	SU	NV	-	-	6.67	7.32	6.57	8.29	6.67	6.53	5.85	6.3	6.23	6.51	6.22	-	-	7.48	6.71
Specific Conductivity	mS/cm	NV	-	-	2.317	2.749	2.437	1.62	2.062	3.42	3.099	2.764	2.717	3.516	8.546	-	-	2.26	3.492
Temperature	Deg C	NV	-	-	9.84	13.25	15.1	10	15	8.8	14.9	11	14.6	11.2	13.1	-	-	11.7	16.2
GASES																			
Ethane	ug/L	NV	-	-	< 83 U	< 170 U	< 83 U	3.3 J	< 330 U	< 170 U	< 41 U	< 83 U	< 83 U	< 7.5 U	< 830 U	-	-	< 7.5 U	< 330 U
Ethylene	ug/L	NV	-	-	260	260	240	150	210 J	320	35 J	36 J	150	20	200 J	-	-	76	1100
Methane	ug/L	NV	-	-	530	390	310	970	1700	1700	180	320	680	1700	1300	-	-	280	3200
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	413	708	520	490	80.2	126	519	814	422	464	594 B	-	-	5.6 J	804
Total organic carbon	mg/L	NV	-	-	93.4	28.2	44.8	50.2	183	698	1100	679	18.4	652	2200	-	-	57.7	72.8
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	**140**	**23 J**	< 20 U	**50**
1,1,2,2-Tetrachloroethane	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
1,1,2-Trichloroethane	ug/L	1	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
1,1-Dichloroethane	ug/L	5	2.9	**6.8 J**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	**42 J**	**23 J**	**23**	**120**
1,1-Dichloroethene	ug/L	5	2.9	**26**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	**23 J**	< 20 U	**19 J**
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 100 U	< 25000 U	< 25000 U	< 25000 U	< 25000 U	< 25000 U	< 5000 U	< 5000 U	< 5000 U	< 2000 U	< 2000 U	< 10000 U	< 250 U	< 250 U	< 200 U	< 200 U
2-Hexanone	ug/L	50	< 10 U	< 100 U	< 13000 U	< 13000 U	< 13000 U	< 13000 U	< 13000 U	< 2500 U	< 2500 U	< 2500 U	< 1000 U	< 1000 U	< 5000 U	< 250 U	< 250 U	< 100 U	< 100 U
4-Methyl-2-pentanone	ug/L	NV	< 10 U	< 100 U	< 13000 U	< 13000 U	< 13000 U	< 13000 U	< 13000 U	< 2500 U	< 2500 U	< 2500 U	< 1000 U	< 1000 U	< 5000 U	< 250 U	< 250 U	< 100 U	< 100 U
Acetone	ug/L	50	< 10 U	< 100 U	< 25000 U	< 25000 U	< 25000 U	< 25000 U+	< 25000 U	< 5000 U	< 5000 U	< 5000 U	< 2000 U	< 2000 U	< 10000 U	< 250 U	< 250 U	**87 J**	< 200 U+
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Bromodichloromethane	ug/L	50	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Bromoform	ug/L	50	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Bromomethane	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	**210**	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Carbondisulfide	ug/L	60	< 2 U	**100**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	**100 J**	< 200 U	< 200 U	< 1000 U	< 50 U	**72**	6.7 J	27

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-05(1)	87-05(1)	87-05(1)	87-05(1)
	Sample Date		5/22/2017	12/12/2018	1/16/2020	5/27/2020	8/21/2020	3/18/2021	10/13/2021	3/23/2022	10/12/2022	3/16/2023	10/18/2023	3/28/2024	10/24/2024	5/23/2017	12/10/2018	3/21/2022	10/6/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Chlorobenzene	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Chloroethane	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Chloroform (trichloromethane)	ug/L	7	0.8 J	**22**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Chloromethane	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	**300**	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
cis-1,2-Dichloroethene	ug/L	5	**290**	**1600**	< 2500 U	< 2500 U	< 2500 U	**2400 J**	< 2500 U	**860**	**1000**	**1100**	**1600**	< 200 U	**2100**	**6900**	**7200**	**200**	**5900**
cis-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Dibromochloromethane	ug/L	50	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 4 U	< 40 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 1000 U	< 1000 U	< 1000 U	< 400 U	< 400 U	< 2000 U	< 100 U	< 100 U	< 40 U	< 40 U
Methylene chloride	ug/L	5	**31**	**64000 D**	**71000**	**110000**	**89000**	**180000**	**83000**	**26000**	**32000**	**22000**	**8300**	**57000**	**11000**	**2100**	< 50 U	**19 J**	**760**
o-Xylene	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Styrene	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Tetrachloroethene	ug/L	5	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Toluene	ug/L	5	< 2 U	**5.8 J**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	**12 J**	**12 J**	< 20 U	< 20 U
trans-1,2-Dichloroethene	ug/L	5	3.6	**28**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	**31 J**	< 20 U	< 20 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 20 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U	< 50 U	< 50 U	< 20 U	< 20 U
Trichloroethene	ug/L	5	**36**	**770**	**1200 J**	**1300 J**	< 2500 U	**1900 J**	**1400 J**	**510**	**1200**	**590**	**730**	**100 J**	**940 J**	**1300**	**670**	**25**	**370**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**210**	**980**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	**510**	< 500 U	< 500 U	**1100**	< 200 U	**1400**	**460**	**1900**	**74**	**2100**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)
	Sample Date		10/30/2014	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/13/2018	1/15/2020	5/27/2020	8/20/2020	10/14/2020	3/18/2021	10/11/2021	3/22/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	0.61	3.41	1.88	0.72	2.72	4	-	0.81	0.54	0.52	0.37	-	1.5	3.55	-
Oxidation Reduction Potential	mV	NV	-	-	-51.8	-105.9	-119.7	-266.2	-222.6	-265.3	-	-342.6	-277.3	-321.6	-334.3	-	-264.3	-317.6	-
pH	SU	NV	-	-	7.46	7.2	8.18	7.55	7.18	6.18	7.22	7.47	7.11	7.74	6.89	-	7.34	7.29	-
Specific Conductivity	mS/cm	NV	-	-	1.35	0.965	0.974	1.061	0.962	1.064	0.893	1.226	1.197	1.243	1.322	-	0.683	0.861	-
Temperature	Deg C	NV	-	-	11.8	8.66	9.43	7.48	10.23	12.6	12.22	11.5	10.5	10.97	12	-	9.42	14.2	-
GASES																			
Ethane	ug/L	NV	-	-	< 1 U	< 1 U	< 4 U	< 5.2 U	< 5.2 U	< 5.2 U	-	< 5.2 U	< 170 U	< 7.5 U	< 7.5 U	-	< 7.5 U	< 7.5 U	< 83 U
Ethylene	ug/L	NV	-	-	20	69	130	170	380	640 D	-	610 D	1000	650	590	-	490	650	140
Methane	ug/L	NV	-	-	23	15	15	36	69	250	-	630 D	1900	2000	1600	-	2200	2000	2900
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	0.389	0.431	0.476	0.545	0.455	0.416	-	0.455	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	0.389	0.433	0.426	0.511	0.46	0.916	-	0.431	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	0.0232	0.0135	0.0161	0.0214	0.0225	0.0562	-	0.0219	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	0.00026	< 0.0001 U	0.00016	< 0.0001 U	0.00014	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	-	< 0.001 U	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	0.348	0.122	0.0961	0.0753	0.305	0.255	-	0.135	143	180	300	-	210	273	195
Total organic carbon	mg/L	NV	-	-	0.0036	0.0505	0.0458	0.0471	0.0041	0.0034	-	0.0039	2.4	3.6	3.3	-	2.4	2	2.5
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 8.2 U	0.77 J	2.6	3.5 J	**6.1 J**	**8 J**	1.9 J	**8.6**	**8.5 J**	**9.3**	< 20 U	< 20 U	**52**	< 10 U	**9 J**	< 10 U	< 40 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 2.1 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
1,1,2-Trichloroethane	ug/L	1	< 2.3 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
1,1-Dichloroethane	ug/L	5	< 3.8 U	1.7	4.7	**6.4**	**15**	**20**	**6.6**	**15**	**24**	**16**	**22**	**22**	**67**	**13**	**15**	**21**	**25 J**
1,1-Dichloroethene	ug/L	5	< 2.9 U	1.9	4.2	4.2 J	**8.4 J**	**9 J**	0.94 J	3.7	**6.2 J**	2.7 J	< 20 U	< 20 U	**28**	< 10 U	**5.7 J**	3.4 J	**12 J**
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 2.1 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 7.2 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	-	< 10 U	< 10 U	< 40 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 13 U	< 5 U	< 13 U	< 25 U	< 50 U	< 50 U	< 13 U	4 J	< 50 U	< 25 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 100 U	< 400 U
2-Hexanone	ug/L	50	< 12 U	< 5 U	< 13 U	< 25 U	< 50 U	< 50 U	< 13 U	< 13 U	< 50 U	< 25 U	< 100 U	< 100 U	< 100 U	< 50 U	< 50 U	< 50 U	< 200 U
4-Methyl-2-pentanone	ug/L	NV	< 21 U	< 5 U	< 13 U	< 25 U	< 50 U	< 50 U	< 13 U	< 13 U	< 50 U	< 25 U	< 100 U	< 100 U	< 100 U	< 50 U	< 50 U	< 50 U	< 200 U
Acetone	ug/L	50	< 30 U	< 5 U	4.5 J	9.3 J	< 50 U	< 50 U	6.3 J	11 J	< 50 U	< 25 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U+	< 100 U+	< 400 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 4.1 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	0.53 J	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Bromodichloromethane	ug/L	50	< 3.9 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Bromoform	ug/L	50	< 2.6 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Bromomethane	ug/L	5	< 6.9 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 UF2	< 10 U	< 10 U	< 40 U
Carbondisulfide	ug/L	60	< 1.9 U	0.23	< 2.5 U	12	12	17	6.6	11	**61**	21	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)
	Sample Date		10/30/2014	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/13/2018	1/15/2020	5/27/2020	8/20/2020	10/14/2020	3/18/2021	10/11/2021	3/22/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 2.7 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Chlorobenzene	ug/L	5	< 7.5 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Chloroethane	ug/L	5	< 3.2 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Chloroform (trichloromethane)	ug/L	7	< 3.4 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Chloromethane	ug/L	5	< 3.5 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U+	< 40 U
cis-1,2-Dichloroethene	ug/L	5	**460**	**300 D**	**720 D**	**780**	**1500**	**1800**	**160**	**500**	**660**	**590**	**670**	**1300**	**5800**	**680 F1**	**890**	**670**	**2800**
cis-1,3-Dichloropropene	ug/L	0.4	< 3.6 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Dibromochloromethane	ug/L	50	< 3.2 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 7.4 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-
m,p-xylene	ug/L	5	< 6.6 U	< 2 U	< 5 U	< 10 U	< 20 U	< 20 U	< 5 U	< 5 U	< 20 U	< 10 U	< 40 U	< 40 U	< 40 U	< 20 U	< 20 U	< 20 U	< 80 U
Methylene chloride	ug/L	5	< 4.4 U	< 1 U	< 2.5 U	**14**	**190**	**110**	< 2.5 U	**1100 D**	**290**	< 5 U	< 20 U	**69**	**1600**	**100**	< 10 U	< 10 U	< 40 U
o-Xylene	ug/L	5	< 7.6 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Styrene	ug/L	5	< 7.3 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Tetrachloroethene	ug/L	5	< 3.6 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
Toluene	ug/L	5	< 5.1 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	0.95 J	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 40 U
trans-1,2-Dichloroethene	ug/L	5	< 9 U	1.6	3.4	3.9 J	**9 J**	**9.7 J**	3.8	**6.6**	**8.8 J**	**7.3**	< 20 U	< 20 U	**20**	< 10 U	**12**	**12**	< 40 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 3.7 U	< 1 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 UF1	< 10 U	< 10 U	< 40 U
Trichloroethene	ug/L	5	4.7	3.5	**7**	**39**	**37**	**32**	**6.1**	**700 D**	**46**	**12**	**22**	**42**	**84**	5 J	**42**	**7.7 J**	< 40 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**140**	**72**	**190**	**500**	**1200**	**1300**	**360**	**640 D**	**810**	**680**	**660**	**750**	**1800**	**410 F1**	**680**	**890**	**950**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	< 20 U	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-08(1)	87-08(1)	87-08(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-10(0)	87-10(0)	87-10(0)	87-10(0)	87-10(0)	87-10(0)
	Sample Date		3/22/2022	10/10/2022	10/24/2024	5/22/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	12/12/2018	10/30/2014	10/20/2016	10/31/2018	10/13/2020	10/5/2022	10/22/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.34	0	0.8	-	2.75	3.1	2.94	0.46	6.73	0.2	1.24	-	-	-	-	2.32	5.55
Oxidation Reduction Potential	mV	NV	-159.7	163.1	-241.6	-	-91	-174.5	-16.3	-109.4	-162.8	-177.7	-91.1	-	-	-	-	43	-11.8
pH	SU	NV	7.41	6.89	7.17	-	7.2	7.3	8.07	7.6	7.19	6.65	6.17	-	-	-	-	6.99	7.38
Specific Conductivity	mS/cm	NV	0.82	1.117	2.793	-	2.422	2.091	2.167	2.195	1.882	2.219	1.625	-	-	-	-	0.00191	1.9
Temperature	Deg C	NV	8.7	12.4	12.7	-	14.05	11.37	11.53	9.8	13.04	15.12	13.37	-	-	-	-	19.41	17
GASES																			
Ethane	ug/L	NV	< 83 U	< 170 U	-	-	1.4	1.6	1.6	< 1 U	1.6	1.8	1.6	-	-	-	-	-	-
Ethylene	ug/L	NV	150	< 150 U	-	-	10	11	11	8	12	16	14	-	-	-	-	-	-
Methane	ug/L	NV	3300	1300	-	-	84	64	65	47	79	110 D	84	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	0.307	0.287	0.298	0.296	0.314	0.291	0.273	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	0.307	0.281	0.267	0.275	0.316	0.387	0.609	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	0.134	0.116	0.133	0.159	0.129	0.131	0.122	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	-	-	-	-	-	-
Sulfate	mg/L	NV	193	377	-	-	0.972	0.991	0.988	0.879	1.08	1.05	0.92	-	-	-	-	-	-
Total organic carbon	mg/L	NV	2.6	3.4	-	-	0.0033	0.0034	0.0036	0.0047	0.0035	0.0034	0.0034	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**31**	< 4 U	< 4 U	**85**	**110**	**79**	**88**	**83**	**81**	**72**	**58**	1.4	0.68	0.44	< 1 U	< 1 U	**10**
1,1,2,2-Tetrachloroethane	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.23 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**24**	2.5 J	4.6	**16**	**20**	**17**	**19**	**16**	**16**	**18**	**14**	3.3	1.8	1.3	0.42 J	1.6	2.5
1,1-Dichloroethene	ug/L	5	**12 J**	< 4 U	2.4 J	1.5 J	2.1	1.4 J	1.3	1.2 J	1.1	1.4	1.2	< 0.29 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.72 U	< 1 U	< 1 U	-	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 200 U	< 40 U	< 40 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 1.3 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 100 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 1.2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 100 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 2.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 200 U	< 40 U	< 40 U	4.1 J	< 10 U	2.5 J	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 3 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.41 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.39 U	< 1 U	< 1 U	< 1 U	< 1 U	0.53 J
Bromoform	ug/L	50	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.69 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 20 U	< 4 U	< 4 U	< 2 U	0.61 J	2.2	1.1 B	< 2 U	1.4	1.4	1.8	0.54	0.27	< 1 U	< 1 U	< 1 U	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-08(1)	87-08(1)	87-08(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-09(1)	87-10(0)	87-10(0)	87-10(0)	87-10(0)	87-10(0)	87-10(0)
	Sample Date		3/22/2022	10/10/2022	10/24/2024	5/22/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	12/12/2018	10/30/2014	10/20/2016	10/31/2018	10/13/2020	10/5/2022	10/22/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.27 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.75 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	2.1	1.8	1.1	2.7	0.69 J	4.5
Chloromethane	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.35 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**2200**	**210**	**520**	**150**	**170**	**130**	**150**	**130**	**130**	**150**	**150**	**8.4**	4.7	**6**	3.1	3.4	**5.7**
cis-1,3-Dichloropropene	ug/L	0.4	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.74 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1 U	-	-
m,p-xylene	ug/L	5	< 40 U	< 8 U	< 8 U	< 4 U	< 4 U	< 4 U	< 2 U	< 4 U	< 2 U	< 2 U	< 2 U	< 0.66 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	**13 J**	< 4 U	**7.1**	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.44 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.76 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.73 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.51 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 20 U	< 4 U	< 4 U	1.4 J	2.1	1.6 J	1.7	1.3 J	1.4	1.7	1.7	< 0.9 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 20 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 0.37 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	**16 J**	< 4 U	< 4 U	1.7 J	2.2	2.1	2.1	2.1	1.6	3.2	1.8	1.6	1.2	1.1	0.65 J	1.2	0.72 J
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**950**	**150**	**190**	**190**	**210**	**200**	**190 D**	**170**	**150**	**200**	**170**	< 0.9 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 2 U	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-11(1)	87-11(1)	87-11(1)	87-11(1)
	Sample Date		5/23/2017	12/10/2018	3/27/2019	8/18/2020	3/16/2021	10/4/2021	10/4/2021	3/21/2022	10/5/2022	3/15/2023	10/16/2023	3/24/2024	10/22/2024	11/16/2017	12/13/2018	3/28/2019	3/22/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	1.67	-	0.57	1.05	-	0.09	0.3	0	2.17	0.26	28.25	0.86	-	1.17	-	0.22
Oxidation Reduction Potential	mV	NV	-	-264	-357.7	-295.1	-299.4	-	-309.4	-301.6	-301	-322.5	-268.8	-274.2	-382.1	-	-304.4	-351.6	-314.1
pH	SU	NV	-	7.56	6.77	7.01	7.08	-	7.01	7.11	6.62	7.19	6.15	8.9	7.12	6.41	5.92	6.44	6.61
Specific Conductivity	mS/cm	NV	-	1.908	2.191	2.664	2.06	-	2.904	2.729	0.00333	2.301	2.297	2.995	6.374	3.079	1.277	1.276	1.415
Temperature	Deg C	NV	-	12.81	11.35	15.9	10.83	-	16.4	11.1	18.96	10.1	15.1	8.82	16.2	11.26	11.26	10.75	10.5
GASES																			
Ethane	ug/L	NV	-	-	< 7.5 U	< 83 U	< 83 U	-	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	< 83 U	1.5 J	-	-	< 170 U	< 83 U
Ethylene	ug/L	NV	-	-	180	290	250	-	220	250	260	230	210	150	180	-	-	590	820
Methane	ug/L	NV	-	-	60	150	130	-	96	180	180	150	140	110	120	-	-	2000	3500
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	358	-	-	-	-	-	-	-	-	-	-	-	-	164	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	0.058	-	-	-	-	-	-	-	-	-	-	-	-	0.081	-
Sulfate	mg/L	NV	-	-	836	1000	1220	-	1240	1190	1200	1150	1070	1190	1240 B	-	-	99.3	9.2 J
Total organic carbon	mg/L	NV	-	-	2.9	3.2	3.4	-	2.8	3.7	3.1	3.1 B	2.3	2.5	< 1 U	-	-	59	114
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	3.6 J	**36**	< 50 U	< 50 U	**27**	< 100 U	**27**	**38**	**36**	**35**	**27**	**22**	**22**	**53**	< 50 U	< 200 U	< 100 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
1,1,2-Trichloroethane	ug/L	1	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
1,1-Dichloroethane	ug/L	5	2.3 J	**17**	< 50 U	< 50 U	**18 J**	< 100 U	**18 J**	**24**	**20**	**19**	**16**	**15**	**14**	**33 J**	**14 J**	< 200 U	< 100 U
1,1-Dichloroethene	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	**6.9 J**	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	-	-	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 25 U	< 50 U	< 500 U	< 500 U	< 200 U	< 1000 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 100 U	< 100 U	< 250 U	< 250 U	< 2000 U	< 1000 U
2-Hexanone	ug/L	50	< 25 U	< 50 U	< 250 U	< 250 U	< 100 U	< 500 U	< 100 U	< 100 U	< 100 U	< 50 U	< 50 U	< 50 U	< 50 U	< 250 U	< 250 U	< 1000 U	< 500 U
4-Methyl-2-pentanone	ug/L	NV	< 25 U	< 50 U	< 250 U	< 250 U	< 100 U	< 500 U	< 100 U	< 100 U	< 100 U	< 50 U	< 50 U	< 50 U	< 50 U	< 250 U	< 250 U	< 1000 U	< 500 U
Acetone	ug/L	50	6.5 J	< 50 U	< 500 U	< 500 U	< 200 U	< 1000 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 100 U	< 100 U	< 250 U	< 250 U	< 2000 U	< 1000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Bromodichloromethane	ug/L	50	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Bromoform	ug/L	50	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Bromomethane	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Carbondisulfide	ug/L	60	< 5 U	26	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	**81**	< 200 U	19 J

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-11(1)	87-11(1)	87-11(1)	87-11(1)
	Sample Date		5/23/2017	12/10/2018	3/27/2019	8/18/2020	3/16/2021	10/4/2021	10/4/2021	3/21/2022	10/5/2022	3/15/2023	10/16/2023	3/24/2024	10/22/2024	11/16/2017	12/13/2018	3/28/2019	3/22/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Chlorobenzene	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Chloroethane	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Chloroform (trichloromethane)	ug/L	7	1.4 J	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	**18 J**	< 50 U	< 200 U	< 100 U
Chloromethane	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 UF1	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
cis-1,2-Dichloroethene	ug/L	5	**130**	**1100**	**1900**	**5000**	**780**	**2500**	**2900**	**730**	**810**	**280**	**270**	**180**	**180**	**2500**	**120**	**160 J**	**370**
cis-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Dibromochloromethane	ug/L	50	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Freon 113	ug/L	NV	-	-	-	-	-	< 100 U	39	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 10 U	< 20 U	< 100 U	< 100 U	< 40 U	< 200 U	< 40 U	< 40 U	< 40 U	< 20 U	< 20 U	< 20 U	< 20 U	< 100 U	< 100 U	< 400 U	< 200 U
Methylene chloride	ug/L	5	< 5 U	**5.2 J**	**22 J**	**44 J**	< 20 U	**83 J**	**23**	**20**	< 20 U	**8.2 J**	< 10 U	< 10 U	**5.9 J**	**11000 D**	**8000**	**12000 F1**	**4300**
o-Xylene	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Styrene	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Tetrachloroethene	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Toluene	ug/L	5	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
trans-1,2-Dichloroethene	ug/L	5	< 5 U	**7.4 J**	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	**14 J**	< 200 U	< 100 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U	< 200 U	< 100 U
Trichloroethene	ug/L	5	**890**	**89**	**610**	**110**	**37**	**84 J**	**82**	**90**	**75**	**59**	**13**	**12**	**5.7 J**	**76**	**31 J**	< 200 U	**130**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**12**	**410**	**400**	**770**	**510**	**680**	**760**	**720**	**940**	**430**	**410**	**270**	**240**	**1500**	**250**	**280**	**480**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-11(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)
	Sample Date		10/12/2022	5/23/2017	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/26/2019	1/13/2020	5/21/2020	8/17/2020	3/16/2021	10/5/2021	3/23/2022	10/4/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0	-	1.59	1.43	0.14	0.06	0.82	0	1.47	0.84	0.16	0.59	0.41	0.83	0.09	1.11	0
Oxidation Reduction Potential	mV	NV	-452.2	-	-71.3	-292.2	-89	-191.6	-320.2	-298.1	-337.9	-311.6	-255.3	-209.4	-303.4	-267.1	-308.2	-248	-301.7
pH	SU	NV	6.06	-	6.85	7.13	7.96	7.72	6.85	6.9	7.37	6.65	6.9	6.96	7	6.97	6.97	7.05	6.66
Specific Conductivity	mS/cm	NV	1.764	-	2.459	2.36	2.16	2.522	1.727	2.273	2.824	2.715	2.606	3.504	2.605	2.01	2.551	2.48	2.64
Temperature	Deg C	NV	12.9	-	14.9	11.66	11.18	8.94	13.44	18.71	12.21	10.82	11.92	11.54	16.4	11.7	16.6	10.3	16.11
GASES																			
Ethane	ug/L	NV	< 660 U	-	4.2	3.6	< 1 U	< 5.2 U	< 5.2 U	< 5.2 U	5.2	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	< 83 U	< 7.5 U	< 83 U	< 170 U
Ethylene	ug/L	NV	780	-	42	310	160	270	310	390	590 D	610	530	490	430	290	380	540	420
Methane	ug/L	NV	8700	-	54	47	21	46	130	56	150	190	240	190	440	180	300	330	360
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	0.26	0.466	0.212	0.38	0.357	0.34	0.251	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	0.276	0.479	0.192	0.349	0.415	0.385	0.242	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	0.154	0.329	0.429	0.302	0.191	0.169	0.254	343	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.05 U	-	-	-	-	-	-	-
Sulfate	mg/L	NV	21.2	-	0.954	0.55	0.312	0.8	0.763	0.523	0.832	961	858	1080	882	1180	980	1030	1090
Total organic carbon	mg/L	NV	160	-	0.003	0.0101	0.003	0.0051	0.0035	0.0034	0.0037	2.3	2.3	2.7	3.1	2.8	3	3.2	2.8
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 100 U	**30**	**32**	**29**	**15**	**28**	**31**	**16**	**30**	< 50 U	< 50 U	< 50 U	**62**	< 80 U	**55**	< 25 U	**42**
1,1,2,2-Tetrachloroethane	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
1,1,2-Trichloroethane	ug/L	1	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
1,1-Dichloroethane	ug/L	5	< 100 U	**19**	**29**	**24**	**14**	**25**	**27**	**13**	**27**	**33 J**	**36 J**	**39 J**	**71**	**36 J**	**57**	**35**	**71**
1,1-Dichloroethene	ug/L	5	< 100 U	**7.2 J**	< 20 U	< 10 U	< 10 U	< 20 U	**5.2 J**	< 2 U	4	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	-	< 25 U	< 25 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 1000 U	< 50 U	< 100 U	< 50 U	< 50 U	< 100 U	< 50 U	< 10 U	< 10 U	< 500 U	< 500 U	< 500 U	< 500 U	< 800 U	< 500 U	< 250 U	< 250 U
2-Hexanone	ug/L	50	< 500 U	< 50 U	< 100 U	< 50 U	< 50 U	< 100 U	< 50 U	< 10 U	< 10 U	< 250 U	< 250 U	< 250 U	< 250 U	< 400 U	< 250 U	< 130 U	< 130 U
4-Methyl-2-pentanone	ug/L	NV	< 500 U	< 50 U	< 100 U	< 50 U	< 50 U	< 100 U	< 50 U	< 10 U	< 10 U	< 250 U	< 250 U	< 250 U	< 250 U	< 400 U	< 250 U	< 130 U	< 130 U
Acetone	ug/L	50	< 1000 U	< 50 U	< 100 U	< 50 U	< 50 U	< 100 U	< 50 U	< 10 U	< 10 U	< 500 U	< 500 U	< 500 U	< 500 U	< 800 U	< 500 U	< 250 U	< 250 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Bromodichloromethane	ug/L	50	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Bromoform	ug/L	50	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Bromomethane	ug/L	5	< 100 U	< 10 U	**6.2 J**	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Carbondisulfide	ug/L	60	< 100 U	< 10 U	< 20 U	31	12	23	21	4.3	10	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-11(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)
	Sample Date		10/12/2022	5/23/2017	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/26/2019	1/13/2020	5/21/2020	8/17/2020	3/16/2021	10/5/2021	3/23/2022	10/4/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Chlorobenzene	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Chloroethane	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Chloroform (trichloromethane)	ug/L	7	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Chloromethane	ug/L	5	< 100 U	< 10 U	**5.2 J**	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
cis-1,2-Dichloroethene	ug/L	5	**270**	**2200 D**	**3000**	**970**	**700**	**1300**	**1200**	**54**	**1100 D**	**840**	**910**	**1400**	**4900**	**2700**	**4600**	**880**	**2500**
cis-1,3-Dichloropropene	ug/L	0.4	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Dibromochloromethane	ug/L	50	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-
m,p-xylene	ug/L	5	< 200 U	< 20 U	< 40 U	< 20 U	< 20 U	< 40 U	< 20 U	< 4 U	0.46 J	< 100 U	< 100 U	< 100 U	< 100 U	< 160 U	< 100 U	< 50 U	< 50 U
Methylene chloride	ug/L	5	**6400**	< 10 U	< 20 U	**84**	< 10 U	< 20 U	**410**	< 2 U	< 2 U	< 50 U	< 50 U	**55**	< 50 U	< 80 U	**22 J**	**40**	< 25 U
o-Xylene	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	0.4 J	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Styrene	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Tetrachloroethene	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Toluene	ug/L	5	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	0.54 J	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
trans-1,2-Dichloroethene	ug/L	5	< 100 U	**8.7 J**	**12 J**	**7.3 J**	**5.7 J**	**7.2 J**	**7.4 J**	2.4	**7.5**	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 25 U
Trichloroethene	ug/L	5	**120**	**14**	**18 J**	**17**	**13**	**33**	**76**	**5.6**	**32**	**28 J**	**36 J**	**34 J**	**98**	**54 J**	**50**	**22 J**	**40**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**520**	**1700**	**2300**	**1400**	**1200**	**2200**	**1100**	**180**	**1500 D**	**1900**	**1500**	**1700**	**2600**	**2700**	**2100**	**1100**	**3400**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-13(0)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)
	Sample Date		12/17/2024	5/22/2017	11/14/2017	1/23/2018	1/24/2018	2/27/2018	2/28/2018	3/20/2018	3/21/2018	6/20/2018	9/20/2018	12/12/2018	3/27/2019	1/17/2020	5/26/2020	8/21/2020	3/22/2021
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.5	-	0.79	-	0.54	-	0.62	-	0.11	1.82	-	5.55	-	0.78	0.78	0.74	2.73
Oxidation Reduction Potential	mV	NV	-202.7	-	-62	-	-245.8	-	-213.5	-	-255.5	-270	-257.4	-263.8	-347.5	-292.2	-312.3	-302.1	-287.4
pH	SU	NV	8.62	-	7.21	-	6.65	-	7.87	-	6.99	6.47	5.66	5.44	6.1	6.41	6.5	6.23	6.27
Specific Conductivity	mS/cm	NV	0.913	-	1.321	-	2.725	-	3.202	-	3.232	2.978	3.425	3.889	3.219	4.986	5.109	4.742	3.14
Temperature	Deg C	NV	11.91	-	13.9	-	10.78	-	11.37	-	8.76	12.16	15.42	13.27	12.31	11.4	14.53	15.8	13.05
GASES																			
Ethane	ug/L	NV	-	-	3.9	-	6.3	-	140	-	7.4	8.9	6.2	5.7	20 H	9 J	< 83 U	< 83 U	10 J
Ethylene	ug/L	NV	-	-	150 D	-	110	-	130	-	210	150	83	170	270 H	210	230	130	260
Methane	ug/L	NV	-	-	520 D	-	130	-	7.5	-	200	180	130	150	240 H	280	240	120	230
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	0.34	-	0.922	-	0.941	-	0.935	1	1	0.794	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	0.351	-	1.22	-	0.853	-	1.01	1.56	5.28	6.46	-	-	-	-	-
Chloride	mg/L	NV	-	-	0.233	-	0.287	-	0.321	-	0.35	0.448	0.451	0.503	555	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	0.00024	-	0.0031	-	< 0.0001 U	-	< 0.0001 U	0.00016	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	< 0.001 U	-	< 0.001 U	-	< 0.001 U	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.33	-	-	-	-
Sulfate	mg/L	NV	-	-	0.785	-	0.451	-	0.612	-	0.579	0.547	0.472	0.798	840	899	925	956	856
Total organic carbon	mg/L	NV	-	-	0.0032	-	0.0107	-	0.32	-	0.247	0.27	0.181	0.138	132 B	189	205	129	180
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 2 U	**1100**	**1100**	**3300**	**3300**	**1600**	**1600 D**	**2000**	**2000**	**1700**	< 1000 U	**2000**	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
1,1,2-Trichloroethane	ug/L	1	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
1,1-Dichloroethane	ug/L	5	< 2 U	**320 J**	**130 J**	**280**	**280**	**360**	**360 J**	**520**	**520 J**	**570 J**	< 1000 U	**1100**	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
1,1-Dichloroethene	ug/L	5	< 2 U	< 500 U	**120 J**	**210**	**210**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**530 J**	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	-	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	8.6 J	< 2500 U	< 1000 U	< 1000 U	< 1000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 80000 U	< 80000 U	< 80000 U	< 50000 U	< 80000 U
2-Hexanone	ug/L	50	< 10 U	< 2500 U	< 1000 U	< 1000 U	< 1000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 40000 U	< 40000 U	< 40000 U	< 25000 U	< 40000 U
4-Methyl-2-pentanone	ug/L	NV	< 10 U	< 2500 U	< 1000 U	< 1000 U	< 1000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 40000 U	< 40000 U	< 40000 U	< 25000 U	< 40000 U
Acetone	ug/L	50	< 20 U	< 2500 U	< 1000 U	< 1000 U	< 1000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 80000 U	< 80000 U	< 80000 U	< 50000 U	< 80000 U+
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Bromodichloromethane	ug/L	50	< 2 U	**230**	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Bromoform	ug/L	50	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Bromomethane	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Carbondisulfide	ug/L	60	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**1100**	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U

Table 8
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Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-13(0)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)
	Sample Date		12/17/2024	5/22/2017	11/14/2017	1/23/2018	1/24/2018	2/27/2018	2/28/2018	3/20/2018	3/21/2018	6/20/2018	9/20/2018	12/12/2018	3/27/2019	1/17/2020	5/26/2020	8/21/2020	3/22/2021
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Chlorobenzene	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Chloroethane	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Chloroform (trichloromethane)	ug/L	7	< 2 U	**1200**	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Chloromethane	ug/L	5	< 2 U	< 500 U	**46 J**	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
cis-1,2-Dichloroethene	ug/L	5	< 2 U	**80000**	**19000**	**36000**	**36000**	**38000**	**38000 D**	**42000**	**42000**	**44000**	**91000**	**110000**	**160000**	**170000**	**180000**	**170000**	**250000**
cis-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Dibromochloromethane	ug/L	50	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Freon 113	ug/L	NV	< 2 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 4 U	< 1000 U	< 400 U	< 400 U	< 400 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 16000 U	< 16000 U	< 16000 U	< 10000 U	< 16000 U
Methylene chloride	ug/L	5	< 2 U	**94000 D**	**3500**	**17000**	**17000**	**87000**	**87000 D**	**120000**	**120000**	**490000 D**	**1000000**	**560000 D**	**600000**	**780000**	**630000**	**760000**	**570000**
o-Xylene	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Styrene	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Tetrachloroethene	ug/L	5	< 2 U	< 500 U	< 200 U	**310**	**310**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Toluene	ug/L	5	< 2 U	< 500 U	< 200 U	**160**	**160 J**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
trans-1,2-Dichloroethene	ug/L	5	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**330 J**	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 500 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Trichloroethene	ug/L	5	< 2 U	**40000**	**17000**	**120000**	**120000 D**	**65000**	**65000 D**	**84000**	**84000**	**88000**	**170000**	**140000**	**200000**	**210000**	**220000**	**240000**	**350000**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 2 U	**3000**	**1300**	**1600**	**1600**	**2200**	**2200 D**	**2400**	**2400**	**1400**	< 1000 U	**2500**	< 8000 U	< 8000 U	< 8000 U	< 5000 U	< 8000 U
Xylene (total)	ug/L	NV	< 4 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
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FD = Field Duplicate Sample
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VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)
Sample Date			10/13/2021	3/23/2022	10/13/2022	3/17/2023	10/19/2023	3/28/2024	10/25/2024	10/30/2014	5/18/2015	6/25/2015	10/22/2015	4/28/2016	10/20/2016	10/31/2018	10/15/2020	10/12/2022	10/25/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.47	0.32	0	0.14	0.21	0.09	0.85	-	-	-	-	-	-	-	-	0	0.88
Oxidation Reduction Potential	mV	NV	-331.2	-212.6	-199.4	-352.4	-569.8	-263.9	-242.3	-	-	-	-	-	-	-	-	-346.8	-128.9
pH	SU	NV	6.48	7.78	6.89	8.96	8.87	9.16	7.93	-	-	-	-	-	-	-	-	7.16	6.81
Specific Conductivity	mS/cm	NV	3.893	2.46	1.895	1.294	1.405	1.715	2.06	-	-	-	-	-	-	-	-	2.157	2.719
Temperature	Deg C	NV	15.7	10	149	9.8	16	11.5	14.8	-	-	-	-	-	-	-	-	15.2	14.2
GASES																			
Ethane	ug/L	NV	38 J	1800	450 J	1800	1300	1500	990	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	470	5800	2900	540	3100	1800	1600	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	200	5300	12000	8800	5600	8900	1800	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	866	< 20 U	5.5 J	5.4 J	3.1 J	56.5	6.6 JB	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	160	1340	585	256	149	102	138	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 33 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 8.4 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
1,1,2-Trichloroethane	ug/L	1	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 9.2 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
1,1-Dichloroethane	ug/L	5	< 4000 U	**310**	**390**	**100 J**	**150 J**	< 100 U	**53 J**	< 15 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	2.5	< 80 U	< 200 U
1,1-Dichloroethene	ug/L	5	< 4000 U	< 200 U	< 200 U	**63 J**	**74 J**	< 100 U	**58 J**	< 12 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	**62**	< 80 U	< 200 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 8.4 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 29 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	-	< 80 U	< 200 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 40000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 1000 U	< 1000 U	< 53 U	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 10 U	< 800 U	< 2000 U
2-Hexanone	ug/L	50	< 20000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 500 U	< 50 U	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 5 U	< 400 U	< 1000 U
4-Methyl-2-pentanone	ug/L	NV	< 20000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 500 U	< 84 U	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 5 U	< 400 U	< 1000 U
Acetone	ug/L	50	< 40000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 1000 U	< 1000 U	< 120 U	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 10 U	< 800 U	< 2000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 16 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Bromodichloromethane	ug/L	50	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 16 U	**86**	**94**	< 500 U	**280**	**210**	< 500 U	< 1 U	< 80 U	< 200 U
Bromoform	ug/L	50	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 10 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Bromomethane	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 28 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Carbondisulfide	ug/L	60	**1100 J**	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	**93**	**440**	**470**	**870**	**470**	**710**	**340**	0.78 J	< 80 U	< 200 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)	87-13(3)
	Sample Date		10/13/2021	3/23/2022	10/13/2022	3/17/2023	10/19/2023	3/28/2024	10/25/2024	10/30/2014	5/18/2015	6/25/2015	10/22/2015	4/28/2016	10/20/2016	10/31/2018	10/15/2020	10/12/2022	10/25/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 11 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Chlorobenzene	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 30 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Chloroethane	ug/L	5	< 4000 U	**110 J**	< 200 U	< 200 U	< 200 U	**58 J**	**59 J**	< 13 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Chloroform (trichloromethane)	ug/L	7	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 14 U	**490**	**520**	< 500 U	**1200**	**810**	**480**	< 1 U	< 80 U	< 200 U
Chloromethane	ug/L	5	< 4000 U	**100 J**	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 14 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
cis-1,2-Dichloroethene	ug/L	5	**160000**	**510**	**1200**	**420**	**470**	**190**	**290**	**7400**	**46000**	**50000**	**68000**	**49000**	**57000**	**46000**	**28000**	**3400**	**9600**
cis-1,3-Dichloropropene	ug/L	0.4	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 14 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Dibromochloromethane	ug/L	50	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 13 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 30 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	1.9	< 80 U	< 200 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-
m,p-xylene	ug/L	5	< 8000 U	< 400 U	< 400 U	< 400 U	< 400 U	< 200 U	< 200 U	< 26 U	< 400 U	< 400 U	< 1500 U	< 1500 U	< 1000 U	< 1000 U	4.4	< 160 U	< 400 U
Methylene chloride	ug/L	5	**200000**	**8500**	**26000**	**9200**	**8700**	**3300**	**8300**	< 18 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	**280**	< 1 U	< 80 U	**150 J**
o-Xylene	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 30 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	2.6	< 80 U	< 200 U
Styrene	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 29 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Tetrachloroethene	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 14 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Toluene	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 20 U	**48**	**54**	< 500 U	< 500 U	< 500 U	< 500 U	**12**	< 80 U	< 200 U
trans-1,2-Dichloroethene	ug/L	5	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 36 U	**320**	**310**	**500**	**400**	**390**	**510**	**240 E**	< 80 U	< 200 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 15 U	< 200 U	< 200 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1 U	< 80 U	< 200 U
Trichloroethene	ug/L	5	**170000**	**210**	**5500**	**1000**	**1500**	**170**	**270**	**2100**	**79000**	**71000**	**97000**	**75000**	**72000**	**620**	2.4	< 80 U	< 200 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**7200**	< 200 U	**310**	< 200 U	< 200 U	< 100 U	< 100 U	**52**	**750**	**990**	**940**	**490**	**610**	**2800**	**3500**	**3800**	**4300**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(1)	87-14(1)	87-14(1)	87-14(1)
Sample Date			10/13/2013	10/30/2014	10/22/2015	10/20/2016	11/16/2017	10/31/2018	9/25/2019	10/15/2020	10/12/2021	10/10/2022	10/19/2023	10/19/2023	10/25/2024	5/22/2017	12/13/2018	3/22/2022	10/10/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	-	-	-	3.45	-	0.31	78.1	-	0.66	1	-	-	0.39	0
Oxidation Reduction Potential	mV	NV	-	-	-	-	-	-	53.6	-	8.5	-48.6	-	-55.2	-124.8	-	-	-97.9	-155.3
pH	SU	NV	-	-	-	-	-	-	7.03	-	7.23	6.91	-	6.98	7.11	-	-	6.07	6.31
Specific Conductivity	mS/cm	NV	-	-	-	-	-	-	1.391	-	1.105	1.13	-	0.918	2.24	-	-	2.28	4.68
Temperature	Deg C	NV	-	-	-	-	-	-	15.8	-	15.5	14	-	14.2	13.7	-	-	10.2	13.3
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180 J	< 660 U
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6100	4100
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300	1200
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 100 U	< 40 U
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1620	3670
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1.6 U	< 1.6 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**390**	**410**	< 800 U	< 800 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 0.42 U	< 0.42 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
1,1,2-Trichloroethane	ug/L	1	< 0.46 U	< 0.46 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
1,1-Dichloroethane	ug/L	5	< 0.76 U	< 0.76 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**170 J**	**350**	< 800 U	< 800 U
1,1-Dichloroethene	ug/L	5	< 0.58 U	< 0.58 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	**200 J**	< 800 U	< 800 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 0.42 U	< 0.42 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1.4 U	< 1.4 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 2.6 U	< 2.6 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U+	< 20 U	< 20 U	< 1300 U	< 1000 U	< 8000 U	**1300 J**
2-Hexanone	ug/L	50	< 2.5 U	< 2.5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1300 U	< 1000 U	< 4000 U	< 4000 U
4-Methyl-2-pentanone	ug/L	NV	< 4.2 U	< 4.2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1300 U	< 1000 U	< 4000 U	< 4000 U
Acetone	ug/L	50	< 6 U	< 6 U	2	1.9	< 5 U	2.5	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**320 J**	< 1000 U	< 8000 U	< 8000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 0.82 U	< 0.82 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Bromodichloromethane	ug/L	50	< 0.78 U	< 0.78 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Bromoform	ug/L	50	< 0.52 U	< 0.52 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Bromomethane	ug/L	5	< 1.4 U	< 1.4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Carbondisulfide	ug/L	60	< 0.38 U	< 0.38 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	**140 J**	< 800 U	< 800 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(0)	87-14(1)	87-14(1)	87-14(1)	87-14(1)
	Sample Date		10/13/2013	10/30/2014	10/22/2015	10/20/2016	11/16/2017	10/31/2018	9/25/2019	10/15/2020	10/12/2021	10/10/2022	10/19/2023	10/19/2023	10/25/2024	5/22/2017	12/13/2018	3/22/2022	10/10/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 0.54 U	< 0.54 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Chlorobenzene	ug/L	5	< 1.5 U	< 1.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Chloroethane	ug/L	5	< 0.64 U	< 0.64 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Chloroform (trichloromethane)	ug/L	7	< 0.68 U	0.68	0.54	0.53	< 1 U	0.46	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**450**	< 200 U	< 800 U	< 800 U
Chloromethane	ug/L	5	< 0.7 U	< 0.7 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
cis-1,2-Dichloroethene	ug/L	5	< 1.6 U	< 1.6 U	1.6	0.91	< 1 U	0.57	< 2 U	1.7 J	4.4	< 2 U	< 2 U	< 2 U	**8.1**	**16000**	**30000**	**1400**	**4300**
cis-1,3-Dichloropropene	ug/L	0.4	< 0.72 U	< 0.72 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Dibromochloromethane	ug/L	50	< 0.64 U	< 0.64 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1.5 U	< 1.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Freon 113	ug/L	NV	-	-	-	-	-	-	< 2 U	< 2 U	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 1.3 U	< 1.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 500 U	< 400 U	< 1600 U	< 1600 U
Methylene chloride	ug/L	5	< 0.88 U	< 0.88 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	2.1	< 2 U	< 2 U	< 2 U	1.8 J	**22000**	**54000 D**	**3900**	**2200**
o-Xylene	ug/L	5	< 1.5 U	< 1.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Styrene	ug/L	5	< 1.5 U	< 1.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Tetrachloroethene	ug/L	5	< 0.72 U	< 0.72 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U+	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Toluene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.21	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
trans-1,2-Dichloroethene	ug/L	5	< 1.8 U	< 1.8 U	0.34	0.34	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	**98 J**	< 800 U	< 800 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 0.74 U	< 0.74 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 250 U	< 200 U	< 800 U	< 800 U
Trichloroethene	ug/L	5	**46**	**140**	**160**	**120**	**62**	**97**	**110**	**45**	**74**	**97**	**110**	**100**	**100**	**32000**	**56000 D**	< 800 U	< 800 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 1.8 U	< 1.8 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	**2900**	**8200**	**33000**	**34000**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	< 4 U	< 4 U	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
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Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-14(1)	87-14(1)	87-14(1)	87-14(1)	87-15(0)	87-15(1)	87-15(1)	87-15(1)	87-15(1)	87-15(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)
	Sample Date		3/21/2023	10/19/2023	3/25/2024	10/25/2024	12/17/2024	5/22/2017	12/12/2018	3/22/2022	10/6/2022	10/6/2022	1/16/2020	5/28/2020	8/20/2020	3/17/2021	10/12/2021	3/21/2022	10/6/2022
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.1	0.26	0	0.72	3.07	-	-	0.31	-	0	1.08	0.32	0.88	1.4	0.88	0.63	0
Oxidation Reduction Potential	mV	NV	-75.3	-105.7	-324.1	-368.9	-7	-	-	-216.1	-	-2.1	-56.4	-32.2	-293.9	-233.5	-337.6	-326.2	-143
pH	SU	NV	6.16	6.14	6.36	7.72	7.5	-	-	6.33	-	6.04	6.95	6.72	8.54	8.5	8.52	9.31	6.67
Specific Conductivity	mS/cm	NV	4.24	4.952	5.72	11.735	2.193	-	-	1.961	-	0.00367	2.328	2.843	3.556	2.61	3.213	3.127	0.00374
Temperature	Deg C	NV	9	15.5	12.1	12.8	11.23	-	-	9.9	-	16.25	8.56	12.16	14	11.07	15.2	11.3	15.9
GASES																			
Ethane	ug/L	NV	1600	270 J	770	1200	-	-	-	< 660 U	-	< 330 U	17 J	< 83 U	< 330 U	< 83 U	< 83 U	< 83 U	< 330 U
Ethylene	ug/L	NV	8000	4300	5300	5100	-	-	-	450 J	-	340	39 J	44 J	< 310 U	62 J	150	140	75 J
Methane	ug/L	NV	7400	3300	4900	5600	-	-	-	13000	-	11000	630	490	360	390	380	320	350
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	7.1 J	< 40 U	42.4	< 20 U	-	-	-	< 20 U	-	< 20 U	103	181	188	215	212	150	138
Total organic carbon	mg/L	NV	2950	2550	2010	1590	-	-	-	703	-	825	3.7	7.8	19.3	26.3	26.6	52.5	17.1
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	**8300**	**9400**	< 8000 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,1,2-Trichloroethane	ug/L	1	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,1-Dichloroethane	ug/L	5	**280**	**510**	**310 J**	**920**	< 1 U	3.9 J	**12**	**22**	**15**	**16 J**	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,1-Dichloroethene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	**5.5 J**	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 200 U	< 200 U	< 400 U	< 400 U	-	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 2000 U	**570 J**	< 4000 U	< 4000 U	< 10 U	< 25 U	**250**	**400**	**670**	**800**	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U
2-Hexanone	ug/L	50	< 1000 U	< 1000 U	< 2000 U	< 2000 U	< 5 U	< 25 U	6.7 J	< 100 UF2	6.8	< 100 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U
4-Methyl-2-pentanone	ug/L	NV	< 1000 U	< 1000 U	< 2000 U	< 2000 U	< 5 U	< 25 U	< 50 U	< 100 U	< 5 U	< 100 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U
Acetone	ug/L	50	< 2000 U	< 2000 U	< 4000 U	< 4000 U	< 10 U	< 25 U	**89**	**130 J**	**260**	**290**	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	**1.9**	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Bromodichloromethane	ug/L	50	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Bromoform	ug/L	50	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Bromomethane	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Carbondisulfide	ug/L	60	< 200 U	< 200 U	< 400 U	**190 J**	< 1 U	6.5	44	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	**12000**	< 8000 U	**1500 J**	**2700 J**	< 8000 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-14(1)	87-14(1)	87-14(1)	87-14(1)	87-15(0)	87-15(1)	87-15(1)	87-15(1)	87-15(1)	87-15(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)
	Sample Date		3/21/2023	10/19/2023	3/25/2024	10/25/2024	12/17/2024	5/22/2017	12/12/2018	3/22/2022	10/6/2022	10/6/2022	1/16/2020	5/28/2020	8/20/2020	3/17/2021	10/12/2021	3/21/2022	10/6/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Chlorobenzene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Chloroethane	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Chloroform (trichloromethane)	ug/L	7	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Chloromethane	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
cis-1,2-Dichloroethene	ug/L	5	**4500**	**10000**	**3900**	< 400 U	< 1 U	**390**	**1200**	< 20 U	2.1	< 20 U	**36000**	**40000**	**56000**	**49000**	**100000**	**77000**	**93000**
cis-1,3-Dichloropropene	ug/L	0.4	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Dibromochloromethane	ug/L	50	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	1.2	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Freon 113	ug/L	NV	-	-	-	-	< 1 U	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 400 U	< 400 U	< 800 U	< 800 U	< 2 U	< 10 U	< 20 U	< 40 U	1.6 J	< 40 U	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 16000 U
Methylene chloride	ug/L	5	**4700**	**2100**	**1100**	**310 J**	< 1 U	**4300 D**	**1400**	**64**	**5.2**	**13 J**	**270000**	**450000**	**540000**	**490000**	**740000**	**430000**	**390000**
o-Xylene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	1.7	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Styrene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Tetrachloroethene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Toluene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	1.4	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
trans-1,2-Dichloroethene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	2 J	**13**	**24**	**17**	**19 J**	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 200 U	< 200 U	< 400 U	< 400 U	< 1 U	< 5 U	< 10 U	< 20 U	< 1 U	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Trichloroethene	ug/L	5	< 200 U	< 200 U	< 400 U	< 400 U	1.4	**10**	**17**	< 20 U	0.61 J	< 20 U	**170000**	**270000**	**560000**	**490000**	**610000**	**630000**	**400000**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**15000**	**21000**	**12000**	**820**	< 1 U	**180**	**370**	**21**	**5.4**	< 20 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	**7600 J**	**12000**	< 8000 U
Xylene (total)	ug/L	NV	-	-	-	-	< 2 U	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-17(0)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)
	Sample Date		3/17/2023	10/18/2023	3/26/2024	10/25/2024	12/16/2024	4/18/2013	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.13	0.2	0.04	0.92	2.85	-	-	-	-	-	4.02	2.48	2.22	0.33	1.27	2.23	-
Oxidation Reduction Potential	mV	NV	-311.7	-217.4	-147.1	-121.7	-9	-	-	-	-	-	-91	-140	-99.1	-80.2	-111.1	-161.1	-
pH	SU	NV	8.51	6.65	7.24	6.34	8.33	-	-	-	-	-	7.26	7.12	8.5	7.98	7.25	6.25	7.05
Specific Conductivity	mS/cm	NV	2.714	2.584	3.585	3.646	1.472	-	-	-	-	-	2.568	2.184	2.294	2.339	1.961	2.228	1.817
Temperature	Deg C	NV	10.2	14.4	11	14.6	11.9	-	-	-	-	-	13.56	10.35	11.39	8.91	12.63	14.61	13.88
GASES																			
Ethane	ug/L	NV	< 170 U	58 J	< 170 U	130	-	-	-	-	-	-	1.3	1.2	12	1.2	1.2	1.5	-
Ethylene	ug/L	NV	520	340	470	520	-	-	-	-	-	-	12	11	70	12	13	14	-
Methane	ug/L	NV	470	580	460	590	-	-	-	-	-	-	100	66	1.5	68	72	96	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	0.304	0.291	0.292	0.298	0.288	0.295	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	0.305	0.3	0.258	0.268	0.286	0.591	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	0.128	0.124	0.157	0.16	0.142	0.148	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	0.00012	0.00013	0.00017	0.00015	0.00025	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	-
Sulfate	mg/L	NV	141	142	168	148	-	-	-	-	-	-	1.01	1.03	1.06	0.938	1.12	1.15	-
Total organic carbon	mg/L	NV	29.9	8.8	19.4	9.6	-	-	-	-	-	-	0.0037	0.0047	0.0043	0.0039	0.0037	0.0053	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**9100**	< 8000 U	< 8000 U	< 8000 U	< 50 U	**450**	**240**	**170**	**140**	**89**	**110**	**100**	**100**	**100**	**89**	**89**	**72**
1,1,2,2-Tetrachloroethane	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 0.84 U	< 0.84 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	ug/L	1	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 0.92 U	< 0.92 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	**59**	**38**	**32**	**27**	**21**	**26**	**23**	**25**	**22**	**20**	**23**	**20**
1,1-Dichloroethene	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	**17 J**	**11**	**11**	4.7	1.4	0.91 J	1.5	1.4 J	1.3	< 2.5 U	1.2 J	1.8 J	1.3 J
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 0.84 U	< 0.84 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 8000 U	< 8000 U	< 8000 U	< 8000 U	-	< 1 U	< 2.9 U	< 2.9 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 500 U	< 5 U	< 5.3 U	< 5.3 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 13 U	< 10 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 250 U	< 1 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 13 U	< 10 U	< 10 U	< 10 U
4-Methyl-2-pentanone	ug/L	NV	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 250 U	< 5 U	< 8.4 U	< 8.4 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 13 U	< 10 U	< 10 U	< 10 U
Acetone	ug/L	50	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 500 U	< 1 U	< 12 U	< 12 U	< 10 U	1.4 J	1.8 J	< 10 U	< 5 U	< 13 U	< 10 U	5.2 J	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.6 U	< 1.6 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane	ug/L	50	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.6 U	< 1.6 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Bromoform	ug/L	50	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Bromomethane	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 2.8 U	< 2.8 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Carbondisulfide	ug/L	60	**1800 J**	< 8000 U	< 8000 U	< 8000 U	< 50 U	0.4	2	< 0.76 U	2.9	1.5	1.4	1.4 J	1.2 B	< 2.5 U	< 2 U	2.4	0.85 J

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-17(0)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)
	Sample Date		3/17/2023	10/18/2023	3/26/2024	10/25/2024	12/16/2024	4/18/2013	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbontetrachloride	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.1 U	< 1.1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 3 U	< 3 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Chloroethane	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	0.68	< 1.3 U	< 1.3 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Chloroform (trichloromethane)	ug/L	7	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.4 U	< 1.4 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Chloromethane	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.4 U	< 1.4 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5	**99000**	**92000**	**95000 F1**	**110000**	**2500**	**480**	**250**	**220**	**160**	**130**	**130**	**110**	**120**	**97**	**92**	**190**	**110**
cis-1,3-Dichloropropene	ug/L	0.4	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.4 U	< 1.4 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane	ug/L	50	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.3 U	< 1.3 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 3 U	< 3 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Freon 113	ug/L	NV	-	-	-	-	690	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 100 U	< 2 U	< 2.6 U	< 2.6 U	< 6 U	< 2 U	< 2 U	< 4 U	< 2 U	< 5 U	< 4 U	< 4 U	< 4 U
Methylene chloride	ug/L	5	**280000**	**590000**	**420000 F1**	**670000**	< 50 U	< 1 U	< 1.8 U	< 1.8 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	**12**	< 2 U
o-Xylene	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 3 U	< 3 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Styrene	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 2.9 U	< 2.9 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.4 U	< 1.4 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Toluene	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	ug/L	5	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	3.3	< 3.6 U	< 3.6 U	2.1	2.5	2.2	2.3	2.2	1.8 J	2 J	2 J	2.4
Trans-1,3-Dichloropropene	ug/L	0.4	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 50 U	< 1 U	< 1.5 U	< 1.5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U	< 2 U
Trichloroethene	ug/L	5	**570000**	**340000**	**330000 F1**	**310000**	**830**	**7.5**	4.1	5	**13**	**18**	2.7	2.7	3.2	2.3 J	2.1	**140**	**51**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**24000**	< 8000 U	< 8000 U	< 8000 U	**180**	**400**	**230**	**310**	**260**	**150**	**280 D**	**320**	**340 D**	**290**	**220**	**290**	**260**
Xylene (total)	ug/L	NV	-	-	-	-	< 100 U	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-18(1)	87-18(1)	87-18(1)
	Sample Date		12/12/2018	9/25/2019	1/15/2020	5/28/2020	8/20/2020	10/14/2020	3/17/2021	10/12/2021	10/12/2021	3/21/2022	10/6/2022	10/18/2023	10/25/2024	10/25/2024	5/22/2017	12/10/2018	3/23/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.78	0.6	0.55	0.76	0.31	-	1.45	-	0.09	0.35	0	0.19	-	-	-	-	5.12
Oxidation Reduction Potential	mV	NV	-351	-288.7	-224.6	-120.9	-221	-	-231	-	-269.2	-228.3	-263.7	-229.7	-	-	-	-	41.9
pH	SU	NV	7.32	7.16	7	7.14	6.88	-	6.85	-	7.05	7.08	6.69	7.09	-	-	-	-	6.96
Specific Conductivity	mS/cm	NV	2.642	2.681	2.778	2.939	2.782	-	1.89	-	2.578	2.38	2.406	2.274	-	-	-	-	2.908
Temperature	Deg C	NV	12.68	15.2	12.35	13.44	14	-	12.18	-	15.7	12	14.5	14.1	-	-	-	-	11.1
GASES																			
Ethane	ug/L	NV	1.4	-	< 7.5 U	< 7.5 U	< 7.5 U	-	< 7.5 U	-	< 7.5 U	< 7.5 U	< 7.5 U	-	-	-	-	-	< 7.5 U
Ethylene	ug/L	NV	17	-	8.6	6.1 J	8.1	-	8.9	-	7.7	7.4	7.9	-	-	-	-	-	< 7 U
Methane	ug/L	NV	90	-	77	56	72	-	65	-	51	65	76	-	-	-	-	-	< 4 U
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	0.274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	0.268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	0.133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	< 0.001 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	1.02	-	1140	1180	1180	-	1160	-	1150	1170	1230	-	-	-	-	-	198
Total organic carbon	mg/L	NV	0.0036	-	2.4	3	2.9	-	2.9	-	2.4	3.5	2.9	-	-	-	-	-	1
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**74**	**100**	**52**	**12**	**62**	**54**	**51**	**55**	**59**	**72**	**31**	**48**	**29**	**30**	**27**	**25**	2.7
1,1,2,2-Tetrachloroethane	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
1,1-Dichloroethane	ug/L	5	**19**	**29**	**15**	3.6	**20**	**19**	**18**	**19**	**23**	**22**	**12**	**17**	**11**	**11**	**17**	**18**	2.1
1,1-Dichloroethene	ug/L	5	1.2 J	1.3 J	< 5 U	< 1 U	1.6	3.5 J	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	0.89 J	< 4 U	< 5 U	1.3 J	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	-	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 20 U	< 50 U	< 10 U	< 10 U	< 50 U	< 100 U	< 40 U	< 80 U	< 100 U	< 100 U	< 100 U	< 20 U	< 40 U	< 25 U	< 13 U	< 10 U
2-Hexanone	ug/L	50	< 10 U	< 10 U	< 25 U	< 5 U	< 5 U	< 25 U	< 50 U	< 20 U	< 40 U	< 50 U	< 50 U	< 50 U	< 10 U	< 20 U	< 25 U	< 13 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 10 U	< 10 U	< 25 U	< 5 U	< 5 U	< 25 U	< 50 U	< 20 U	< 40 U	< 50 U	< 50 U	< 50 U	< 10 U	< 20 U	< 25 U	< 13 U	< 5 U
Acetone	ug/L	50	< 10 U	< 20 U	< 50 U	< 10 U	< 10 U	< 50 U	< 100 U	< 40 U	< 80 U	< 100 U	< 100 U+	< 100 U	< 20 U	< 40 U	6.7 J	< 13 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Bromodichloromethane	ug/L	50	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Bromoform	ug/L	50	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Bromomethane	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Carbondisulfide	ug/L	60	1.6 J	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-18(1)	87-18(1)	87-18(1)
	Sample Date		12/12/2018	9/25/2019	1/15/2020	5/28/2020	8/20/2020	10/14/2020	3/17/2021	10/12/2021	10/12/2021	3/21/2022	10/6/2022	10/18/2023	10/25/2024	10/25/2024	5/22/2017	12/10/2018	3/23/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Chlorobenzene	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Chloroethane	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Chloromethane	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**120**	**140**	**110**	**31**	**97**	**300 F1**	**130**	**120**	**140**	**120**	**100**	**100**	**84**	**83**	**620**	**130**	**13**
cis-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Dibromochloromethane	ug/L	50	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Freon 113	ug/L	NV	-	< 2 U	-	-	-	750 F1	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 4 U	< 4 U	< 10 U	< 2 U	< 2 U	< 10 U	< 20 U	< 8 U	< 16 U	< 20 U	< 20 U	< 20 U	< 4 U	< 8 U	< 10 U	< 5 U	< 2 U
Methylene chloride	ug/L	5	< 2 U	< 2 U	< 5 U	0.57 J	< 1 U	< 5 U	< 10 U	< 4 U	**13**	4.5 J	< 10 U	< 10 U	1.7 J	4.2	< 5 U	< 2.5 U	< 1 U
o-Xylene	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Styrene	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Tetrachloroethene	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Toluene	ug/L	5	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	2	2.4	< 5 U	< 1 U	2	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	2.6 J	2.1 J	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U	< 10 U	< 10 U	< 2 U	< 4 U	< 5 U	< 2.5 U	< 1 U
Trichloroethene	ug/L	5	1.9 J	2.5	4.5 J	**15**	**9.4**	**100**	**58**	3.9 J	5 J	< 10 U	< 10 U	< 10 U	1.7 J	< 4 U	3.9 J	4.7	0.81 J
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**260**	**360**	**220**	**63**	**230**	**220 F1**	**340**	**290**	**300**	**320**	**230**	**220**	**150**	**150**	**510**	**310**	1.1
Xylene (total)	ug/L	NV	-	< 4 U	-	-	-	< 10 U	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
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VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-18(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-20(0)	87-20(0)	87-20(0)
	Sample Date		10/4/2022	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/11/2021	10/4/2022	10/18/2023	10/24/2024	10/24/2024	10/23/2013	10/30/2014	10/22/2015
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0	-	-	-	-	-	-	0.56	-	0.24	0	0.29	-	0.98	-	-	-
Oxidation Reduction Potential	mV	NV	-95	-	-	-	-	-	-	-18.4	-	-191.7	-50	-135.9	-	-75.9	-	-	-
pH	SU	NV	6.8	-	-	-	-	-	-	6.95	-	7.05	6.76	6.99	-	6.59	-	-	-
Specific Conductivity	mS/cm	NV	0.00291	-	-	-	-	-	-	2.69	-	2.121	0.00258	2.171	-	3.044	-	-	-
Temperature	Deg C	NV	20.5	-	-	-	-	-	-	13.4	-	14.7	18.66	13.7	-	13.5	-	-	-
GASES																			
Ethane	ug/L	NV	< 7.5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	1140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**15**	< 0.82 U	< 0.82 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.82 U	< 0.82 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 0.21 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.21 U	< 0.21 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 0.23 U	< 0.23 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.23 U	< 0.23 U	< 1 U
1,1-Dichloroethane	ug/L	5	**12**	< 0.38 U	< 0.38 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.38 U	< 0.38 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 1 U	< 0.29 U	< 0.29 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.29 U	< 0.29 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 0.21 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.21 U	< 0.21 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 0.72 U	< 0.72 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.72 U	< 0.72 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 1.3 U	< 1.3 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1.3 U	< 1.3 U	< 5 U
2-Hexanone	ug/L	50	< 5 U	< 1.2 U	< 1.2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1.2 U	< 1.2 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 2.1 U	< 2.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2.1 U	< 2.1 U	< 5 U
Acetone	ug/L	50	< 10 U	< 3 U	< 3 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U+	< 10 U	< 10 U	< 10 U	< 10 U	< 3 U	< 3 U	< 5 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 0.41 U	< 0.41 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.41 U	< 0.41 U	< 1 U
Bromodichloromethane	ug/L	50	< 1 U	< 0.39 U	< 0.39 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.39 U	< 0.39 U	< 1 U
Bromoform	ug/L	50	< 1 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.26 U	< 0.26 U	< 1 U
Bromomethane	ug/L	5	< 1 U	< 0.69 U	< 0.69 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.69 U	< 0.69 U	< 1 U
Carbondisulfide	ug/L	60	< 1 U	< 0.19 U	< 0.19 U	0.25	< 1 U	< 1 U	1.6	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.19 U	< 0.19 U	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-18(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-19(1)	87-20(0)	87-20(0)	87-20(0)
	Sample Date		10/4/2022	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/11/2021	10/4/2022	10/18/2023	10/24/2024	10/24/2024	10/23/2013	10/30/2014	10/22/2015
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 0.27 U	< 0.27 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.27 U	< 0.27 U	< 1 U
Chlorobenzene	ug/L	5	< 1 U	< 0.75 U	< 0.75 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.75 U	< 0.75 U	< 1 U
Chloroethane	ug/L	5	< 1 U	< 0.32 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.32 U	< 0.32 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 0.34 U	< 0.34 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.34 U	< 0.34 U	< 1 U
Chloromethane	ug/L	5	< 1 U	< 0.35 U	< 0.35 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U+	< 1 U	< 1 U	< 1 U	< 1 U	< 0.35 U	< 0.35 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**83**	**7.6**	4.4	**5.9**	**5.8**	**5.3**	**5.3**	4.6	4.2	4.8	3.9	3.2	2.9	3.1	< 0.81 U	< 0.81 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 0.36 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.36 U	< 0.36 U	< 1 U
Dibromochloromethane	ug/L	50	< 1 U	< 0.32 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.32 U	< 0.32 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 0.74 U	< 0.74 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.74 U	< 0.74 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	< 1 U	< 1 U	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 0.66 U	< 0.66 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.66 U	< 0.66 U	< 2 U
Methylene chloride	ug/L	5	< 1 U	< 0.44 U	< 0.44 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.44 U	< 0.44 U	< 1 U
o-Xylene	ug/L	5	< 1 U	< 0.76 U	< 0.76 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.76 U	< 0.76 U	< 1 U
Styrene	ug/L	5	< 1 U	< 0.73 U	< 0.73 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.73 U	< 0.73 U	< 1 U
Tetrachloroethene	ug/L	5	< 1 U	< 0.36 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.36 U	< 0.36 U	< 1 U
Toluene	ug/L	5	< 1 U	< 0.51 U	< 0.51 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.51 U	< 0.51 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	1.5	< 0.9 U	< 0.9 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.9 U	< 0.9 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 0.37 U	< 0.37 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.37 U	< 0.37 U	< 1 U
Trichloroethene	ug/L	5	2.6	0.56	< 0.46 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.46 U	< 0.46 U	0.24
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**370**	1.7	< 0.9 U	**2.5**	1.7	1.9	**3.5**	**3.2**	**3.1**	**3.7**	**4.6**	**2.9**	**2.1**	1.9	< 0.9 U	< 0.9 U	< 1 U
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	< 2 U	< 2 U	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)
	Sample Date		4/27/2016	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/8/2021	10/4/2022	10/17/2023	10/23/2024	10/23/2013	10/30/2014	10/21/2015	10/19/2016	11/14/2017	1/23/2018	2/27/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	-	2.48	-	0.46	0	0.48	0.49	-	-	-	-	0.47	2.79	1.29
Oxidation Reduction Potential	mV	NV	-	-	-	-	-36.7	-	-82.5	-53	-15	-127.1	-	-	-	-	-39	-258.1	-77.6
pH	SU	NV	-	-	-	-	6.83	-	7	6.82	6.92	6.8	-	-	-	-	7.31	7.07	7.96
Specific Conductivity	mS/cm	NV	-	-	-	-	3.178	-	1.173	0.00147	1.093	2.472	-	-	-	-	1.953	2.285	2.547
Temperature	Deg C	NV	-	-	-	-	16.2	-	17.9	14.15	15.3	15.3	-	-	-	-	13.95	11.68	10.83
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	2.4	< 1 U
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	81	61
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	48	7
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.221	0.375	0.218
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.201	0.394	0.197
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.108	0.217	0.63
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001 U	0.00014	0.00017
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.001 U	< 0.001 U	< 0.001 U
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.735	0.779	0.338
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0025	0.0701	0.0035
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 82 U	< 82 U	**23**	**22 J**	**26**	**21 J**	4.7 J
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 21 U	< 21 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 23 U	< 23 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
1,1-Dichloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 38 U	< 38 U	**19**	**18 J**	**13 J**	**16 J**	4.7 J
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 29 U	< 29 U	**18**	< 50 U	< 25 U	< 50 U	< 5 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 21 U	< 21 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	-	-	-	< 1 U	< 1 U	< 1 U	< 72 U	< 72 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 130 U	< 130 U	< 130 U	< 250 U	< 130 U	< 250 U	< 25 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 120 U	< 120 U	< 130 U	< 250 U	< 130 U	< 250 U	< 25 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 210 U	< 210 U	< 130 U	< 250 U	< 130 U	< 250 U	< 25 U
Acetone	ug/L	50	< 5 U	1.4	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	3.3 J	< 10 U	< 10 U	< 300 U	< 300 U	< 130 U	< 250 U	< 130 U	< 250 U	< 25 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 41 U	< 41 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 39 U	< 39 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 26 U	< 26 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 69 U	< 69 U	< 25 U	< 50 U	**9 J**	< 50 U	< 5 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	< 1 U	0.79	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 19 U	< 19 U	< 25 U	< 50 U	< 25 U	< 50 U	6.5

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(0)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)
	Sample Date		4/27/2016	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/8/2021	10/4/2022	10/17/2023	10/23/2024	10/23/2013	10/30/2014	10/21/2015	10/19/2016	11/14/2017	1/23/2018	2/27/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 27 U	< 27 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 75 U	< 75 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 32 U	< 32 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 34 U	< 34 U	< 25 U	**18 J**	< 25 U	< 50 U	< 5 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 35 U	< 35 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
cis-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**8300**	**8700**	**6800**	**4700**	**6200 D**	**4800**	**670**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 36 U	< 36 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 32 U	< 32 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 74 U	< 74 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Freon 113	ug/L	NV	-	-	-	-	< 1 U	< 1 U	< 1 U	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 66 U	< 66 U	< 50 U	< 100 U	< 50 U	< 100 U	< 10 U
Methylene chloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 44 U	< 44 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
o-Xylene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 76 U	< 76 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Styrene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 73 U	< 73 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 36 U	< 36 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Toluene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 51 U	< 51 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 90 U	< 90 U	**24**	< 50 U	**17 J**	< 50 U	3 J
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 37 U	< 37 U	< 25 U	< 50 U	< 25 U	< 50 U	< 5 U
Trichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 46 U	< 46 U	**26**	**19 J**	**34**	**39 J**	**13**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1500**	**1600**	**1600**	**830**	**760**	**1600**	**460**
Xylene (total)	ug/L	NV	-	-	-	-	< 2 U	< 2 U	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
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- = Not Analyzed.
VOC = Volatile organic compounds

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Former Bell Aerospace Textron Inc.
Wheatfield, NY

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	Sample Date		3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018	3/26/2019	9/19/2019	9/24/2019	1/13/2020	5/21/2020	8/17/2020	10/13/2020	10/13/2020	3/15/2021	10/8/2021	3/17/2022	10/4/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.36	0.24	0.57	-	3.55	-	-	1.2	5.47	2.02	1.83	-	-	3.52	0.48	0.96	0
Oxidation Reduction Potential	mV	NV	-176.7	-172.3	-192.3	-	-321.5	-207.1	-	63.5	8.4	-108.2	23.3	-	-	-264	29.2	-71.5	11
pH	SU	NV	7.92	6.9	6.71	6.5	7.49	6.99	-	7.12	7.26	7.18	7.39	-	-	6.91	7.24	7.19	7.12
Specific Conductivity	mS/cm	NV	2.505	1.761	1.585	1.49	2.387	2.293	-	1.106	1.241	2.533	0.84	-	-	2.06	1.462	2.901	0.00207
Temperature	Deg C	NV	8.76	11.35	14.95	14.76	11.99	11.75	-	14.6	13.14	10.34	13.9	-	-	11.46	15.8	12.5	13.95
GASES																			
Ethane	ug/L	NV	1.7	1.6	< 1 U	-	2.1	< 7.5 U	-	-	< 7.5 U	< 7.5 U	< 7.5 U	-	-	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U
Ethylene	ug/L	NV	110 D	71	64	-	200 D	29	-	-	< 7 U	75	< 7 U	-	-	460	< 7 U	1.6 J	< 7 U
Methane	ug/L	NV	47	37	36	-	46	16	-	-	< 4 U	22	< 4 U	-	-	290	7.8	18	15
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	0.354	0.242	0.192	-	0.223	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	0.32	0.274	0.244	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	0.408	0.166	0.128	-	0.215	651	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	0.00015	0.00025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	< 0.001 U	< 0.001 U	< 0.001 U	-	< 0.001 U	0.8	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	0.562	0.506	0.414	-	0.66	381	-	-	133	593	145	-	-	1060	1270	378	447
Total organic carbon	mg/L	NV	0.0061	0.0028	0.0025	-	0.0035	1.9	-	-	1.4	2.3	1.9	-	-	2.7	2.2	2.7	2.3
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**14 J**	**6.4 J**	**7.1 J**	**14**	**11 J**	< 10 U	2.5	2.5	1.2	**7.1**	3	2.8	2.8	**13**	2.8	2.9	3.1
1,1,2,2-Tetrachloroethane	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	ug/L	1	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane	ug/L	5	**12 J**	**5.1 J**	**8.2 J**	**11**	**9.4 J**	**5.9 J**	3.5	3.5	1.6	**6.3**	3.5	3	2.9	**13**	3.7	4	**5.2**
1,1-Dichloroethene	ug/L	5	< 25 U	3.8 J	4.8 J	**7.6 J**	**5.6 J**	3.9 J	< 1 U	< 1 U	< 1 U	2.1	< 1 U	< 1 U	< 1 U	2.2	< 2 U	< 2 U	< 2 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	-	< 1 U	< 1 U	< 1 U	-	-	< 1 U	-	< 2 U	< 2 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U	< 100 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U
2-Hexanone	ug/L	50	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U
4-Methyl-2-pentanone	ug/L	NV	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U
Acetone	ug/L	50	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U	< 100 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane	ug/L	50	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Bromoform	ug/L	50	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Bromomethane	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Carbondisulfide	ug/L	60	24 J	< 10 U	12	18	22	< 10 U	< 1 U	< 1 U	< 1 U	0.81 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U

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	Sample Date		3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018	3/26/2019	9/19/2019	9/24/2019	1/13/2020	5/21/2020	8/17/2020	10/13/2020	10/13/2020	3/15/2021	10/8/2021	3/17/2022	10/4/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Chloroethane	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Chloroform (trichloromethane)	ug/L	7	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	2.8	1.9	1.1	2.3	1.9	1.8	0.66 J	1.1 J	< 2 U	1.2 J
Chloromethane	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5	**2800**	**1200**	**1100**	**2300 D**	**1800**	**910**	**20**	**20**	**7.3**	**1000**	**28**	**25**	**25**	**520**	**30**	**73**	**67**
cis-1,3-Dichloropropene	ug/L	0.4	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane	ug/L	50	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	6.7	-	-	-	7.9	8.9	-	14	-	-
m,p-xylene	ug/L	5	< 50 U	< 20 U	< 20 U	< 20 U	< 40 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Methylene chloride	ug/L	5	**20 J**	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	1 J	< 2 U
o-Xylene	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Styrene	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Toluene	ug/L	5	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	ug/L	5	< 25 U	4.3 J	3.7 J	**7.7 J**	**6.6 J**	< 10 U	< 1 U	< 1 U	< 1 U	2.8	< 1 U	< 1 U	< 1 U	**7.3**	< 2 U	< 2 U	< 2 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U
Trichloroethene	ug/L	5	**47**	**24**	**18**	**28**	**20 J**	**14**	**7**	**7**	2.7	**14**	**6.8**	**5.2**	**5.3**	**13**	**6.2**	**5.8**	**7.9**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**1200**	**440**	**420**	**730**	**780**	**380**	< 1 U	< 1 U	1.7	**330**	**2.1**	1.4	1.2	**2300**	**8.4**	**44**	**23**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	< 2 U	-	-	-	< 2 U	< 2 U	-	-	-	-

Notes:

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	Sample Date		10/17/2023	10/23/2024	10/23/2024	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/8/2021	10/4/2022	10/17/2023	10/23/2024	10/22/2013	10/30/2014
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.29	-	0.43	-	-	-	-	-	-	0.63	-	0.55	0	0.27	1.04	-	-
Oxidation Reduction Potential	mV	NV	58.1	-	128.8	-	-	-	-	-	-	102	-	-111.5	-117.7	43.1	-167	-	-
pH	SU	NV	7.26	-	7.16	-	-	-	-	-	-	7.13	-	7.22	6.96	7.27	7.39	-	-
Specific Conductivity	mS/cm	NV	1.504	-	2.935	-	-	-	-	-	-	1.032	-	1.546	1.249	1.24	2.548	-	-
Temperature	Deg C	NV	14.6	-	15	-	-	-	-	-	-	14.4	-	15.7	14.7	14.4	16.6	-	-
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	4.2	**6**	5	< 3.7 U	2.9	2.8	3.5	2.8	1.7	1.3	2.1	3.5	< 1 U	2.5	4.4	< 16 U	< 8.2 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.21 U	< 0.21 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.2 U	< 2.1 U
1,1,2-Trichloroethane	ug/L	1	< 2 U	< 1 U	< 2 U	< 0.23 U	< 0.23 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.6 U	< 2.3 U
1,1-Dichloroethane	ug/L	5	**9.5**	**5.4**	**5.4**	2.2	1.7	2.4	3.1	2	1.6	1.5	3.2	**5.8**	2.4	2.6	2.9	< 7.6 U	< 3.8 U
1,1-Dichloroethene	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.29 U	< 0.29 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	0.5 J	< 1 U	< 1 U	< 1 U	< 5.8 U	< 2.9 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 2 U	< 1 U	< 2 U	< 0.21 U	< 0.21 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.2 U	< 2.1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 2 U	< 1 U	< 2 U	< 0.72 U	< 0.72 U	< 1 U	< 2 U	< 1 U	< 1 U	-	-	-	< 1 U	< 1 U	< 1 U	< 14 U	< 7.2 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 20 U	< 10 U	< 20 U	< 1.3 U	< 1.3 U	< 5 U	< 10 U	5	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 26 U	< 13 U
2-Hexanone	ug/L	50	< 10 U	< 5 U	< 10 U	< 1.2 U	< 1.2 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 12 U
4-Methyl-2-pentanone	ug/L	NV	< 10 U	< 5 U	< 10 U	< 2.1 U	< 2.1 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 42 U	< 21 U
Acetone	ug/L	50	< 20 U	< 10 U	< 20 U	< 3 U	< 3 U	< 5 U	2.7	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 60 U	< 30 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 2 U	< 1 U	< 2 U	< 0.41 U	< 0.41 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 8.2 U	< 4.1 U
Bromodichloromethane	ug/L	50	< 2 U	< 1 U	< 2 U	< 0.39 U	< 0.39 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.8 U	< 3.9 U
Bromoform	ug/L	50	< 2 U	< 1 U	< 2 U	< 0.26 U	< 0.26 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5.2 U	< 2.6 U
Bromomethane	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.69 U	< 0.69 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 14 U	< 6.9 U
Carbondisulfide	ug/L	60	< 2 U	< 1 U	< 2 U	< 0.19 U	< 0.19 U	< 1 U	< 2 U	< 1 U	1.3	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.8 U	< 1.9 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-20(1)	87-20(1)	87-20(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-21(1)	87-22(1)	87-22(1)
	Sample Date		10/17/2023	10/23/2024	10/23/2024	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/8/2021	10/4/2022	10/17/2023	10/23/2024	10/22/2013	10/30/2014
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.27 U	< 0.27 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5.4 U	< 2.7 U
Chlorobenzene	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.75 U	< 0.75 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 15 U	< 7.5 U
Chloroethane	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.32 U	< 0.32 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 6.4 U	< 3.2 U
Chloroform (trichloromethane)	ug/L	7	1.9 J	3.8	3.2	< 0.34 U	< 0.34 U	0.37	0.62	1.1	1.4	2.1	2	0.9 J	1.2	2.2	3.8	< 6.8 U	< 3.4 U
Chloromethane	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.35 U	< 0.35 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7 U	< 3.5 U
cis-1,2-Dichloroethene	ug/L	5	**50**	**17**	**14**	**51**	**95**	**200**	**460**	**7.6**	**5.7**	**5.4**	**83**	**100**	**9**	**7.7**	**8.9**	**2500**	**750**
cis-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 1 U	< 2 U	< 0.36 U	< 0.36 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.2 U	< 3.6 U
Dibromochloromethane	ug/L	50	< 2 U	< 1 U	< 2 U	< 0.32 U	< 0.32 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 6.4 U	< 3.2 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.74 U	< 0.74 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 15 U	< 7.4 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	2.2	8	17	-	-	-	-	-
m,p-xylene	ug/L	5	< 4 U	< 2 U	< 4 U	< 0.66 U	< 0.66 U	< 2 U	< 4 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 13 U	< 6.6 U
Methylene chloride	ug/L	5	< 2 U	< 1 U	0.91 J	< 0.44 U	< 0.44 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 8.8 U	< 4.4 U
o-Xylene	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.76 U	< 0.76 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 15 U	< 7.6 U
Styrene	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.73 U	< 0.73 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 15 U	< 7.3 U
Tetrachloroethene	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.36 U	< 0.36 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.2 U	< 3.6 U
Toluene	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.51 U	< 0.51 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5.1 U
trans-1,2-Dichloroethene	ug/L	5	< 2 U	< 1 U	< 2 U	< 0.9 U	< 0.9 U	0.92	**6.7**	0.54	0.34	< 1 U	1.2	1.7	< 1 U	< 1 U	< 1 U	< 18 U	< 9 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 1 U	< 2 U	< 0.37 U	< 0.37 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.4 U	< 3.7 U
Trichloroethene	ug/L	5	**7.2**	**5.9**	4.9	4.7	4.2	**5.2**	**5.4**	3.1	3.5	4.6	**5.5**	**6.2**	3.3	3.8	3	< 9.2 U	< 4.6 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**8.9**	**3.4**	**4**	1.7	**8.8**	**36**	**77**	< 1 U	< 1 U	< 1 U	**63**	**180**	**2.4**	< 1 U	< 1 U	**500**	**150**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	< 2 U	< 2 U	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)
	Sample Date		10/21/2015	10/19/2016	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018	3/26/2019	9/24/2019	9/24/2019	1/13/2020	5/21/2020	8/17/2020	10/13/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	4.12	3.59	3.5	0.64	0.91	4.15	-	4.7	-	-	0.39	0.15	0.4	0.52	-
Oxidation Reduction Potential	mV	NV	-	-	-81	-172.1	-22.1	-109	-164.5	-225.3	-	-175.2	-270.3	-	-162.9	-188.6	-176	-297.2	-
pH	SU	NV	-	-	7.08	7.11	7.81	7.92	6.8	6.08	6.94	5.84	6.72	-	6.98	6.93	6.99	6.93	-
Specific Conductivity	mS/cm	NV	-	-	2.414	2.365	2.195	2.315	1.959	2.339	1.909	1.973	2.017	-	2.983	2.962	3.259	2.997	-
Temperature	Deg C	NV	-	-	11.33	9.74	9.54	8.31	11.35	11.53	11.3	10.76	10.84	-	11.9	10.06	10.05	12.1	-
GASES																			
Ethane	ug/L	NV	-	-	2.4	5.7	3.9	4.3	6.1	7.3	-	6.1	7.8 H	-	-	< 83 U	< 170 U	4 J	-
Ethylene	ug/L	NV	-	-	19	190	42	51	87	170	-	140	140 H	-	-	88	< 150 U	160	-
Methane	ug/L	NV	-	-	79	190	110	170	200 D	230 D	-	210	240	-	-	230	340	320	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	0.428	0.378	0.407	0.392	0.423	0.366	-	0.326	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	0.482	0.391	0.371	0.354	0.507	0.93	-	1.23	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	0.0975	0.119	0.0924	0.145	0.124	0.118	-	0.143	153	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	0.00011	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	-	< 0.001 U	< 0.05 U	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	0.94	1.23	1.05	0.981	1.09	1.13	-	1.07	1130	-	-	1280	1390	1320	-
Total organic carbon	mg/L	NV	-	-	0.0049	0.0049	0.004	0.006	0.0049	0.0042	-	0.0037	3.4	-	-	2.7	3.3	3.6	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	0.6	< 5 U	< 5 U	< 25 U	2.2 J	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
1,1-Dichloroethane	ug/L	5	4.4	**5.4 J+**	4.6 J	**9.3 J**	**7.2**	**9.9 J**	**7.8 J**	**11 J**	**11 J**	**9 J**	< 80 U	< 100 U	< 100 U	< 80 U	**13**	< 100 UF1	< 100 U
1,1-Dichloroethene	ug/L	5	1.2	4.9 J	< 5 U	< 25 U	4.7 J	< 20 U	< 20 U	**11 J**	**9 J**	**7.6 J**	< 80 U	< 100 U	< 100 U	< 80 U	**14**	< 100 U	< 100 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	-	< 100 U	< 80 U	< 8 U	< 100 UF1	-
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 5 U	< 25 U	< 25 U	< 130 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 800 U	< 1000 U	< 1000 U	< 800 U	< 80 U	< 1000 U	< 1000 U
2-Hexanone	ug/L	50	< 5 U	< 25 U	< 25 U	< 130 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 400 U	< 500 U	< 500 U	< 400 U	< 40 U	< 500 UF1	< 500 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 25 U	< 25 U	< 130 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 400 U	< 500 U	< 500 U	< 400 U	< 40 U	< 500 UF1	< 500 U
Acetone	ug/L	50	< 5 U	6.4 J	< 25 U	< 130 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 800 U	< 1000 U	< 1000 U	< 800 U	< 80 U	< 1000 U	< 1000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Bromodichloromethane	ug/L	50	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Bromoform	ug/L	50	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Bromomethane	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Carbondisulfide	ug/L	60	1.5	< 5 U	< 5 U	< 25 U	1.6 J	< 20 U	< 20 U	25	26	20 J	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 U	< 100 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)
	Sample Date		10/21/2015	10/19/2016	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018	3/26/2019	9/24/2019	9/24/2019	1/13/2020	5/21/2020	8/17/2020	10/13/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Chlorobenzene	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Chloroethane	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	1.3 J	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Chloromethane	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
cis-1,2-Dichloroethene	ug/L	5	**460**	**1200 D**	**820**	**2700 D**	**1800 D**	**2500**	**2100**	**3200**	**3300**	**2500**	**2900**	**3300**	**3500**	**4100**	**4300**	**4600 F1**	**3500**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Dibromochloromethane	ug/L	50	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 100 U	< 100 U	-	-	-	< 100 U
m,p-xylene	ug/L	5	< 2 U	< 10 U	< 10 U	< 50 U	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 160 U	< 200 U	< 200 U	< 160 U	< 16 U	< 200 UF1	< 200 U
Methylene chloride	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
o-Xylene	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Styrene	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Tetrachloroethene	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Toluene	ug/L	5	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
trans-1,2-Dichloroethene	ug/L	5	2.6	**7.3**	4.3 J	**12 J**	**7.4**	**17 J**	**9.2 J**	**15 J**	**17 J**	**13 J**	< 80 U	< 100 U	< 100 U	< 80 U	**15**	< 100 UF1	< 100 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 5 U	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U	< 80 U	< 8 U	< 100 UF1	< 100 U
Trichloroethene	ug/L	5	2.2	5 J	2.6 J	**70 D**	**5.6**	**11 J**	**9.8 J**	**18 J**	**20 J**	**18 J**	< 80 U	< 100 U	< 100 U	< 80 U	**32**	< 100 UF1	< 100 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**140**	**430**	**430**	**1100 D**	**780**	**1100**	**1100**	**1900**	**1700**	**1300**	**1400**	**1400**	**1500**	**1800**	**2200**	**2600 F1**	**2200**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 200 U	< 200 U	-	-	-	< 200 U

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	89-04(1)	89-04(1)	89-04(1)	89-04(1)	89-04(1)	89-04(1)	89-10(1)	89-10(1)
	Sample Date		3/15/2021	10/8/2021	3/17/2022	3/17/2022	10/4/2022	10/18/2023	10/24/2024	10/24/2024	10/24/2024	10/30/2014	10/19/2016	10/30/2018	10/13/2020	10/4/2022	10/23/2024	11/13/2017	1/23/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	8.47	0.2	-	0.59	0	0.3	-	-	0.75	-	-	-	-	9.95	0.69	1.93	1.17
Oxidation Reduction Potential	mV	NV	-229	-269.9	-	-246.6	-249.6	-217.9	-	-	-351.4	-	-	-	-	-219.6	-4.321	-73.2	-293.4
pH	SU	NV	6.89	7.01	-	6.99	6.68	7.1	-	-	6.83	-	-	-	-	7.15	0.77	7.29	6.85
Specific Conductivity	mS/cm	NV	1.845	2.414	-	2.565	2.841	1.44	-	-	5.814	-	-	-	-	3.288	6.769	1.964	3.017
Temperature	Deg C	NV	10.16	13.3	-	12.6	12.5	12.1	-	-	12.6	-	-	-	-	13.4	14.6	14.23	11.48
GASES																			
Ethane	ug/L	NV	< 83 U	1.8 J	< 7.5 U	< 7.5 U	< 83 U	-	-	-	-	-	-	-	-	-	-	2.7	2.1
Ethylene	ug/L	NV	62 J	76	72	64	200	-	-	-	-	-	-	-	-	-	-	17	25
Methane	ug/L	NV	210	220	210	190	590	-	-	-	-	-	-	-	-	-	-	9.6	33
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.237	0.433
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.244	0.504
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.117	0.425
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00014	0.00011
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.001 U	< 0.001 U
Sulfate	mg/L	NV	1080	1140	1070	1060	1400	-	-	-	-	-	-	-	-	-	-	0.716	0.897
Total organic carbon	mg/L	NV	3.4	3.7	3.9	4.4	3.4	-	-	-	-	-	-	-	-	-	-	0.0031	0.1
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	2.3	< 0.82 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**9.4**	**85**
1,1,2,2-Tetrachloroethane	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
1,1,2-Trichloroethane	ug/L	1	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.23 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
1,1-Dichloroethane	ug/L	5	< 40 U	< 40 U	4.1	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	**5.5**	< 0.38 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**5.9**	**29**
1,1-Dichloroethene	ug/L	5	< 40 U	< 40 U	3.7 J	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	4	< 0.29 U	< 1 U	0.49	< 1 U	< 1 U	< 1 U	**5.1**	**20**
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 40 U	-	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.72 U	< 1 U	< 1 U	-	< 1 U	< 1 U	< 5 U	< 10 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 400 U	< 400 U	< 40 U	< 400 U	< 800 U	< 10 U	< 1000 U	< 20 U	< 10 U	< 1.3 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 25 U	< 50 U
2-Hexanone	ug/L	50	< 200 U	< 200 U	< 20 U	< 200 U	< 400 U	< 5 U	< 500 U	< 10 U	< 5 U	< 1.2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 50 U
4-Methyl-2-pentanone	ug/L	NV	< 200 U	< 200 U	< 20 U	< 200 U	< 400 U	< 5 U	< 500 U	< 10 U	< 5 U	< 2.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 50 U
Acetone	ug/L	50	< 400 U	< 400 U	< 40 U	< 400 U	< 800 U	< 10 U	< 1000 U	< 20 U	< 10 U	< 3 U	1.9	< 5 U	< 10 U	3.6 J	< 10 U	< 25 U	< 50 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.41 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Bromodichloromethane	ug/L	50	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.39 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Bromoform	ug/L	50	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Bromomethane	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.69 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Carbondisulfide	ug/L	60	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	12	11	9.9	4.1	1.3	4.3	1.3 J	**63**

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	89-04(1)	89-04(1)	89-04(1)	89-04(1)	89-04(1)	89-04(1)	89-10(1)	89-10(1)
	Sample Date		3/15/2021	10/8/2021	3/17/2022	3/17/2022	10/4/2022	10/18/2023	10/24/2024	10/24/2024	10/24/2024	10/30/2014	10/19/2016	10/30/2018	10/13/2020	10/4/2022	10/23/2024	11/13/2017	1/23/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.27 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Chlorobenzene	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.75 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Chloroethane	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Chloroform (trichloromethane)	ug/L	7	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	0.4 J	< 0.34 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2.5 J	< 10 U
Chloromethane	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.35 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
cis-1,2-Dichloroethene	ug/L	5	**2400**	**1800**	**1500**	**1400**	**2800**	4.5	**1100**	**48**	**1100**	2.3	2.1	2	1.2	0.89 J	1.1	**1400 D**	**4300 D**
cis-1,3-Dichloropropene	ug/L	0.4	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Dibromochloromethane	ug/L	50	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.74 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Freon 113	ug/L	NV	-	< 40 U	-	-	-	-	-	-	-	-	-	-	< 1 U	-	-	-	-
m,p-xylene	ug/L	5	< 80 U	< 80 U	< 8 U	< 80 U	< 160 U	< 2 U	< 200 U	< 4 U	< 2 U	< 0.66 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 20 U
Methylene chloride	ug/L	5	< 40 U	< 40 U	4.1	**23 J**	< 80 U	< 1 U	**47 J**	2.4	0.45 J	< 0.44 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**660**	**3700 D**
o-Xylene	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.76 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Styrene	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.73 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Tetrachloroethene	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Toluene	ug/L	5	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.51 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	**8.4 J**
trans-1,2-Dichloroethene	ug/L	5	< 40 U	< 40 U	4.3	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	**6.9**	< 0.9 U	0.41	0.41	< 1 U	< 1 U	< 1 U	3.5 J	**12**
Trans-1,3-Dichloropropene	ug/L	0.4	< 40 U	< 40 U	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U	< 0.37 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 10 U
Trichloroethene	ug/L	5	< 40 U	< 40 U	**6**	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	**5.2**	1.3	1.4	1.3	0.95 J	< 1 U	0.98 J	**1500 D**	**17000 D**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**1700**	**1300**	**1400**	**1300**	**3700**	**4.8**	**2100**	**88**	**2100**	< 0.9 U	0.4	0.4	< 1 U	< 1 U	< 1 U	**100**	**360**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	< 2 U	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
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N = Normal Sample
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VOC = Volatile organic compounds

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Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)
Sample Date			2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/27/2019	1/14/2020	5/26/2020	8/19/2020	3/17/2021	10/8/2021	3/21/2022	10/5/2022	3/15/2023	3/15/2023	10/16/2023	3/24/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	0.12	2.29	0	3	4.33	0.53	1.16	1.2	1.7	0.92	0.66	0	-	0.08	0.26	41.12
Oxidation Reduction Potential	mV	NV	-116.7	-189.9	-306.3	-325.4	-385.9	-341.3	-269.2	-337.6	-293.8	-376.4	-367.2	-356.1	-353.6	-	-334.2	-339.8	-263
pH	SU	NV	7.82	7.27	7.1	6.71	7.29	6.43	6.98	7.05	6.97	6.99	6.97	6.92	6.81	-	7.15	6.88	6.03
Specific Conductivity	mS/cm	NV	4.245	3.433	1.812	2.5	3.447	3.057	3.095	3.904	2.461	2.53	2.807	2.875	2.122	-	2.05	1.987	3.191
Temperature	Deg C	NV	12.11	9.85	13.57	16.7	11.21	11.56	12.4	14.33	16.6	11.14	15.1	12.2	14.7	-	10.8	14.1	9.71
GASES																			
Ethane	ug/L	NV	4	5.4	1.7	3	6.3	10 H	< 83 U	< 170 U	< 7.5 U	13	< 83 U	10	2.3 J	< 41 U	< 83 U	2.8 J	5.6 J
Ethylene	ug/L	NV	71	130 D	66	140 D	160	99 H	300	280	120	250	190	380	100	330	360	270	140
Methane	ug/L	NV	10	15	11	32	66	58 H	120	94	60	300	32 J	89	53	100	110	39	28
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	0.4	0.426	0.352	0.497	0.761	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	0.364	0.421	0.365	0.631	0.748	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	0.961	0.735	0.246	0.176	0.197	266	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	< 0.0001 U	< 0.0001 U	0.00034	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.046 J	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	0.678	0.737	0.618	0.768	0.727	974	1090	853	710	845	986	1050	833	860	815	822	671
Total organic carbon	mg/L	NV	0.0488	0.0362	0.0118	0.0208	0.0354	56.1	2.6	47.4	15.4	32.3	36	53.7	7.4	17.1	13.1 B	5.2	200
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**23 J**	**31 J**	**44 J**	**80**	**120**	< 500 U	**25**	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
1,1,2-Trichloroethane	ug/L	1	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
1,1-Dichloroethane	ug/L	5	< 50 U	**18 J**	**13 J**	**35 J**	**57**	< 500 U	**15**	< 80 U	< 80 U	< 80 U	**59 J**	**130**	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
1,1-Dichloroethene	ug/L	5	< 50 U	< 50 U	< 50 U	**20 J**	**33 J**	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	**45 J**	**81 J**	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	-	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 5000 U	< 80 U	< 800 U	< 800 U	< 800 U	< 1000 U	< 1000 U	< 5000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
2-Hexanone	ug/L	50	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 2500 U	< 40 U	< 400 U	< 400 U	< 400 U	< 500 U	< 500 U	< 2500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U
4-Methyl-2-pentanone	ug/L	NV	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 2500 U	< 40 U	< 400 U	< 400 U	< 400 U	< 500 U	< 500 U	< 2500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U
Acetone	ug/L	50	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 5000 U	< 80 U	< 800 U	< 800 U	< 800 U	< 1000 U	< 1000 U	< 5000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Bromodichloromethane	ug/L	50	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Bromoform	ug/L	50	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Bromomethane	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Carbondisulfide	ug/L	60	45 J	**210**	26 J	**160**	**360**	< 500 U	< 8 U	**61 J**	< 80 U	**61 J**	**99 J**	**180**	< 500 U	41 J	< 200 U	< 200 U	< 200 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)
	Sample Date		2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/27/2019	1/14/2020	5/26/2020	8/19/2020	3/17/2021	10/8/2021	3/21/2022	10/5/2022	3/15/2023	3/15/2023	10/16/2023	3/24/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Chlorobenzene	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Chloroethane	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Chloroform (trichloromethane)	ug/L	7	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Chloromethane	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
cis-1,2-Dichloroethene	ug/L	5	**1200**	**1900**	**1500**	**3600**	**5000**	**6600**	**4500**	**4800**	**3300**	**2500**	**11000**	**29000**	**9100**	**6500**	**5100**	**13000**	**6400**
cis-1,3-Dichloropropene	ug/L	0.4	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Dibromochloromethane	ug/L	50	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	600	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 1000 U	< 16 U	< 160 U	< 160 U	< 160 U	< 200 U	< 200 U	< 1000 U	< 400 U	< 400 U	< 400 U	< 400 U
Methylene chloride	ug/L	5	**1600**	**4400**	**860**	**2100**	**3100**	**3400**	< 8 U	**1700**	**900**	**2200**	**5700**	**9900**	**6500**	**1700**	**1100**	**990**	**3200**
o-Xylene	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Styrene	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Tetrachloroethene	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Toluene	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
trans-1,2-Dichloroethene	ug/L	5	< 50 U	< 50 U	< 50 U	< 50 U	**15 J**	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U
Trichloroethene	ug/L	5	**4600**	**6400**	**7200**	**8900**	**14000 D**	**19000**	**50**	**7600**	**3900**	**5700**	**11000**	**16000**	**14000**	**3700**	**2300**	**3000**	**3900**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**230**	**400**	**160**	**450**	**480**	**490 J**	**500**	**1200**	**450**	**550**	**1900**	**3600**	**1600**	**2100**	**1800**	**2500**	**1000**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			89-10(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)
Sample Date			10/23/2024	5/23/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/27/2019	1/14/2020	5/22/2020	8/18/2020	3/15/2021	10/4/2021	3/18/2022	10/5/2022
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.67	-	2.71	2.01	0.48	0.29	2.87	0.27	1.59	13.69	1.03	1.8	3.09	1.47	0.16	0.53	0
Oxidation Reduction Potential	mV	NV	-425.1	-	-35.3	-291.7	-98.6	-167.4	-291.8	-185.2	-174	-286	-172.5	-151.9	-219.6	-219.3	-179.5	-263.6	-249
pH	SU	NV	7.05	-	7.37	7.2	7.95	7.7	7.16	7.09	6.15	6.87	6.98	7.01	7.11	8.35	7.02	7.1	7.01
Specific Conductivity	mS/cm	NV	49.59	-	1.773	2.732	3.156	3.009	1.997	2.086	1.999	2.59	3.06	3.107	2.446	2.61	2.734	3.45	0.0037
Temperature	Deg C	NV	16.2	-	13.61	11.52	11.43	9.49	13.38	15.85	13.6	11.98	13.64	11.65	15.1	11.94	15.1	12.6	13.59
GASES																			
Ethane	ug/L	NV	6.4 J	-	< 1 U	1.9	3.3	< 10 U	< 10 U	< 10 U	< 5.2 U	< 7.5 U	< 7.5 U	< 83 U	< 83 U	< 7.5 U	< 83 U	< 7.5 U	< 83 U
Ethylene	ug/L	NV	130	-	5.7	140	330	370	480	600	390	440	260	240	190	190	170	150	130
Methane	ug/L	NV	18	-	11	30	31	30	42	400	38	42	37	38 J	40 J	40	37 J	38	110
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	0.234	0.466	0.308	0.298	0.286	0.258	0.234	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	0.241	0.468	0.278	0.274	0.292	0.269	0.538	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	0.112	0.319	0.531	0.504	0.207	0.155	0.205	468	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	< 0.0001 U	0.00017	0.00011	0.00014	0.0009	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.041 J	-	-	-	-	-	-	-
Sulfate	mg/L	NV	800 B	-	0.617	0.734	0.822	0.972	0.872	0.848	0.91	1010	1040	1190	899 F1	1150	1210	1030	1270
Total organic carbon	mg/L	NV	3.4 B	-	0.0034	0.0356	0.0047	0.0068	0.0039	0.0036	0.0034	2	2.5	3.2	2.9	2.9	3.1	3.1	2.8
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 10 U	**22 J**	**13**	**17**	**17**	**21**	**18**	**39**	**17**	**15**	**17**	**16**	**15**	**19**	**16**	< 10 U	**36**
1,1,2,2-Tetrachloroethane	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
1,1,2-Trichloroethane	ug/L	1	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
1,1-Dichloroethane	ug/L	5	**8.1 J**	**9 J**	**6.3**	**21**	**15**	**14**	**11**	**42**	**12**	**12**	**14**	**12**	**10**	**13**	**12**	**13**	**19**
1,1-Dichloroethene	ug/L	5	< 10 U	< 25 U	3.7 J	< 10 U	< 5 U	< 5 U	0.64 J	**6.8**	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	-	< 10 U	< 10 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 100 U	**130**	< 25 U	< 50 U	< 25 U	< 25 U	< 10 U	< 10 U	< 10 U	< 40 U	< 40 U	< 40 U	< 50 U	< 40 U	< 100 U	< 100 U	< 100 U
2-Hexanone	ug/L	50	< 50 U	**130**	< 25 U	< 50 U	< 25 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 25 U	< 20 U	< 50 U	< 50 U	< 50 U
4-Methyl-2-pentanone	ug/L	NV	< 50 U	130	< 25 U	< 50 U	< 25 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 25 U	< 20 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	50	< 100 U	36 J	8.7 J	< 10 U	9.9 J	< 25 U	< 10 U	< 10 U	< 10 U	< 40 U	< 40 U	< 40 U	< 50 U	< 40 U	< 100 U	< 100 U	< 100 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Bromodichloromethane	ug/L	50	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Bromoform	ug/L	50	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Bromomethane	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Carbondisulfide	ug/L	60	< 10 U	< 25 U	< 5 U	47	8.6	8.5	1.6	22	2.2	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		89-10(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)
	Sample Date		10/23/2024	5/23/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/27/2019	1/14/2020	5/22/2020	8/18/2020	3/15/2021	10/4/2021	3/18/2022	10/5/2022
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Chlorobenzene	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Chloroethane	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Chloroform (trichloromethane)	ug/L	7	< 10 U	< 25 U	3 J	< 10 U	< 5 U	< 5 U	< 2 U	0.91 J	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Chloromethane	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
cis-1,2-Dichloroethene	ug/L	5	**1600**	**4300**	**1300 D**	**1900**	**880**	**420**	**180**	**2400 D**	**61**	**55**	**110**	**180**	**170**	**330**	**260**	**190**	**600**
cis-1,3-Dichloropropene	ug/L	0.4	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Dibromochloromethane	ug/L	50	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-
m,p-xylene	ug/L	5	< 20 U	< 50 U	< 10 U	< 20 U	< 10 U	< 10 U	< 4 U	0.43 J	< 4 U	< 8 U	< 8 U	< 8 U	< 10 U	< 8 U	< 20 U	< 20 U	< 20 U
Methylene chloride	ug/L	5	**190**	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	**15**	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	4.5 J	< 10 U	< 10 U
o-Xylene	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	0.47 J	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Styrene	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Tetrachloroethene	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Toluene	ug/L	5	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	0.74 J	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
trans-1,2-Dichloroethene	ug/L	5	< 10 U	**19 J**	**6**	**5.1 J**	3.9 J	3.2 J	3	**8.9**	2.5	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 10 U	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 5 U	< 4 U	< 10 U	< 10 U	< 10 U
Trichloroethene	ug/L	5	**340**	**490**	**23**	**42**	**30**	**20**	**16**	**61**	4.3	**5.9**	**5.8**	4.2	4 J	5	< 10 U	**5.3 J**	**8.3 J**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**600**	**270**	**110**	**800**	**780**	**580**	**230**	**1700 D**	**220**	**190**	**320**	**320**	**300**	**650**	**540**	**620**	**2000**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			89-12(1)	89-12(1)	89-12(1)	89-14(0)	89-14(0)	89-14(0)	89-14(0)	89-14(0)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)
Sample Date			10/16/2023	10/22/2024	10/22/2024	10/30/2014	10/30/2018	10/14/2020	10/6/2022	10/23/2024	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/14/2020	10/11/2021
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.37	-	1.88	-	-	-	0.43	6.24	-	-	-	-	-	-	0.51	-	3.62
Oxidation Reduction Potential	mV	NV	117.6	-	-286.5	-	-	-	-132.4	-47.4	-	-	-	-	-	-	-307.7	-	-284.2
pH	SU	NV	6.91	-	6.98	-	-	-	6.53	6.76	-	-	-	-	-	-	7.15	-	6.96
Specific Conductivity	mS/cm	NV	2.347	-	6.668	-	-	-	4.626	7.44	-	-	-	-	-	-	2.655	-	2.813
Temperature	Deg C	NV	14.2	-	16.6	-	-	-	16	16.1	-	-	-	-	-	-	13	-	14.8
GASES																			
Ethane	ug/L	NV	< 7.5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	1170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.82 U	< 1 U	< 4 U	< 2 U	< 2 U	2.6	< 3.3 U	1.1	2	2.2	0.46	< 4 U	< 1 U	1.1
1,1,2,2-Tetrachloroethane	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.21 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.42 U	< 0.84 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 40 U	< 200 U	< 40 U	< 0.23 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.46 U	< 0.92 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**18 J**	< 200 U	**20 J**	< 0.38 U	< 1 U	< 4 U	< 2 U	< 2 U	**22**	**17**	**16**	**20**	**17**	**11**	**10**	**7**	**9.4**
1,1-Dichloroethene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.29 U	< 1 U	< 4 U	< 2 U	< 2 U	1.3	< 1.2 U	< 2 U	< 2 U	< 2 U	0.41	< 4 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 40 U	< 200 U	< 40 U	< 0.21 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.42 U	< 0.84 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 40 U	< 200 U	< 40 U	< 0.72 U	< 1 U	-	< 2 U	< 2 U	< 1.4 U	< 2.9 U	< 2 U	< 2 U	< 2 U	< 1 U	-	-	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 400 U	< 2000 U	< 400 U	< 1.3 U	< 5 U	< 40 U	< 20 U	< 20 U	< 2.6 U	< 5.3 U	< 10 U	< 10 U	< 10 U	< 5 U	< 40 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 200 U	< 1000 U	< 200 U	< 1.2 U	< 5 U	< 20 U	< 10 U	< 10 U	< 2.5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 5 U	< 20 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 200 U	< 1000 U	< 200 U	< 2.1 U	< 5 U	< 20 U	< 10 U	< 10 U	< 4.2 U	< 8.4 U	< 10 U	< 10 U	< 10 U	< 5 U	< 20 U	< 5 U	< 5 U
Acetone	ug/L	50	< 400 U	< 2000 U	< 400 U	< 3 U	< 5 U	< 40 U	< 20 U+	< 20 U	< 6 U	< 12 U	< 10 U	3.9	4.4	< 5 U	< 40 U	< 10 U	< 10 U+
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 40 U	< 200 U	< 40 U	< 0.41 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.82 U	< 1.6 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 40 U	< 200 U	< 40 U	< 0.39 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.78 U	< 1.6 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 40 U	< 200 U	< 40 U	< 0.26 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.52 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.69 U	< 1 U	< 4 U	< 2 U	< 2 U	< 1.4 U	< 2.8 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 40 U	< 200 U	< 40 U	< 0.19 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.38 U	< 0.76 U	< 2 U	0.8	< 2 U	1.8	< 4 U	< 1 U	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		89-12(1)	89-12(1)	89-12(1)	89-14(0)	89-14(0)	89-14(0)	89-14(0)	89-14(0)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)	89-14(1)
	Sample Date		10/16/2023	10/22/2024	10/22/2024	10/30/2014	10/30/2018	10/14/2020	10/6/2022	10/23/2024	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/14/2020	10/11/2021
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.27 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.54 U	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.75 U	< 1 U	< 4 U	< 2 U	< 2 U	< 1.5 U	< 3 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.32 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.64 U	< 1.3 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 40 U	< 200 U	< 40 U	< 0.34 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.68 U	< 1.4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.35 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.7 U	< 1.4 U	< 2 U	< 2 U	< 2 U	0.3	< 4 U	< 1 U	< 1 U+
cis-1,2-Dichloroethene	ug/L	5	**320**	**350**	**390**	< 0.81 U	< 1 U	< 4 U	< 2 U	< 2 U	**220**	**160**	**110**	**130**	**65**	**49**	**44**	**31**	**28**
cis-1,3-Dichloropropene	ug/L	0.4	< 40 U	< 200 U	< 40 U	< 0.36 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.72 U	< 1.4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 40 U	< 200 U	< 40 U	< 0.32 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.64 U	< 1.3 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.74 U	< 1 U	< 4 U	< 2 U	< 2 U	< 1.5 U	< 3 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	< 4 U	-	-	-	-	-	-	-	-	< 4 U	< 1 U	-
m,p-xylene	ug/L	5	< 80 U	< 400 U	< 80 U	< 0.66 U	< 2 U	< 8 U	< 4 U	< 4 U	< 1.3 U	< 2.6 U	< 4 U	< 4 U	< 4 U	< 2 U	< 8 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	< 40 U	< 200 U	**23 J**	< 0.44 U	< 1 U	< 4 U	< 2 U	1.4 J	< 0.88 U	< 1.8 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.76 U	< 1 U	< 4 U	< 2 U	< 2 U	< 1.5 U	< 3 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Styrene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.73 U	< 1 U	< 4 U	< 2 U	< 2 U	< 1.5 U	< 2.9 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.36 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.72 U	< 1.4 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Toluene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.51 U	< 1 U	< 4 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.9 U	< 1 U	< 4 U	< 2 U	< 2 U	< 1.8 U	< 3.6 U	1.6	2.3	1.7	1.3	< 4 U	< 1 U	1.2
Trans-1,3-Dichloropropene	ug/L	0.4	< 40 U	< 200 U	< 40 U	< 0.37 U	< 1 U	< 4 U	< 2 U	< 2 U	< 0.74 U	< 1.5 U	< 2 U	< 2 U	< 2 U	< 1 U	< 4 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	< 40 U	< 200 U	< 40 U	< 0.46 U	< 1 U	< 4 U	< 2 U	< 2 U	2.3	< 1.8 U	1.5	1.7	1.8	0.96	< 4 U	0.63 J	1.1
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**850**	**840**	**980**	< 0.9 U	< 1 U	< 4 U	< 2 U	< 2 U	**240**	**250**	**220**	**250**	**290**	**140**	**160**	**74**	**150**
Xylene (total)	ug/L	NV	-	-	-	-	-	< 8 U	-	-	-	-	-	-	-	-	< 8 U	< 2 U	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
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Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			89-14(1)	89-14(1)	89-14(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)
Sample Date			10/6/2022	10/18/2023	10/23/2024	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018	3/27/2019	9/25/2019
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0	0.19	1.05	-	-	-	-	1.74	0.68	2.73	0.34	1.74	0.33	-	1.82	7.08	0.73
Oxidation Reduction Potential	mV	NV	-288.2	-260.3	-281.3	-	-	-	-	-20.3	-153.8	-130.4	-223.9	-242	-282.4	-	-461.6	-334.3	-363.7
pH	SU	NV	6.65	6.95	6.86	-	-	-	-	7.39	6.74	8.06	7.2	7.58	6.35	7.02	7.27	6.67	7.03
Specific Conductivity	mS/cm	NV	2.458	2.57	7.615	-	-	-	-	1.545	1.211	1.316	1.326	1.514	1.264	1.226	1.73	1.431	1.819
Temperature	Deg C	NV	13.3	13.2	14.7	-	-	-	-	14.24	10.46	10.68	9.03	13.9	15.65	14.8	13.18	12.15	16.04
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	< 1 U	3.6	< 2.5 U	3	< 5.2 U	1.4	-	< 10 U	< 7.5 U	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	< 1 U	69	150	220 D	340	300 D	-	620	550 H	-
Methane	ug/L	NV	-	-	-	-	-	-	-	21	30	58	110	78	540 D	-	530	200 H	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	0.287	0.53	0.595	0.644	0.469	0.462	-	0.656	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	0.277	0.66	0.534	0.648	0.437	0.82	-	0.648	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	0.105	0.076	0.0833	0.106	0.0853	0.0825	-	0.127	128	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	0.00013	0.0043	0.00014	0.00013	< 0.0001 U	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	-	< 0.001 U	0.052	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	0.386	0.0408	0.0633	0.0335	0.241	0.19	-	0.0163	53.8	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	0.0034	0.141	0.083	0.0593	0.0189	0.0141	-	0.0182	8.6	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 2 U	**44**	< 2 U	< 160 U	< 160 U	< 250 U	**230 J**	0.97 J	2.2	< 50 U	< 50 U	**21**	1.1 J	1.7	**22**	< 400 U	< 400 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 2 U	< 2 U	< 2 U	< 42 U	< 42 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
1,1,2-Trichloroethane	ug/L	1	< 2 U	< 2 U	< 2 U	< 46 U	< 46 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
1,1-Dichloroethane	ug/L	5	**9.8**	**17**	**8.4**	< 76 U	< 76 U	< 250 U	< 250 U	3.9	3.7	< 50 U	< 50 U	3.8 J	4.5	**9.3**	**31**	< 400 U	< 400 U
1,1-Dichloroethene	ug/L	5	< 2 U	< 2 U	< 2 U	< 58 U	< 58 U	< 250 U	< 250 U	0.66 J	2.3	< 50 U	< 50 U	< 5 U	< 2 U	1.8	**18 J**	< 400 U	< 400 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 2 U	< 2 U	< 2 U	< 42 U	< 42 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 2 U	< 2 U	< 2 U	< 140 U	< 140 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 20 U	< 20 U	< 20 U	< 260 U	< 260 U	< 1300 U	< 1300 U	< 5 U	5.3	< 250 U	< 250 U	< 25 U	< 10 U	2.8 J	< 100 U	< 4000 U	< 4000 U
2-Hexanone	ug/L	50	< 10 U	< 10 U	< 10 U	< 250 U	< 250 U	< 1200 U	< 1300 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 10 U	< 5 U	< 100 U	< 2000 U	< 2000 U
4-Methyl-2-pentanone	ug/L	NV	< 10 U	< 10 U	< 10 U	< 420 U	< 420 U	< 1200 U	< 1300 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 10 U	< 5 U	< 100 U	< 2000 U	< 2000 U
Acetone	ug/L	50	< 20 U+	< 20 U	< 20 U	< 600 U	< 600 U	< 1200 U	< 1300 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	6.3 J	< 5 U	< 100 U	< 4000 U	< 4000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 2 U	< 2 U	< 2 U	< 82 U	< 82 U	< 250 U	< 250 U	< 1 U	0.21 J	< 50 U	< 50 U	< 5 U	< 2 U	0.34 J	< 20 U	< 400 U	< 400 U
Bromodichloromethane	ug/L	50	< 2 U	< 2 U	< 2 U	< 78 U	< 78 U	< 250 U	**130 J**	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Bromoform	ug/L	50	< 2 U	< 2 U	< 2 U	< 52 U	< 52 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Bromomethane	ug/L	5	< 2 U	< 2 U	< 2 U	< 140 U	< 140 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Carbondisulfide	ug/L	60	< 2 U	< 2 U	< 2 U	< 38 U	< 38 U	< 250 U	**110 J**	0.26 J	5.5	49 J	**310**	16	15	**200**	**140**	< 400 U	< 400 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		89-14(1)	89-14(1)	89-14(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)
	Sample Date		10/6/2022	10/18/2023	10/23/2024	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018	3/27/2019	9/25/2019
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 2 U	< 2 U	< 2 U	< 54 U	< 54 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Chlorobenzene	ug/L	5	< 2 U	< 2 U	< 2 U	< 150 U	< 150 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Chloroethane	ug/L	5	< 2 U	< 2 U	< 2 U	< 64 U	< 64 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Chloroform (trichloromethane)	ug/L	7	< 2 U	< 2 U	< 2 U	< 68 U	< 68 U	< 250 U	**410**	< 1 U	1.2	< 50 U	< 50 U	< 5 U	< 2 U	1.9	**11 J**	< 400 U	< 400 U
Chloromethane	ug/L	5	< 2 U	< 2 U	< 2 U	< 70 U	< 70 U	< 250 U	< 250 U	0.26 J	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
cis-1,2-Dichloroethene	ug/L	5	**28**	**120**	**16**	**4000**	**6400**	**4800**	**17000**	**62**	**460 D**	**640**	**790**	**150**	**49**	**290 D**	**3100**	**7000**	**5700**
cis-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 2 U	< 2 U	< 72 U	< 72 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Dibromochloromethane	ug/L	50	< 2 U	< 2 U	< 2 U	< 64 U	< 64 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 2 U	< 2 U	< 2 U	< 150 U	< 150 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300 J
m,p-xylene	ug/L	5	< 4 U	< 4 U	< 4 U	< 130 U	< 130 U	< 750 U	< 500 U	< 2 U	< 2 U	< 100 U	< 100 U	< 10 U	< 4 U	< 2 U	< 40 U	< 800 U	< 800 U
Methylene chloride	ug/L	5	< 2 U	< 2 U	1.3 J	**32000**	**36000**	**25000**	**110000 D**	< 1 U	**360 D**	**7700**	**15000 D**	**670**	**11**	**380 D**	**14000 D**	**17000**	**18000**
o-Xylene	ug/L	5	< 2 U	< 2 U	< 2 U	< 150 U	< 150 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Styrene	ug/L	5	< 2 U	< 2 U	< 2 U	< 150 U	< 150 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Tetrachloroethene	ug/L	5	< 2 U	< 2 U	< 2 U	< 72 U	< 72 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Toluene	ug/L	5	< 2 U	< 2 U	< 2 U	< 100 U	< 100 U	< 250 U	< 250 U	< 1 U	0.49 J	< 50 U	< 50 U	< 5 U	< 2 U	0.47 J	4.2 J	< 400 U	< 400 U
trans-1,2-Dichloroethene	ug/L	5	< 2 U	< 2 U	< 2 U	< 180 U	< 180 U	< 250 U	< 250 U	0.44 J	3	< 50 U	< 50 U	2 J	1.1 J	4.2	**21**	< 400 U	< 400 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 2 U	< 2 U	< 2 U	< 74 U	< 74 U	< 250 U	< 250 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U	< 20 U	< 400 U	< 400 U
Trichloroethene	ug/L	5	< 2 U	1.7 J	< 2 U	**20000**	**62000**	**43000**	**140000 D**	**5.1**	**280 D**	**410**	**510**	**110**	**27**	**130**	**4400 D**	**8400**	**3700**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**160**	**230**	**75**	**210**	**200**	**210**	**390**	**20**	**270 D**	**550**	**840**	**93**	**38**	**190 D**	**1100**	**1300**	**1300**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 800 U

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)
	Sample Date		1/16/2020	5/26/2020	8/21/2020	10/14/2020	3/19/2021	10/13/2021	3/23/2022	10/11/2022	3/16/2023	10/18/2023	3/26/2024	10/25/2024	10/22/2013	4/11/2014	10/30/2014	6/20/2015	10/21/2015
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.6	7.25	0.46	-	1.51	0.28	0.56	0	0.41	0.28	0.08	0.75	-	-	-	-	-
Oxidation Reduction Potential	mV	NV	-310.1	-292.4	-342.9	-	-289.5	-377.9	-317.5	-584.8	-346.7	-365	-363.8	-442.3	-	-	-	-	-
pH	SU	NV	7.01	7.25	6.86	-	8.2	7.12	6.58	6.56	7.11	7.3	6.94	7.24	-	-	-	-	-
Specific Conductivity	mS/cm	NV	1.649	1.834	1.686	-	1.136	1.838	2.017	1.709	1.244	1.331	1.826	3.638	-	-	-	-	-
Temperature	Deg C	NV	11.57	13.78	16	-	11.4	16.6	10.1	15.5	11.8	15.2	12.4	16.3	-	-	-	-	-
GASES																			
Ethane	ug/L	NV	< 170 U	< 7.5 U	< 170 U	-	< 7.5 U	35 J	< 170 U	< 660 U	< 170 U	< 660 U	< 170 U	< 330 U	-	-	-	-	-
Ethylene	ug/L	NV	870	1000	700	-	490	450	920	860	960	680	780	330	-	-	-	-	-
Methane	ug/L	NV	850	320	570	-	510	720	1300	2700	2900	3100	4500	1800	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	< 10 U	65	31.9	-	59.1	104	6.3 J	29.6	36.3	151	9 J	97.3	-	-	-	-	-
Total organic carbon	mg/L	NV	13.3	5.9	5.2 J	-	5.7	5.2	97.8	42.8	20	9.3	61	8.2 J	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	**97**	< 100 U	< 1000 U	< 200 U	< 200 U	2.8	3.6	< 8 U	< 0.82 U	< 1 U	< 0.82 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.21 U	< 1 U	< 0.21 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.23 U	< 1 U	< 0.23 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 400 U	**180 J**	< 400 U	**46 J**	**95**	**68 J**	< 1000 U	< 200 U	< 200 U	**26**	**21**	**19**	< 0.38 U	< 1 U	< 0.38 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	3.1	< 8 U	< 0.29 U	< 1 U	< 0.29 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.21 U	< 1 U	< 0.21 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 400 U	< 400 U	< 400 U	-	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.72 U	< 1 U	< 0.72 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 4000 U	< 4000 U	< 4000 U	< 800 U	< 800 U	< 1000 U	< 10000 U	< 2000 U	< 2000 U	< 20 U	< 20 U	< 80 U	< 1.3 U	< 5 U	< 1.3 U	< 5 U	< 5 U
2-Hexanone	ug/L	50	< 2000 U	< 2000 U	< 2000 U	< 400 U	< 400 U	< 500 U	< 5000 U	< 1000 U	< 1000 U	< 10 U	< 10 U	< 40 U	< 1.2 U	< 5 U	< 1.2 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 2000 U	< 2000 U	< 2000 U	< 400 U	< 400 U	< 500 U	< 5000 U	< 1000 U	< 1000 U	< 10 U	< 10 U	< 40 U	< 2.1 U	< 5 U	< 2.1 U	< 5 U	< 5 U
Acetone	ug/L	50	< 4000 U	< 4000 U	< 4000 U	< 800 U	< 800 U+	< 1000 U	< 10000 U	< 2000 U	< 2000 U	< 20 U	8.8 J	< 80 U	< 3 U	< 5 U	< 3 U	< 5 U	< 5 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.41 U	< 1 U	< 0.41 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.39 U	< 1 U	< 0.39 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U+	< 0.26 U	< 1 U	< 0.26 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.69 U	< 1 U	< 0.69 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	49 J	< 1000 U	< 200 U	< 200 U	< 2 U	3.3	< 8 U	1.2	< 1 U	1.2	< 1 U	4.5

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)
	Sample Date		1/16/2020	5/26/2020	8/21/2020	10/14/2020	3/19/2021	10/13/2021	3/23/2022	10/11/2022	3/16/2023	10/18/2023	3/26/2024	10/25/2024	10/22/2013	4/11/2014	10/30/2014	6/20/2015	10/21/2015
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U+	< 0.27 U	< 1 U	< 0.27 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.75 U	< 1 U	< 0.75 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.32 U	< 1 U	< 0.32 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	1.1 J	< 8 U	< 0.34 U	< 1 U	< 0.34 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 UF1	< 200 U	< 2 U	< 2 U	< 8 U+	< 0.35 U	< 1 U	< 0.35 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**3800**	**13000**	**4100**	**4000**	**7900**	**5900**	**9000**	**3300**	**3100**	**140**	**370**	**38**	< 0.81 U	< 1 U	< 0.81 U	< 1 U	0.37
cis-1,3-Dichloropropene	ug/L	0.4	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.36 U	< 1 U	< 0.36 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U+	< 0.32 U	< 1 U	< 0.32 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.74 U	< 1 U	< 0.74 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 800 U	< 800 U	< 800 U	< 160 U	< 160 U	< 200 U	< 2000 U	< 400 U	< 400 U	< 4 U	< 4 U	< 16 U	< 0.66 U	< 2 U	< 0.66 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	**11000**	**37000**	**8300**	**5300**	**7700**	**35000**	**33000**	**10000 F1**	**3400**	1.5 J	**7**	**10**	< 0.44 U	< 1 U	< 0.44 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.76 U	< 1 U	< 0.76 U	< 1 U	< 1 U
Styrene	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.73 U	< 1 U	< 0.73 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.36 U	< 1 U	< 0.36 U	< 1 U	< 1 U
Toluene	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	1 J	1.6 J	< 8 U	< 0.51 U	< 1 U	< 0.51 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	**7.4**	**8.8**	< 8 U	< 0.9 U	< 1 U	< 0.9 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U	< 0.37 U	< 1 U	< 0.37 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	**2400**	**5100**	**1600**	**1100**	**2000**	**2300**	**1500**	**670**	**730**	**67**	**200**	**24**	< 0.46 U	< 1 U	< 0.46 U	< 1 U	< 1 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**770**	**4200**	**1800**	**2000**	**2400**	**2600**	**2900**	**670**	**660**	**130**	**490**	**34**	< 0.9 U	< 1 U	< 0.9 U	< 1 U	< 1 U
Xylene (total)	ug/L	NV	-	-	-	< 160 U	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)
	Sample Date		4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	6/29/2020	10/12/2020	4/14/2021	4/14/2021	10/7/2021	4/11/2022	4/11/2022	10/3/2022	4/11/2023
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	-	-	-	0	-	-	-	-	-	0.25	-	-	0	4.4
Oxidation Reduction Potential	mV	NV	-	-	-	-	-	-	-269.8	-	-	-	-	-	-301.6	-	-	-242	-160.4
pH	SU	NV	-	-	-	-	-	-	6.79	-	-	-	-	6.97	6.98	-	-	7.19	7.19
Specific Conductivity	mS/cm	NV	-	-	-	-	-	-	2.358	-	-	-	-	0.976	2.659	-	-	0.00299	3.02
Temperature	Deg C	NV	-	-	-	-	-	-	11.8	-	-	-	-	11.78	12.8	-	-	16.22	12.7
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-	-	-	-	-	-	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U+	< 10 U+F1	< 10 U	< 10 UF1
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UF1	< 5 U	< 5 U+	< 5 U+F1	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UF1	< 5 U	< 5 U+	< 5 U+F1	< 5 U	< 5 U
Acetone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U+	< 10 U+F1	< 10 U	< 10 U	< 10 U	3.2 J	< 10 UF1
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2
Carbondisulfide	ug/L	60	2	0.23	0.33	0.3	1.3	0.82	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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Former Bell Aerospace Textron Inc.
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	Location		93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)	93-03(1)
	Sample Date		4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	6/29/2020	10/12/2020	4/14/2021	4/14/2021	10/7/2021	4/11/2022	4/11/2022	10/3/2022	4/11/2023
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	< 1 U	0.9	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 UF1	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	1.7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1
Toluene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U+	< 1 U	< 1 U
Trichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	NV	-	-	-	-	-	-	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
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E = Compound exceeds the calibration range.
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Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		93-03(1)	93-03(1)	93-03(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)
	Sample Date		10/19/2023	4/29/2024	10/22/2024	5/23/2017	12/10/2018	3/26/2019	1/17/2020	5/27/2020	8/18/2020	3/16/2021	10/5/2021	3/23/2022	10/6/2022	5/23/2017	11/14/2017	1/23/2018	1/24/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.28	8.33	0.95	-	1.21	0.52	0.69	1.2	0.94	2.11	0.26	1.14	0	-	6.59	-	3.32
Oxidation Reduction Potential	mV	NV	-301.4	-297.9	-342.3	-	-337.7	-296.2	-270.7	-76.7	-249.5	-169.3	-271.2	94.9	-312	-	-113.8	-	-96.2
pH	SU	NV	6.84	6.95	7.01	-	7.41	6.72	6.89	7.05	7.1	7.06	7.01	7.16	6.86	-	8.55	-	7.64
Specific Conductivity	mS/cm	NV	2.315	2.92	6.741	-	2.666	2.248	2.872	2.75	2.673	1.87	2.641	1.84	0.00355	-	0.739	-	1.182
Temperature	Deg C	NV	12	12.3	12.3	-	12.04	12.83	12.33	14.77	16.6	12.87	16.2	12.4	16	-	10.94	-	7.1
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	< 7.5 U	< 7.5 U	< 7.5 U	< 83 U	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	-	1.4	-	2.2
Ethylene	ug/L	NV	-	-	-	-	-	420	480	160	210	110	200	39	110	-	18	-	19
Methane	ug/L	NV	-	-	-	-	-	150	320	80	210	84	160	14	100	-	80	-	67
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	423	-	549
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	398	-	508
Chloride	mg/L	NV	-	-	-	-	-	163	-	-	-	-	-	-	-	-	87.2	-	109
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	-	< 0.1 U
Nitrate	mg/L	NV	-	-	-	-	-	0.02 J	-	-	-	-	-	-	-	-	< 1 U	-	< 1 U
Sulfate	mg/L	NV	-	-	-	-	-	930	888	1070	975	1060	1070	310	1090	-	158	-	123
Total organic carbon	mg/L	NV	-	-	-	-	-	2.6	2.5	2.9	3.1	2.9	3.5	1.3	2.6	-	7.9	-	56.9
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	**48**	**40**	**44**	**55**	**37 J**	**130**	**32**	**32**	**13**	**25**	**780**	**930**	**1100**	**1100**
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
1,1-Dichloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	**29**	**29**	**35**	**44**	< 40 U	**110**	**24**	**27**	**11**	**19 J**	**350 J**	**450 J**	**430 J**	**430 J**
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	2 J	< 10 U	**6.3 J**	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	**310 J**	**380 J**	**380 J**	**380 J**
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	-	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 10 U	< 10 U	< 25 U	< 25 U	< 100 U	< 100 U	< 400 U	< 400 U	< 200 U	< 200 U	< 20 U	< 200 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 25 U	< 25 U	< 50 U	< 50 U	< 200 U	< 200 U	< 100 U	< 100 U	< 10 U	< 100 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 5 U	< 25 U	< 25 U	< 50 U	< 50 U	< 200 U	< 200 U	< 100 U	< 100 U	< 10 U	< 100 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U
Acetone	ug/L	50	< 10 U	< 10 U	< 10 U	< 25 U	< 25 U	< 100 U	< 100 U	< 400 U	< 400 U	< 200 U	< 200 U	< 20 U	< 200 U+	< 2500 U	< 2500 U	< 2500 U	< 2500 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	**210 J**	< 500 U	< 500 U	< 500 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	**170 J**	< 500 U	< 500 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	0.32 J	< 5 U	11	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		93-03(1)	93-03(1)	93-03(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)
	Sample Date		10/19/2023	4/29/2024	10/22/2024	5/23/2017	12/10/2018	3/26/2019	1/17/2020	5/27/2020	8/18/2020	3/16/2021	10/5/2021	3/23/2022	10/6/2022	5/23/2017	11/14/2017	1/23/2018	1/24/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	**980**	< 500 U	< 500 U	< 500 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	**170 J**	< 500 U	< 500 U
cis-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	**710**	**360**	**460**	**2100**	**720**	**1800**	**310**	**250**	**110**	**70**	**20000**	**22000**	**70000**	**70000**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 2 U	< 10 U	< 10 U	< 20 U	< 20 U	< 80 U	< 80 U	< 40 U	< 40 U	< 4 U	< 40 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U
Methylene chloride	ug/L	5	< 1 U	< 1 U	< 1 U	**21**	**120**	**410**	**97**	**710**	< 40 U	**370**	**19 J**	1.2 J	**160**	**3300**	**6000**	**3700**	**3700**
o-Xylene	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Styrene	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Toluene	ug/L	5	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	4.4 J	**5.5 J**	< 10 U	**9.8 J**	< 40 U	< 40 U	< 20 U	< 20 U	1.8 J	< 20 U	< 500 U	**180 J**	**250 J**	**250 J**
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 20 U	< 500 U	< 500 U	< 500 U	< 500 U
Trichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	**17**	**29**	**25**	**60**	**33 J**	**42**	**9.8 J**	< 20 U	4.6	< 20 U	**58000**	**64000**	**28000**	**28000**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 1 U	< 1 U	< 1 U	**700**	**500**	**610**	**1200**	**800**	**3600**	**850**	**820**	**160**	**490**	**430 J**	**380 J**	**510**	**510**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)
	Sample Date		2/27/2018	2/28/2018	3/20/2018	3/21/2018	6/20/2018	9/20/2018	12/12/2018	12/12/2018	3/28/2019	1/15/2020	5/27/2020	8/20/2020	3/18/2021	10/12/2021	3/22/2022	10/7/2022	3/20/2023
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	5.41	-	0.79	3.45	4.51	2.37	2.37	0.35	0.66	0.96	0.38	1.46	0.62	2.24	0	0.65
Oxidation Reduction Potential	mV	NV	-	-8.9	-	-257.6	-126.2	-245.1	-328.2	-328.2	-285	-283.2	-191.2	-319.8	-280.3	-328.6	-296.4	-300.5	-347.6
pH	SU	NV	-	8.64	-	7.85	7.25	6.38	8.25	8.25	8.11	7.28	8.32	8.1	9.14	7.5	7.28	6.97	7.69
Specific Conductivity	mS/cm	NV	-	1.328	-	1.22	1.196	1.251	1.539	1.539	1.154	1.466	1.342	1.15	0.74	0.848	1.15	1.246	0.879
Temperature	Deg C	NV	-	10.16	-	6.54	12.78	13.53	11.08	11.08	10.6	10.8	11.01	12.9	10.09	13.7	10.6	13	10.1
GASES																			
Ethane	ug/L	NV	-	2.3	-	2.6	3.2	< 5.2 U	< 2.1 U	-	< 7.5 U	< 83 U	< 7.5 U	< 7.5 U	< 83 U	55 J	< 83 U	< 330 U	< 330 U
Ethylene	ug/L	NV	-	25	-	27	93 D	250	150	-	130	650	310	210	180	790	2200	2400	4000
Methane	ug/L	NV	-	66	-	73	1200 D	460	180	-	180	1400	100	77	250	620	1000	3500	2100
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	537	-	467	701	679	476	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	475	-	424	696	598	424	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	91.1	-	95.8	67	111	86.2	-	67.5	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	< 0.1 U	-	< 0.1 U	< 0.1 U	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	-	0.076	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	96.2	-	102	35.1	55.6	129	-	161	53.8	137	128	91.9	122	58.1	131	87.8
Total organic carbon	mg/L	NV	-	53.5	-	32.6	112	41.5	11	-	4.8	42.8	4.8	4.4	6.7	4.9	169	49.3	24.4
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**850**	**850**	**1300**	**1300**	**730**	**1300**	**1500**	-	**1300**	**1200**	< 1000 U	< 1000 U	**1100**	< 1000 U	< 500 U	< 1000 U	< 400 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
1,1,2-Trichloroethane	ug/L	1	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
1,1-Dichloroethane	ug/L	5	**370**	**370**	**380 J**	**380 J**	**180 J**	**360**	**300**	-	**320 J**	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**260 J**	< 1000 U	**200 J**
1,1-Dichloroethene	ug/L	5	**310**	**310**	**410 J**	**410 J**	**200 J**	**360**	**290**	-	**310 J**	**280 J**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 1300 U	< 1300 U	< 1300 U	-	< 5000 U	< 5000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 10000 U	< 4000 U
2-Hexanone	ug/L	50	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 1300 U	< 1300 U	< 1300 U	-	< 2500 U	< 2500 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 2500 U	< 5000 U	< 2000 U
4-Methyl-2-pentanone	ug/L	NV	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 1300 U	< 1300 U	< 1300 U	-	< 2500 U	< 2500 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 2500 U	< 5000 U	< 2000 U
Acetone	ug/L	50	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 1300 U	< 1300 U	< 1300 U	-	< 5000 U	< 5000 U	< 10000 U	< 10000 U	< 10000 U+	< 10000 U+	< 5000 U	< 10000 U	< 4000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Bromodichloromethane	ug/L	50	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Bromoform	ug/L	50	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Bromomethane	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Carbondisulfide	ug/L	60	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	**240 J**	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)
	Sample Date		2/27/2018	2/28/2018	3/20/2018	3/21/2018	6/20/2018	9/20/2018	12/12/2018	12/12/2018	3/28/2019	1/15/2020	5/27/2020	8/20/2020	3/18/2021	10/12/2021	3/22/2022	10/7/2022	3/20/2023
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Chlorobenzene	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Chloroethane	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Chloroform (trichloromethane)	ug/L	7	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Chloromethane	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U+	< 500 U	< 1000 U	< 400 U
cis-1,2-Dichloroethene	ug/L	5	**65000 D**	**65000 D**	**52000**	**52000**	**37000**	**52000 D**	**31000**	-	**33000**	**44000**	**34000**	**38000**	**36000**	**30000**	**30000**	**30000**	**9200**
cis-1,3-Dichloropropene	ug/L	0.4	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Dibromochloromethane	ug/L	50	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 500 U	< 500 U	-	< 1000 U	< 1000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 1000 U	< 2000 U	< 800 U
Methylene chloride	ug/L	5	**2200**	**2200**	**3000**	**3000**	**740**	**9500**	**6200**	-	**1200**	< 500 U	< 1000 U	**5100**	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
o-Xylene	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Styrene	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Tetrachloroethene	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Toluene	ug/L	5	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
trans-1,2-Dichloroethene	ug/L	5	**190 J**	**190 J**	**200 J**	**200 J**	**87 J**	**140 J**	**140 J**	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	-	< 500 U	< 500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 1000 U	< 400 U
Trichloroethene	ug/L	5	**17000**	**17000**	**33000**	**33000**	**12000**	**23000**	**38000**	-	**34000**	**5900**	**14000**	**16000**	**18000**	**3100**	**460 J**	**1400**	< 400 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**440**	**440**	**370 J**	**370 J**	**750**	**2400**	**1700**	-	**2200**	**6300**	**4700**	**3800**	**2800**	**9700**	**13000**	**14000**	**15000**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
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FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)
Sample Date			10/19/2023	3/25/2024	3/25/2024	10/24/2024	10/22/2013	10/30/2014	10/22/2015	10/20/2016	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/27/2019
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.18	-	51.87	1.01	-	-	-	-	3.4	3.85	3.98	0.51	6.32	0.13	-	0.67	-
Oxidation Reduction Potential	mV	NV	-498.1	-	-240.5	-293.7	-	-	-	-	-92.9	-176.1	-17.1	-101	-184.4	-223.2	-	-152	-265.3
pH	SU	NV	7.35	-	9.37	6.71	-	-	-	-	7.26	7.27	8.23	7.57	7.26	6.84	7.1	6.29	6.79
Specific Conductivity	mS/cm	NV	1.144	-	1.269	1.507	-	-	-	-	2.422	2.101	2.181	2.192	1.889	2.158	1.778	1.867	1.811
Temperature	Deg C	NV	13.2	-	10.64	13	-	-	-	-	12.42	9.67	10.58	8.25	13.21	13.78	13.31	12.64	12.37
GASES																			
Ethane	ug/L	NV	< 660 U	2.2 J	< 83 U	< 830 U	-	-	-	-	< 1 U	1.1	< 1 U	1.3	1.4	2.1	-	< 2.1 U	< 7.5 U
Ethylene	ug/L	NV	2500	2400	3500	2800	-	-	-	-	8.8	12	7.1	14	17	19	-	15	13
Methane	ug/L	NV	3700	5100	5000	8300	-	-	-	-	54	53	21	61	80	130 D	-	100	64
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	308	290	298	302	308	291	-	275	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	325	286	265	282	305	340	-	524	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	120	117	141	165	134	114	-	121	129
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	< 1 U	0.036 J
Sulfate	mg/L	NV	129	157	158	188 B	-	-	-	-	957	972	983	857	1070	957	-	951	966
Total organic carbon	mg/L	NV	13.5	4.6	4.5	4.2	-	-	-	-	4.1	3.8	4.1	4.4	3.9	3.5	-	3.5	2.4
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 400 U	**33**	< 400 U	< 400 U	**210**	**120**	**110**	**81**	**75**	**52**	**73**	**58**	**64**	**81**	**41**	**54**	**45**
1,1,2,2-Tetrachloroethane	ug/L	5	< 400 U	< 1 U	< 400 U	< 400 U	< 1.1 U	< 0.84 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
1,1,2-Trichloroethane	ug/L	1	< 400 U	< 1 U	< 400 U	< 400 U	< 1.2 U	< 0.92 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
1,1-Dichloroethane	ug/L	5	**170 J**	**93 J**	< 400 U	**150 J**	**39**	**25**	**25**	**20**	**18**	**15**	**22**	**16**	**17**	**24**	**14**	**14**	**15**
1,1-Dichloroethene	ug/L	5	< 400 U	**32**	< 400 U	< 400 U	**11**	3	2	1.3	1.8 J	< 2 U	1.2	< 2 U	0.93 J	1.6	0.8 J	0.88 J	2.3 J
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 400 U	< 1 U	< 400 U	< 400 U	< 1.1 U	< 0.84 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 400 U	< 1 U	< 400 U	< 400 U	< 3.6 U	< 2.9 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 4000 U	< 10 U	< 4000 U	< 4000 U	< 6.6 U	< 5.3 U	< 10 U	< 5 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 40 U
2-Hexanone	ug/L	50	< 2000 U	< 5 U	< 2000 U	< 2000 U	< 6.2 U	< 5 U	< 10 U	< 5 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 20 U
4-Methyl-2-pentanone	ug/L	NV	< 2000 U	< 5 U	< 2000 U	< 2000 U	< 11 U	< 8.4 U	< 10 U	< 5 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 20 U
Acetone	ug/L	50	< 4000 U	4.1 J	< 4000 U	< 4000 U	< 15 U	< 12 U	< 10 U	1.6 J	< 10 U	< 10 U	1.4 J	4.6 J	< 5 U	4 J	< 10 U	< 10 U	< 40 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 400 U	**2.9**	< 400 U	< 400 U	< 2.1 U	< 1.6 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Bromodichloromethane	ug/L	50	< 400 U	< 1 U	< 400 U	< 400 U	< 2 U	< 1.6 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Bromoform	ug/L	50	< 400 U	< 1 U	< 400 U	< 400 U	< 1.3 U	< 1 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Bromomethane	ug/L	5	< 400 U	< 1 U	< 400 U	< 400 U	< 3.5 U	< 2.8 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Carbondisulfide	ug/L	60	< 400 U	0.9 J	< 400 U	< 400 U	< 0.95 U	< 0.76 U	4.7	0.71 J	0.64 J	3.1	1.1 B	< 2 U	< 1 U	2.1	2.5	3.1	< 4 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)
	Sample Date		10/19/2023	3/25/2024	3/25/2024	10/24/2024	10/22/2013	10/30/2014	10/22/2015	10/20/2016	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/27/2019
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 400 U	< 1 U	< 400 U	< 400 U	< 1.4 U	< 1.1 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Chlorobenzene	ug/L	5	< 400 U	< 1 U	< 400 U	< 400 U	< 3.8 U	< 3 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Chloroethane	ug/L	5	< 400 U	< 1 U	< 400 U	< 400 U	< 1.6 U	< 1.3 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Chloroform (trichloromethane)	ug/L	7	< 400 U	< 1 U	< 400 U	< 400 U	< 1.7 U	< 1.4 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Chloromethane	ug/L	5	< 400 U	< 1 U	< 400 U	< 400 U	< 1.8 U	< 1.4 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
cis-1,2-Dichloroethene	ug/L	5	**14000**	**4600**	**5000**	**5900**	**280**	**220**	**170**	**170**	**140**	**100**	**150**	**120**	**97**	**170**	**140**	**110**	**160**
cis-1,3-Dichloropropene	ug/L	0.4	< 400 U	< 1 U	< 400 U	< 400 U	< 1.8 U	< 1.4 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Dibromochloromethane	ug/L	50	< 400 U	< 1 U	< 400 U	< 400 U	< 1.6 U	< 1.3 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 400 U	**6.1**	< 400 U	< 400 U	< 3.7 U	< 3 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 800 U	**8.7**	< 800 U	< 800 U	< 3.3 U	< 2.6 U	< 6 U	< 2 U	< 4 U	< 4 U	< 2 U	< 4 U	< 2 U	< 2 U	< 4 U	< 4 U	< 8 U
Methylene chloride	ug/L	5	< 400 U	< 1 U	< 400 U	**300 J**	< 2.2 U	< 1.8 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	2.1	< 2 U	< 2 U	< 4 U
o-Xylene	ug/L	5	< 400 U	**8.1**	< 400 U	< 400 U	< 3.8 U	< 3 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Styrene	ug/L	5	< 400 U	< 1 U	< 400 U	< 400 U	< 3.7 U	< 2.9 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Tetrachloroethene	ug/L	5	< 400 U	< 1 U	< 400 U	< 400 U	< 1.8 U	< 1.4 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Toluene	ug/L	5	< 400 U	4.9	< 400 U	< 400 U	< 2.6 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
trans-1,2-Dichloroethene	ug/L	5	< 400 U	**90**	< 400 U	< 400 U	< 4.5 U	< 3.6 U	2.1	1.8	1.8 J	1.6 J	2.1	1.5 J	1.3	1.9	1.8 J	1.5 J	< 4 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 400 U	< 1 U	< 400 U	< 400 U	< 1.9 U	< 1.5 U	< 2 U	< 1 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 2 U	< 2 U	< 4 U
Trichloroethene	ug/L	5	**600**	**15**	< 400 U	< 400 U	2.8	2	2.2	1.8	1.8 J	1.6 J	2.5	1.7 J	1.5	**53**	1.2 J	4.2	1.9 J
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**13000**	**9200**	**9900**	**9400**	**330**	**220**	**220**	**180**	**190**	**180**	**240 D**	**180**	**170**	**200 D**	**170**	**160**	**210**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-8(0)	B-8(0)	B-8(0)	B-8(0)	B-8(0)	B-8(0)
	Sample Date		9/24/2019	1/15/2020	5/26/2020	8/19/2020	10/13/2020	3/17/2021	10/6/2021	3/21/2022	10/5/2022	10/17/2023	10/23/2024	10/30/2014	10/20/2016	10/31/2018	10/14/2020	10/7/2022	10/24/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.02 -	0.77	0.59	0.62	-	1.38	0.31	1.41	0	0.22	0.68	-	-	-	-	0	0.85
Oxidation Reduction Potential	mV	NV	-237.2	-173	-169.7	-105	-	-299	-289.3	-275.9	-266	-304.4	-375.9	-	-	-	-	15	-112.1
pH	SU	NV	6.88	7.02	7.05	7.6	-	7.03	7.05	7.13	6.26	6.81	6.99	-	-	-	-	7.61	7.57
Specific Conductivity	mS/cm	NV	2.039	2.627	2.74	2.175	-	1.76	2.646	2.34	0.00357	2.164	6.301	-	-	-	-	0.000756	1.672
Temperature	Deg C	NV	14.2	12.02	14.54	12.9	-	11.63	14.4	12.6	17.49	13.8	15.3	-	-	-	-	13.18	13.1
GASES																			
Ethane	ug/L	NV	-	< 7.5 U	< 7.5 U	< 7.5 U	-	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	6.2 J	6.3 J	13	-	7.6	9.3	14	11	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	64	60	79	-	66	71	72	67	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	1100	1130	1090	-	1100	1070	1010	1050	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	2.5	3.1	3.3	-	3.2	2.4	3.5	3	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**62**	**42**	**39**	**42**	**28**	**26**	**30**	**51**	**33**	< 4 U	**24**	< 0.82 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.23 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**20**	**14**	**13**	**17**	**14**	**10**	**11**	**21**	**14**	**8.4**	**9.6**	< 0.38 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/L	5	1.2 J	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.29 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 4 U	< 4 U	< 4 U	< 4 U	-	< 4 U	-	< 4 U	< 4 U	< 4 U	< 4 U	< 0.72 U	< 1 U	< 1 U	-	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 1.3 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 1.2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 2.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 3 U	< 5 U	3.1 J	< 10 U	3 J	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.41 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.39 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.69 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	8.3	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.19 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-14(1)	B-8(0)	B-8(0)	B-8(0)	B-8(0)	B-8(0)	B-8(0)
	Sample Date		9/24/2019	1/15/2020	5/26/2020	8/19/2020	10/13/2020	3/17/2021	10/6/2021	3/21/2022	10/5/2022	10/17/2023	10/23/2024	10/30/2014	10/20/2016	10/31/2018	10/14/2020	10/7/2022	10/24/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbontetrachloride	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.27 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.75 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.34 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.35 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**150**	**110**	**96**	**120**	**110**	**100**	**100**	**140**	**130**	**23**	**62**	< 0.81 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.74 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	< 4 U	-	-	-	< 4 U	-	< 4 U	-	-	-	-	-	-	-	< 1 U	-	-
m,p-xylene	ug/L	5	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 0.66 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	**17**	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	2.2 J	2.3 J	< 4 U	< 4 U	3.2 J	< 0.44 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.76 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.73 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.51 U	0.32	0.32	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.9 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.37 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	1.8 J	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 0.46 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**230**	**150**	**160**	**200**	**190**	**170**	**140**	**310**	**310**	**99**	**94**	< 0.9 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	NV	< 8 U	-	-	-	< 8 U	-	-	-	-	-	-	-	-	-	< 2 U	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			B-8(0)	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10
Sample Date			12/17/2024	10/23/2013	10/30/2014	10/30/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018	3/27/2019	9/25/2019	1/16/2020	5/26/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	1.23	-	-	-	-	8.76	1.3	5.26	0.53	6.81	-	-	0.66	2.27	0	0.34	0.59
Oxidation Reduction Potential	mV	NV	-22.6	-	-	-	-	34.2	-17	-22.7	-193.2	-188.5	-	-	-176.1	-299.2	-272.1	-283.6	-233.5
pH	SU	NV	7.66	-	-	-	-	8.39	7.32	8.21	7.26	6.47	6.43	-	6.09	6.42	7.19	6.82	6.97
Specific Conductivity	mS/cm	NV	0.908	-	-	-	-	0.42	0.593	0.565	0.58	0.379	-	-	1.579	2.157	0.243	2.371	2.667
Temperature	Deg C	NV	10.27	-	-	-	-	13.65	8.53	8.76	6.73	12.23	-	-	10.96	11.5	16	10.94	13.58
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	< 1 U	7.2	3.7	2.8	30	1.1	-	< 5.2 U	1.9 JH	-	< 7.5 U	< 7.5 U
Ethylene	ug/L	NV	-	-	-	-	-	< 1 U	24	14	20	19	170 D	-	110	69 H	-	110	66
Methane	ug/L	NV	-	-	-	-	-	1.6	76	47	56	33	400 D	-	390	420	-	440	520
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	122	184	170	168	138	611	-	416	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	108	179	152	166	214	991	-	1040	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	10.2	35.3	31.6	41.3	30.2	210	-	191	224	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	< 0.1 U	< 4 U	3.1	< 1 U	0.18	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	2.6	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	< 1 U	0.073	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	53.3	104	88	73.8	28.5	406	-	666	731	-	766	812
Total organic carbon	mg/L	NV	-	-	-	-	-	3.3	690	52	141	107	41.5	-	11.5	3.6	-	3.6	3.2
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1 U	**9.2**	< 16 U	**60**	**57**	0.48 J	**18**	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	**9.5**	< 2000 U	< 10 U	< 2000 U	< 5000 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 0.21 U	< 4.2 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 0.23 U	< 4.6 U	< 10 U	< 10 U	< 1 U	0.75 J	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	**3 J**	< 2000 U	< 10 U	< 2000 U	< 5000 U
1,1-Dichloroethane	ug/L	5	< 1 U	**11**	**7.6**	**14**	**12**	< 1 U	**15**	< 50 U	< 100 U	< 50 U	**12 J**	< 2.5 U	**9**	< 2000 U	< 10 U	< 2000 U	< 5000 U
1,1-Dichloroethene	ug/L	5	< 1 U	3.6	< 5.8 U	< 10 U	**5.9 J**	< 1 U	**17**	< 50 U	< 100 U	< 50 U	**39 J**	0.73 J	**32**	< 2000 U	< 10 U	< 2000 U	< 5000 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 0.21 U	< 4.2 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	-	< 0.72 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 1.3 U	< 26 U	< 50 U	< 50 U	< 5 U	< 5 U	< 250 U	< 500 U	< 250 U	< 250 U	10 J	< 25 U	< 20000 U	< 100 U	< 20000 U	< 50000 U
2-Hexanone	ug/L	50	< 5 U	< 1.2 U	< 25 U	< 50 U	< 50 U	< 5 U	< 5 U	< 250 U	< 500 U	< 250 U	< 250 U	21	< 25 U	< 10000 U	< 50 U	< 10000 U	< 25000 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 2.1 U	< 42 U	< 50 U	< 50 U	< 5 U	< 5 U	< 250 U	< 500 U	< 250 U	< 250 U	< 13 U	1.9 J	< 10000 U	< 50 U	< 10000 U	< 25000 U
Acetone	ug/L	50	< 10 U	< 3 U	< 50 U	< 50 U	< 50 U	1.5 J	4.9 J	< 250 U	< 500 U	< 250 U	< 250 U	18	< 25 U	< 20000 U	< 100 U	< 20000 U	< 50000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 0.41 U	< 8.2 U	< 10 U	< 10 U	< 1 U	0.89 J	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	**2.5 J**	< 2000 U	< 10 U	< 2000 U	< 5000 U
Bromodichloromethane	ug/L	50	< 1 U	< 0.39 U	< 7.8 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Bromoform	ug/L	50	< 1 U	< 0.26 U	< 5.2 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Bromomethane	ug/L	5	< 1 U	< 0.69 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Carbondisulfide	ug/L	60	< 1 U	0.67	< 3.8 U	< 10 U	< 10 U	< 1 U	14	< 50 U	28 J	< 50 U	**150**	2.5	**66**	< 2000 U	< 10 U	< 2000 U	< 5000 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		B-8(0)	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10
	Sample Date		12/17/2024	10/23/2013	10/30/2014	10/30/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018	3/27/2019	9/25/2019	1/16/2020	5/26/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 0.27 U	< 5.4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Chlorobenzene	ug/L	5	< 1 U	< 0.75 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Chloroethane	ug/L	5	< 1 U	< 0.32 U	< 6.4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	1	< 6.8 U	< 10 U	3.4 J	< 1 U	5.4	< 50 U	**93 J**	< 50 U	**50**	1.1 J	**40**	< 2000 U	< 10 U	< 2000 U	< 5000 U
Chloromethane	ug/L	5	< 1 U	< 0.35 U	< 7 U	< 10 U	< 10 U	0.24 J	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	4.8 J	< 2000 U	< 10 U	< 2000 U	< 5000 U
cis-1,2-Dichloroethene	ug/L	5	< 1 U	**550**	**230**	**1000**	**960**	**17**	**1100 D**	**480**	**640**	**130**	**2300**	**15**	**2100 D**	**2000**	**18**	**2300**	< 5000 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 0.36 U	< 7.2 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Dibromochloromethane	ug/L	50	< 1 U	< 0.32 U	< 6.4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 0.74 U	< 10 U	< 10 U	< 10 U	< 1 U	1.4	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	1.6 J	< 2000 U	< 10 U	< 2000 U	< 5000 U
Freon 113	ug/L	NV	< 1 U	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-
m,p-xylene	ug/L	5	< 2 U	< 0.66 U	< 13 U	< 30 U	< 20 U	< 2 U	4.6	< 100 U	< 200 U	< 100 U	< 100 U	< 5 U	**5.7 J**	< 4000 U	< 20 U	< 4000 U	< 10000 U
Methylene chloride	ug/L	5	< 1 U	**1700**	**960**	**1500**	**2300 D**	**170**	**16000 D**	**10000 D**	**14000**	**5100**	**130000 D**	**390**	**100000 D**	**140000**	**640**	**150000**	**200000**
o-Xylene	ug/L	5	< 1 U	< 0.76 U	< 10 U	< 10 U	< 10 U	< 1 U	1.7	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	2.3 J	< 2000 U	< 10 U	< 2000 U	< 5000 U
Styrene	ug/L	5	< 1 U	< 0.73 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Tetrachloroethene	ug/L	5	< 1 U	< 0.36 U	< 7.2 U	< 10 U	< 10 U	< 1 U	**8**	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	3.4 J	< 2000 U	< 10 U	< 2000 U	< 5000 U
Toluene	ug/L	5	< 1 U	< 0.51 U	< 10 U	< 10 U	< 10 U	< 1 U	**8**	< 50 U	< 100 U	< 50 U	**17 J**	< 2.5 U	**16**	< 2000 U	< 10 U	< 2000 U	< 5000 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	3	3.5 U	3.5	3.8	< 1 U	**12**	< 50 U	< 100 U	< 50 U	**37 J**	< 2.5 U	**33**	< 2000 U	< 10 U	< 2000 U	< 5000 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 0.37 U	< 7.4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U	< 5000 U
Trichloroethene	ug/L	5	< 1 U	**110**	**30**	**610**	**510**	**32**	**36000 D**	**8900**	**13000**	**610**	**2000**	**100**	**2100 D**	**2300**	**38**	**1900 J**	< 5000 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 1 U	**160**	**78**	**140**	**110**	**2.3**	**260 D**	**130**	**160**	**38 J**	**970**	**6.2**	**730**	< 2000 U	**9.1 J**	< 2000 U	< 5000 U
Xylene (total)	ug/L	NV	< 2 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

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Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11
Sample Date			8/21/2020	10/14/2020	3/19/2021	10/13/2021	3/23/2022	10/6/2022	10/18/2023	10/25/2024	10/25/2024	10/22/2013	10/30/2014	10/22/2015	10/20/2016	11/13/2017	1/23/2018	2/27/2018	3/20/2018
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.4	-	1.99	0.52	0.26	0.94	0.24	-	0.95	-	-	-	-	-	3.45	2.19	0.3
Oxidation Reduction Potential	mV	NV	-309.1	-	-280	-324.7	-533.7	-249.2	-321.7	-	-305.1	-	-	-	-	-	-185.7	-13.4	-153.6
pH	SU	NV	6.61	-	7.96	7.36	6.78	6.22	6.4	-	6.36	-	-	-	-	8.04	7.78	8.13	7.5
Specific Conductivity	mS/cm	NV	2.378	-	1.59	0.2601	2.22	1.076	1.173	-	1.802	-	-	-	-	2.219	1.089	3.369	3.223
Temperature	Deg C	NV	15.4	-	9.03	16	10.4	15.7	14.8	-	14.4	-	-	-	-	15.42	6.3	8.88	8.62
GASES																			
Ethane	ug/L	NV	< 170 U	-	< 7.5 U	< 7.5 U	< 83 U	< 330 U	-	-	-	-	-	-	-	< 1 U	< 1 U	< 1 U	3.4
Ethylene	ug/L	NV	< 150 U	-	130	< 7 U	180	< 310 U	-	-	-	-	-	-	-	4.2	1.1	1.3	28
Methane	ug/L	NV	410	-	750	81	470	470	-	-	-	-	-	-	-	30	4.2	2.7	54
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	245	194	133	310
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	222	177	119	292
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	321	481	976	580
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.1 U	0.76	< 0.1 U	< 0.1 U
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	2.4	< 1 U	< 1 U
Sulfate	mg/L	NV	780	-	832	20.7	560	21	-	-	-	-	-	-	-	291	409	246	731
Total organic carbon	mg/L	NV	5.5	-	3	16.3	117	201	-	-	-	-	-	-	-	4.1	9.2	6.8	16.8
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	**270**	**240**	**160**	**110**	**45**	3.3	**5.6**	**58**
1,1,2,2-Tetrachloroethane	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.21 U	< 0.21 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1000 U	< 10 U	< 100 U	< 10 U	**3.1 J**	< 10 U	< 200 U	< 400 U	< 200 U	< 0.23 U	< 0.23 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	**12**	3.8 J	< 200 U	< 400 U	< 200 U	**51**	**37**	**33**	**25**	**8.6**	0.88 J	2.8	**17**
1,1-Dichloroethene	ug/L	5	< 1000 U	< 10 U	**55 J**	< 10 U	**39**	**8.8 J**	< 200 U	< 400 U	< 200 U	**37**	**20**	**17**	< 10 U	1.2	< 1 U	< 1 U	2.2
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.21 U	< 0.21 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1000 U	-	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.72 U	< 0.72 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10000 U	< 100 U	< 1000 U	< 100 U	< 100 U	**100**	< 2000 U	< 4000 U	< 2000 U	< 1.3 U	< 1.3 U	< 50 U	< 50 U	< 5 U	1 J	< 5 U	< 5 U
2-Hexanone	ug/L	50	< 5000 U	< 50 U	< 500 U	< 50 U	< 50 U	26 J	< 1000 U	< 2000 U	< 1000 U	< 1.2 U	< 1.2 U	< 50 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5000 U	< 50 U	< 500 U	< 50 U	< 50 U	< 50 U	< 1000 U	< 2000 U	< 1000 U	< 2.1 U	< 2.1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 10000 U	47 J	< 1000 U+	< 100 U	**59 J**	**140**	< 2000 U	< 4000 U	< 2000 U	< 3 U	< 3 U	< 50 U	< 50 U	< 5 U	48	14	2.6 J
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.41 U	< 0.41 U	< 10 U	< 10 U	< 1 U	0.84 J	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.39 U	< 0.39 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.26 U	< 0.26 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.69 U	< 0.69 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 1000 U	< 10 U	< 100 U	< 10 U	56	18	< 200 U	< 400 U	< 200 U	2.5	< 0.19 U	6	3.4 J	0.35 J	0.39 J	0.48 J	8.8

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11
	Sample Date		8/21/2020	10/14/2020	3/19/2021	10/13/2021	3/23/2022	10/6/2022	10/18/2023	10/25/2024	10/25/2024	10/22/2013	10/30/2014	10/22/2015	10/20/2016	11/13/2017	1/23/2018	2/27/2018	3/20/2018
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbontetrachloride	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.27 U	< 0.27 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.75 U	< 0.75 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.32 U	< 0.32 U	< 10 U	< 10 U	**29**	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 1000 U	< 10 U	**60 J**	< 10 U	**47**	**11**	< 200 U	< 400 U	< 200 U	1.2	1.3	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.35 U	< 0.35 U	< 10 U	< 10 U	0.45 J	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**1700**	**120**	**2200**	**8.1 J**	**2400 J**	**940**	**900**	**1600**	**990**	**4200**	**3400**	**3900**	**1500**	**110**	**23**	**31**	**190**
cis-1,3-Dichloropropene	ug/L	0.4	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.36 U	< 0.36 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.32 U	< 0.32 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	0.9	0.75	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	0.22 J
Freon 113	ug/L	NV	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2000 U	< 20 U	< 200 U	< 20 U	< 20 U	< 20 U	< 400 U	< 800 U	< 400 U	1.1	0.92	< 30 U	< 20 U	< 2 U	0.56 J	< 2 U	0.78 J
Methylene chloride	ug/L	5	**160000**	**6600**	**160000**	< 10 U	**160000**	**28000**	**9000**	**21000**	**920**	**2800**	**1700**	**780**	< 10 U	< 1 U	**11**	**14**	**72**
o-Xylene	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	1.2	1	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	0.31 J
Styrene	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.73 U	< 0.73 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	1.8	1.8	< 10 U	< 10 U	< 1 U	0.46 J	< 1 U	0.55 J
Toluene	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	**23**	**6.1 J**	< 200 U	< 400 U	< 200 U	1.7	1.3	< 10 U	< 10 U	< 1 U	0.54 J	0.24 J	1.2
trans-1,2-Dichloroethene	ug/L	5	< 1000 U	< 10 U	< 100 U	< 10 U	**45**	**15**	< 200 U	< 400 U	< 200 U	**8.7**	**7.9**	**8.3**	**5.9 J**	1	< 1 U	< 1 U	1.5
Trans-1,3-Dichloropropene	ug/L	0.4	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U	< 0.37 U	< 0.37 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	**2000**	**170**	**2800**	**40**	**1900 J**	**440**	**420**	**430**	**180 J**	**1900**	**1400**	**1100**	**14**	**35**	**520 D**	**190**	**1300 D**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**920 J**	**92**	**1200**	< 10 U	**1600 E**	**470**	**290**	< 400 U	**210**	**710**	**520**	**420**	**450**	**100**	**13**	**40**	**190 D**
Xylene (total)	ug/L	NV	-	< 20 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-12
	Sample Date		6/19/2018	9/18/2018	10/31/2018	12/11/2018	3/27/2019	9/24/2019	1/17/2020	5/28/2020	8/19/2020	10/13/2020	3/17/2021	10/6/2021	3/21/2022	10/5/2022	10/18/2023	10/22/2024	10/22/2013
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.94	0	-	0.74	0.87	0.24	0.92	3.71	0.98	-	1.26	0.11	1.06	0	0.25	0.81	-
Oxidation Reduction Potential	mV	NV	-321.6	-322.9	-	-248.6	-320.4	-365.7	-249.7	-207	-239.7	-	-283.3	-337.7	34.2	-221.5	-282.2	-363	-
pH	SU	NV	6.82	6.87	7.67	6.16	6.66	7.06	7.15	7.45	7.38	-	7	7.03	7.18	6.98	7.06	7.24	-
Specific Conductivity	mS/cm	NV	2.656	3.179	1.352	2.078	8.028	3.374	5.921	6.757	4.698	-	6.02	2.917	14.79	4.704	4.694	10.332	-
Temperature	Deg C	NV	13.65	16.71	16.2	12.57	11.36	15.4	11.68	14.64	14.2	-	12.63	16.4	11.6	17.3	16.1	16.7	-
GASES																			
Ethane	ug/L	NV	1	1.4	-	< 2.1 U	< 7.5 U	-	< 41 U	< 7.5 U	< 7.5 U	-	< 7.5 U	-	< 7.5 U	< 7.5 U	-	-	-
Ethylene	ug/L	NV	40	81	-	100	54	-	9.8 J	26	40	-	41	-	4.8 J	20	-	-	-
Methane	ug/L	NV	69	77 D	-	96	49	-	51	39	88	-	58	-	6	43	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	547	564	-	378	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	647	648	-	855	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	782	394	-	124	2580	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	< 1 U	< 1 U	-	< 1 U	0.048 J	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	167	479	-	1000	815	-	684	739	869	-	917	-	583	665	-	-	-
Total organic carbon	mg/L	NV	24.6	16.9	-	13.1	1.4	-	2.3	2	2.7	-	2.3	-	2.1	3.1	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**7.8**	**92**	0.31 J	**91**	**17**	-	**9.6**	**9.7**	**9**	4.9	**16**	**53**	4.2	**7.5**	**13**	**6.3**	**190**
1,1,2,2-Tetrachloroethane	ug/L	5	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 11 U
1,1,2-Trichloroethane	ug/L	1	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 12 U
1,1-Dichloroethane	ug/L	5	3.4 J	**28**	< 1 U	**33**	**21**	-	**13**	**15**	**15**	**12**	**15**	**33**	4.9	**7**	**10**	**8.5**	< 19 U
1,1-Dichloroethene	ug/L	5	1.4 J	**11**	< 1 U	3.3	1.2 J	-	< 2 U	< 2 U	< 2 U	< 2 U	0.29 J	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 15 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 11 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	-	< 1 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 36 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 25 U	< 25 U	< 5 U	1.1 J	< 20 U	-	< 20 U	< 20 U	< 20 U	< 20 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 66 U
2-Hexanone	ug/L	50	< 25 U	< 25 U	< 5 U	< 5 U	< 10 U	-	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 62 U
4-Methyl-2-pentanone	ug/L	NV	< 25 U	< 25 U	< 5 U	< 5 U	< 10 U	-	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 110 U
Acetone	ug/L	50	22 J	< 25 U	2.7 J	2.1 J	< 20 U	-	< 20 U	< 20 U	< 20 U	< 20 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 150 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 21 U
Bromodichloromethane	ug/L	50	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 20 U
Bromoform	ug/L	50	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 13 U
Bromomethane	ug/L	5	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 35 U
Carbondisulfide	ug/L	60	13	55	< 1 U	40	0.55 J	-	0.53 J	< 2 U	< 2 U	< 2 U	< 1 U	2	< 2 U	< 2 U	< 2 U	< 2 U	< 9.5 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-12
	Sample Date		6/19/2018	9/18/2018	10/31/2018	12/11/2018	3/27/2019	9/24/2019	1/17/2020	5/28/2020	8/19/2020	10/13/2020	3/17/2021	10/6/2021	3/21/2022	10/5/2022	10/18/2023	10/22/2024	10/22/2013
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 14 U
Chlorobenzene	ug/L	5	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 38 U
Chloroethane	ug/L	5	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 16 U
Chloroform (trichloromethane)	ug/L	7	2.7 J	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 17 U
Chloromethane	ug/L	5	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 18 U
cis-1,2-Dichloroethene	ug/L	5	**630**	**1300 D**	**11**	**210 D**	**69**	-	**30**	**22**	**19**	**13**	**36**	**320**	**11**	**13**	**27**	**21**	**3000**
cis-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 18 U
Dibromochloromethane	ug/L	50	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 16 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 5 U	< 5 U	0.22	0.59 J	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 37 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	1.6 J	-	47	-	-	-	-	-
m,p-xylene	ug/L	5	< 10 U	2.8 J	0.78	2	< 4 U	-	< 4 U	< 4 U	< 4 U	< 4 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 33 U
Methylene chloride	ug/L	5	**180**	**490**	0.77 J	**77**	< 2 U	-	**26**	< 2 U	< 2 U	< 2 U	< 1 U	**7.7**	2.7	< 2 U	< 2 U	1.4 J	**1900**
o-Xylene	ug/L	5	< 5 U	1.1 J	0.31	0.78 J	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 38 U
Styrene	ug/L	5	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 37 U
Tetrachloroethene	ug/L	5	< 5 U	2 J	0.55	1.7	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 18 U
Toluene	ug/L	5	< 5 U	**6.1**	1.2	2.5	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 26 U
trans-1,2-Dichloroethene	ug/L	5	1.7 J	3.9 J	< 1 U	2.8	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	1.3	2.9	< 2 U	< 2 U	< 2 U	< 2 U	< 45 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 19 U
Trichloroethene	ug/L	5	**180**	**17000 D**	**35**	**3000 D**	**17**	-	**17**	**7.7**	**8.2**	**6.6**	**10**	**470**	4	4.7	**5.6**	**5.7**	**1100**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**59**	**180**	0.53 J	**240 D**	**93**	-	**51**	**52**	**43**	**22**	**120**	**540**	**19**	**50**	**65**	**41**	**510**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	< 4 U	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

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Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12
Sample Date			10/30/2014	10/22/2015	10/19/2016	11/13/2017	1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/31/2018	12/11/2018	3/27/2019	9/24/2019	1/14/2020	5/22/2020	8/18/2020	10/13/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	-	8.95	8.34	0.52	3.66	-	-	2.43	3.96	6.28	8.23	4.81	1.82	-
Oxidation Reduction Potential	mV	NV	-	-	-	-	-12.6	14.6	-117.3	-151.2	-	-	2.6	28.2	112.2	48	46	-58.1	-
pH	SU	NV	-	-	-	8.05	7.5	8.7	7.83	7.37	7.37	8.14	6.55	7.06	7.88	7.2	7.3	7.26	-
Specific Conductivity	mS/cm	NV	-	-	-	0.697	3.443	3.348	3.218	1.607	-	0.656	1.374	4.354	0.99	2.969	2.565	1.451	-
Temperature	Deg C	NV	-	-	-	15.64	4.58	6.72	7.83	14.26	-	16.74	16.51	8.71	17.7	7.99	11.06	17.1	-
GASES																			
Ethane	ug/L	NV	-	-	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	< 1 U	< 7.5 U	-	< 7.5 U	< 7.5 U	< 7.5 U	-
Ethylene	ug/L	NV	-	-	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.3	-	< 1 U	< 7 U	-	< 7 U	< 7 U	< 7 U	-
Methane	ug/L	NV	-	-	-	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 1.1 U	3	-	2.6	1.7 J	-	< 4 U	15	8.4	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	80.4	66.4	64	122	212	235	-	208	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	73.1	62.6	56.6	111	204	227	-	301	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	40.7	1050	1100	1100	322	131	-	288	1300	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	< 0.1 U	< 0.1 U	0.11	< 0.1 U	0.34	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	< 1 U	1.5	1.1	1.1	< 1 U	< 1 U	-	< 1 U	0.41	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	184	138	92.1	113	282	281	-	248	274	-	164	251	317	-
Total organic carbon	mg/L	NV	-	-	-	2.9	2.2	2.2	2.8	3.1	2.8	-	3.9	1.5	-	1.6	3.3	2.8	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**170**	**28**	**34**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.5 J	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 11 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 12 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**27**	**8.6**	**13**	< 1 U	< 1 U	< 1 U	0.76 J	1.3	3.4	< 1 U	3.1	1.7 J	< 2 U	1 J	0.77 J	2.6	2.3
1,1-Dichloroethene	ug/L	5	< 15 U	2.8	**5.2**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 11 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	-
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 66 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 62 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 110 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 150 U	< 5 U	< 5 U	2.4 J	< 5 U	1.9 J	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 13 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 35 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 9.5 U	< 1 U	0.9 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	0.43 J	< 1 U	< 1 U	< 1 U

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Former Bell Aerospace Textron Inc.
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	Location		DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12
	Sample Date		10/30/2014	10/22/2015	10/19/2016	11/13/2017	1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/31/2018	12/11/2018	3/27/2019	9/24/2019	1/14/2020	5/22/2020	8/18/2020	10/13/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 14 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 38 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 16 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 17 U	0.31	1.1	< 1 U	0.35 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 18 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**2800**	**220**	**1700 D**	1.5	2.2	1.1	4.2	**7.5**	**16**	0.72 J	**14**	**9.3**	< 2 U	**13**	4.6	**21**	**17**
cis-1,3-Dichloropropene	ug/L	0.4	< 18 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 16 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 37 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	< 2 U	-	-	-	< 1 U
m,p-xylene	ug/L	5	< 33 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	**140**	**84**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	1 J	< 2 U	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 38 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 37 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 18 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 45 U	1.1	**15**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.33 J	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 19 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	**550**	**140**	**83**	1.2	0.87 J	0.7 J	1.3	1.3	1.2	1.4	0.77 J	< 2 U	1.3 J	**6.7**	0.62 J	1.9	1.9
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**370**	**74**	**180**	< 1 U	< 1 U	< 1 U	0.45 J	0.51 J	**4.5**	< 1 U	**6.3**	< 2 U	< 2 U	**2.2**	0.96 J	**3**	**2.2**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	< 4 U	-	-	-	< 2 U

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
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Wheatfield, NY

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	Sample Date		3/16/2021	10/4/2021	3/18/2022	10/5/2022	10/16/2023	10/16/2023	10/22/2024	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	1.6	0.14	5.21	0	-	1.78	5.28	-	-	-	-	-	0.54	8.93	2.47	5.99	-
Oxidation Reduction Potential	mV	NV	-209.9	-16.1	56.3	-97	-	27.3	-7.6	-	-	-	-	-	40.3	-22.4	-169	-7.8	-
pH	SU	NV	7.22	7.17	7.39	7.09	-	7.32	8.5	-	-	-	-	-	7.58	8.28	8.24	7.84	6.96
Specific Conductivity	mS/cm	NV	2.53	1.692	3.451	0.00207	-	1.311	1.429	-	-	-	-	-	0.531	0.505	0.524	0.345	-
Temperature	Deg C	NV	10.32	18.3	10.1	17.63	-	16.5	18.6	-	-	-	-	-	2.83	4.16	2.73	10.49	-
GASES																			
Ethane	ug/L	NV	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	-	-	-	-	-	-	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylene	ug/L	NV	< 7 U	< 7 U	< 7 U	< 7 U	-	-	-	-	-	-	-	< 1 U	< 1 U	< 1 U	< 1 U	1.2	83
Methane	ug/L	NV	8.7	12	4.1	8.3	-	-	-	-	-	-	-	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	1.4	59
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	186	160	168	162	168	214
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	174	149	150	144	152	236
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	3.6	5.3	9.5	7.5	10.3	14.5
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	2.5	5.3	5.1	6.4	5.1	2.2
Sulfate	mg/L	NV	401	381	211	410	-	-	-	-	-	-	-	141	96.2	78.2	88	62.3	89.1
Total organic carbon	mg/L	NV	2.5	2.5	2.6	3.1	-	-	-	-	-	-	-	6	6	5.9	4.8	4.6	4.7
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.3 U	**8.6**	< 1 U	**44**	1.1	< 1 U	< 1 U	< 1 U	< 1 U	4.9
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 0.84 U	< 0.42 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.92 U	< 0.46 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	1.8	3.5 F1	1.1 J	3.1	2.4	2.4	< 1 U	< 1.5 U	2.5	0.29	**13**	0.4 J	< 1 U	< 1 U	< 1 U	< 1 U	**6.4**
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.2 U	2.1	< 1 U	**12**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2.4
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.84 U	< 0.42 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	-	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.9 U	< 1.4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 10 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5.3 U	< 2.6 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	1.2 J
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2.5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 8.4 U	< 4.2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 10 U	< 10 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 12 U	< 6 U	< 5 U	< 5 U	1.7 J	1.8 J	2 J	2 J	< 5 U	2.3 J
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.6 U	< 0.82 U	< 1 U	0.85 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.6 U	< 0.78 U	0.87	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.52 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.8 U	< 1.4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.76 U	< 0.38 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	3.7

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9
	Sample Date		3/16/2021	10/4/2021	3/18/2022	10/5/2022	10/16/2023	10/16/2023	10/22/2024	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 0.54 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3 U	< 1.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.3 U	< 0.64 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.4 U	< 0.68 U	< 1 U	3	0.47 J	< 1 U	< 1 U	< 1 U	< 1 U	1.9
Chloromethane	ug/L	5	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.4 U	< 0.7 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**14**	**23**	**6.2**	**11**	**8**	**7.9**	< 1 U	< 3.2 U	**130**	< 1 U	**1100 D**	**22**	4.9	3.7	3.9	**6.8**	**420 D**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.4 U	< 0.72 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.3 U	< 0.64 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3 U	< 1.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	< 1 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 UF1	< 4 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2.6 U	< 1.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	< 1 U	< 1 U	2.7	< 1 U	< 1 U	< 1 U	< 1 U	< 1.8 U	< 0.88 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.58 J	**200 D**
o-Xylene	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3 U	< 1.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.9 U	< 1.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 UF1	< 1 U	< 1.4 U	< 0.72 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.33 J
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.6 U	< 1.8 U	< 1 U	**8.6**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2.6
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.5 U	< 0.74 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	2	3.7 F1	1.2 J	2	1.9	2.1	0.73 J	2.3	**150**	**36**	**2400 D**	**70**	**20**	**15**	**18**	**11**	**210 D**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**3.3**	**7.7**	**2.6**	**5.4**	**2.5**	**2.9**	< 1 U	< 3.6 U	< 1.8 U	**2.7**	**2.5**	< 1 U	< 1 U	< 1 U	< 1 U	1.7	**200 D**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	EW-13
Sample Date			10/31/2018	12/13/2018	3/28/2019	9/25/2019	1/15/2020	5/27/2020	8/21/2020	10/14/2020	3/18/2021	10/11/2021	3/22/2022	10/7/2022	3/20/2023	10/19/2023	3/25/2024	10/24/2024	10/22/2013
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	7.01	8.93	5.19	8.2	3.18	3.44	-	9.81	4.06	0.78	0	11.26	1.78	195.81	2.58	-
Oxidation Reduction Potential	mV	NV	-	-269.2	-102.2	-226.2	-17.1	-153.8	21	-	-72.4	-196.9	-52.4	14	-155.8	-41.3	94.9	-225.2	-
pH	SU	NV	7.71	8.02	7.49	7.63	7.48	7.5	7.21	-	8.82	7.51	7.12	7.43	7.71	7.38	9.43	7.54	-
Specific Conductivity	mS/cm	NV	0.44	0.7	0.59	0.746	0.645	1.084	0.647	-	0.914	0.696	0.3261	0.000726	0.2497	0.539	0.465	1.384	-
Temperature	Deg C	NV	13.61	9.17	5.85	15.5	6.68	11.97	14.4	-	6.6	16.2	6.2	15.12	3.9	14.2	7.57	14.3	-
GASES																			
Ethane	ug/L	NV	-	< 1 U	< 7.5 U	-	< 7.5 U	< 7.5 U	< 7.5 U	-	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	-
Ethylene	ug/L	NV	-	< 1 U	41	-	< 7 U	210	< 7 U	-	38	200	< 7 U	< 7 U	< 7 U	19	< 7 U	32	-
Methane	ug/L	NV	-	< 1.1 U	12	-	< 4 U	190	< 4 U	-	44	280	< 4 U	2.9 J	2.4 J	550	< 4 U	220	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	5.1	11.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	2.6	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	149	105 B	-	76.6	116	70.4	-	98.6	123	49.3	96.1	46.9	86.4	46	98.4 B	-
Total organic carbon	mg/L	NV	-	5.1	4.4	-	4.6	3.5	2.3	-	3.4	3.6	11.5	3.3	5.1	2.3	3.8	2.1	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1 U	0.3 J	< 10 U	**9.1 J**	< 1 U	**79**	< 1 U	**57**	**37**	**130**	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	1.9	2.5
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.21 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.23 U
1,1-Dichloroethane	ug/L	5	< 1 U	< 1 U	**5.4 J**	**10**	< 1 U	**46**	< 1 U	**39**	**12 J**	**60**	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	2.2	0.98
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	**26**	< 1 U	**20**	< 25 U	**38**	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	0.64 J	< 0.29 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	0.47 J	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.21 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 1 U	< 10 U	-	< 1 U	< 1 U	< 1 U	-	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.72 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 5 U	< 5 U	< 100 U	< 100 U	< 10 U	< 10 U	< 10 U	< 100 U	< 250 U	< 250 U	< 40 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1.3 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 50 U	< 50 U	< 5 U	< 5 U	< 5 U	< 50 U	< 130 U	< 130 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1.2 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 50 U	< 50 U	< 5 U	< 5 U	< 5 U	< 50 U	< 130 U	< 130 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2.1 U
Acetone	ug/L	50	< 1 U	< 1 U	< 100 U	< 100 U	< 10 U	< 10 U	< 10 U	< 100 U	< 250 U	< 250 U+	< 40 U	3.2 J	3.2 J	< 10 U	5.4 J	< 10 U	< 3 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	**1.4**	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.41 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.39 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.26 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.69 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	0.27 J	< 1 U	< 0.19 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	EW-13
	Sample Date		10/31/2018	12/13/2018	3/28/2019	9/25/2019	1/15/2020	5/27/2020	8/21/2020	10/14/2020	3/18/2021	10/11/2021	3/22/2022	10/7/2022	3/20/2023	10/19/2023	3/25/2024	10/24/2024	10/22/2013
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.27 U
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.75 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.32 U
Chloroform (trichloromethane)	ug/L	7	1.2	0.38 J	< 10 U	< 10 U	< 1 U	0.43 J	1.5	< 10 U	< 25 U	< 25 U	< 4 U	0.39 J	< 1 U	0.39 J	< 1 U	< 1 U	< 0.34 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U+	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.35 U
cis-1,2-Dichloroethene	ug/L	5	3.3	4	**440**	**640**	**27**	**5000**	**10**	**3700**	**940**	**5800 F1**	< 4 U	2.3	1.1	3.4	< 1 U	**240**	**23**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.36 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.32 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	1.7	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.74 U
Freon 113	ug/L	NV	-	-	-	23	-	-	-	28	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 20 U	< 20 U	< 2 U	2.2	< 2 U	< 20 U	< 50 U	< 50 U	< 8 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.66 U
Methylene chloride	ug/L	5	< 1 U	< 1 U	**5.4 J**	**49**	**11**	**2200**	1.4	**620**	**560**	**2900**	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	**12**	< 0.44 U
o-Xylene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	2.4	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.76 U
Styrene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.73 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.36 U
Toluene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	2	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.51 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	**18**	< 1 U	**10**	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.9 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.37 U
Trichloroethene	ug/L	5	**16**	**20**	**19**	**32**	**23**	**2600**	**34**	**440**	**1300**	**4800 F1**	**6**	**15**	**7.6**	**21**	4.2	**19**	< 0.46 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	< 1 U	< 1 U	**210**	**560**	**12**	**2800**	1.6	**860**	**230**	**1300**	< 4 U	< 1 U	< 1 U	1.1	< 1 U	**85**	**17**
Xylene (total)	ug/L	NV	-	-	-	< 20 U	-	-	-	< 20 U	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

Location			EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2
Sample Date			10/30/2014	10/21/2015	10/19/2016	11/14/2017	10/31/2018	9/24/2019	10/14/2020	10/6/2021	10/6/2022	10/18/2023	10/23/2024	10/22/2013	4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	-	-	0.03	-	0.1	0	0.3	0.82	-	-	-	-	-	-
Oxidation Reduction Potential	mV	NV	-	-	-	-	-	-214.4	-	-284.5	-244	-257.2	-359.3	-	-	-	-	-	-
pH	SU	NV	-	-	-	-	-	6.85	-	7.04	6.79	7.14	7.08	-	-	-	-	-	-
Specific Conductivity	mS/cm	NV	-	-	-	-	-	2.164	-	2.474	0.00324	2.202	6.092	-	-	-	-	-	-
Temperature	Deg C	NV	-	-	-	-	-	15.5	-	16.7	16.78	15.1	16.2	-	-	-	-	-	-
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**120**	**98**	**66**	**25**	**18**	**41**	**24**	**29**	**23**	**32**	**27**	**6.3**	4	**6.6**	3.2	3.1	**14**
1,1,2,2-Tetrachloroethane	ug/L	5	< 4.2 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 4.6 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.2 U	< 1 U	< 1.2 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**36**	**31**	**28**	**8.4**	**8.1**	**22**	**17**	**19**	**12**	**18**	**17**	**5.1**	3.6	**5.2**	3.4	4	**10**
1,1-Dichloroethene	ug/L	5	**6.6**	< 5 U	3.2	0.94	0.5 J	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.5 U	< 1 U	< 1.5 U	< 1 U	< 1 U	2.3
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 4.2 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 14 U	< 5 U	< 5 U	< 1 U	< 1 U	-	-	-	< 8 U	< 8 U	< 8 U	< 3.6 U	< 1 U	< 3.6 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 26 U	< 25 U	< 25 U	< 5 U	< 5 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 6.6 U	< 5 U	< 6.6 U	< 5 U	< 5 U	< 5 U
2-Hexanone	ug/L	50	< 25 U	< 25 U	< 25 U	< 5 U	< 5 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 6.2 U	< 5 U	< 6.2 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 42 U	< 25 U	< 25 U	< 5 U	< 5 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 11 U	< 5 U	< 11 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 60 U	< 25 U	< 25 U	< 5 U	2.1 J	< 80 U	< 80 U	< 80 U	< 80 U+	< 80 U	< 80 U	< 15 U	< 5 U	< 15 U	< 5 U	2.3	< 5 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 8.2 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 2.1 U	< 1 U	< 2.1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 7.8 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 5.2 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.3 U	< 1 U	< 1.3 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 14 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 3.5 U	< 1 U	< 3.5 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 3.8 U	5.5	< 5 U	0.37	0.41 J	< 8 U	5.5 J	< 8 U	< 8 U	< 8 U	< 8 U	< 0.95 U	< 1 U	< 0.95 U	< 1 U	< 1 U	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-13	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2
	Sample Date		10/30/2014	10/21/2015	10/19/2016	11/14/2017	10/31/2018	9/24/2019	10/14/2020	10/6/2021	10/6/2022	10/18/2023	10/23/2024	10/22/2013	4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 5.4 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.4 U	< 1 U	< 1.4 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 15 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 3.8 U	< 1 U	< 3.8 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 6.4 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.6 U	< 1 U	< 1.6 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 6.8 U	< 5 U	2.4	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.7 U	0.57	< 1.7 U	1.2	1.2	0.63
Chloromethane	ug/L	5	< 7 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.8 U	< 1 U	< 1.8 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**840**	**520**	**650**	**160**	**56**	**280**	**490**	**170**	**85**	**89**	**110**	**230**	**16**	**370**	**9.6**	**24**	**660**
cis-1,3-Dichloropropene	ug/L	0.4	< 7.2 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.8 U	< 1 U	< 1.8 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 6.4 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.6 U	< 1 U	< 1.6 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 15 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 3.7 U	< 1 U	< 3.7 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	9.5	14	19	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 13 U	< 15 U	< 10 U	< 2 U	< 2 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 3.3 U	< 2 U	< 3.3 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	< 8.8 U	< 5 U	< 5 U	1.6	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	**11**	< 2.2 U	< 1 U	< 2.2 U	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 15 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 3.8 U	< 1 U	< 3.8 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 15 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 3.7 U	< 1 U	< 3.7 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 7.2 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.8 U	< 1 U	< 1.8 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 10 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 2.6 U	< 1 U	< 2.6 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 18 U	4.3	4.6	1.4	1.2	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 4.5 U	1.3	< 4.5 U	1.4	1.2	3.7
Trans-1,3-Dichloropropene	ug/L	0.4	< 7.4 U	< 5 U	< 5 U	< 1 U	< 1 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 1.9 U	< 1 U	< 1.9 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	< 9.2 U	3.2	4.5	1.2	1.3	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	**9.1**	4.1	**6.2**	4.1	**5.1**	**10**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**610**	**570**	**550**	**160**	**160**	**530**	**440**	**590**	**380**	**400**	**420**	**6.7**	1.8	**57**	0.83	< 1 U	**180**
Xylene (total)	ug/L	NV	-	-	-	-	-	< 16 U	< 16 U	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2
	Sample Date		4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	4/11/2023	4/11/2023	10/19/2023	4/29/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	-	-	-	1.29	-	-	-	0.78	-	0	2.8	-	1.07	4.7
Oxidation Reduction Potential	mV	NV	-	-	-	-	-	-	204.5	-	-	-	-27.4	-	1.3	-67.7	-	-30.9	-317.8
pH	SU	NV	-	-	-	-	-	-	6.93	-	-	7.1	7.25	-	8.16	7.1	-	7.12	7.16
Specific Conductivity	mS/cm	NV	-	-	-	-	-	-	1.024	-	-	2.58	1.501	-	0.00195	1.39	-	1.3	1.827
Temperature	Deg C	NV	-	-	-	-	-	-	14.2	-	-	12.1	13.5	-	13.64	11.2	-	11.9	13.14
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	2.7	**21**	2.9	3.4	3	3.9	1.8	2.3	3.4	4.9	3.2	< 5 U	2.4	2.2	< 4 U	3.2	4.6
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	3.1	**13**	2.1	2.5	3.5	4.1	2.5	3.1	4.3	**6.6**	4.9	2.1 J	4	4.2	4.4	4.6	**5.9**
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	0.68	0.28	< 1 U	< 1 U	< 1 U	0.53 J	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-	-	-	-	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U+	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U+	< 5 U	< 5 U	< 20 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U+	< 5 U	< 5 U	< 20 U	< 5 U	< 5 U
Acetone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	1.8	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U+	< 10 U	< 50 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	< 1 U	0.23	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2
	Sample Date		4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	4/11/2023	4/11/2023	10/19/2023	4/29/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	0.46	0.65	0.64	1.3	1.1	1.2	2.9	1.4	1.7	4.1	1	< 5 U	1.3	0.41 J	< 4 U	2	0.71 J
Chloromethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**13**	**250**	**7.8**	**6.4**	**220**	**55**	**7.6**	**6.2**	**23**	**180**	**80**	**29**	**17**	**67**	**62**	**17**	**65**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	5.1	9.6	9	13	14	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 8 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	3.5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Styrene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Toluene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	0.96	2.9	1.1	1	2.3	2.1	< 1 U	< 1 U	1.1	2	1.5	< 5 U	< 1 U	1.2	< 4 U	< 1 U	1.4
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U+	< 1 U	< 1 U	< 4 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	3.2	**7.7**	2.7	2.7	**5.4**	**5.1**	**6.9**	**6.5**	**6.4**	**8.4**	**6.2**	**5.4**	**5.4**	4.2	3.7 J	4.6	4.3
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**3.3**	**200**	**2.8**	1.9	**220**	**170**	0.98 J	1.1	**17**	**150**	**230**	**130**	**9.5**	**140**	**160**	**53**	**81**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	< 2 U	< 2 U	< 2 U	< 2 U	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-2	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3
	Sample Date		10/22/2024	10/22/2013	4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	10/12/2020	4/14/2021
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	2.59	-	-	-	-	-	-	-	-	-	-	-	-	2.32	-	-	-
Oxidation Reduction Potential	mV	NV	357.7	-	-	-	-	-	-	-	-	-	-	-	-	-119.5	-	-	-
pH	SU	NV	7.08	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	6.91
Specific Conductivity	mS/cm	NV	2.416	-	-	-	-	-	-	-	-	-	-	-	-	2.135	-	-	1.99
Temperature	Deg C	NV	14.7	-	-	-	-	-	-	-	-	-	-	-	-	12.9	-	-	10.35
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	4.3	< 41 U	< 50 U	< 41 U	**15**	**14**	**17**	**17**	**17**	**14**	**16**	3.4	**12**	**11**	**9.6**	**10**	4.7
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 11 U	< 50 U	< 11 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 12 U	< 50 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
1,1-Dichloroethane	ug/L	5	3.8	< 19 U	< 50 U	< 19 U	**12**	**11**	**14**	**12**	**13**	**16**	**14**	4.1	**10**	**12**	**10**	**12**	**6.8**
1,1-Dichloroethene	ug/L	5	< 1 U	< 15 U	< 50 U	< 15 U	**5.7**	**6.7**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	0.83	< 1 U	0.55 J	< 10 U	< 4 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 11 U	< 50 U	< 11 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 36 U	< 50 U	< 36 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	-	-	-	-
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 66 U	< 250 U	< 66 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 13 U	< 13 U	< 10 U	< 10 U	< 100 U	< 40 U
2-Hexanone	ug/L	50	< 5 U	< 62 U	< 250 U	< 62 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 13 U	< 13 U	< 5 U	< 5 U	< 50 U	< 20 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 110 U	< 250 U	< 110 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 13 U	< 13 U	< 5 U	< 5 U	< 50 U	< 20 U
Acetone	ug/L	50	< 10 U	< 150 U	< 250 U	< 150 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	4.3	< 13 U	< 10 U	< 10 U	< 100 U	< 40 U+
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 21 U	< 250 U	< 21 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Bromodichloromethane	ug/L	50	< 1 U	< 20 U	< 50 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Bromoform	ug/L	50	< 1 U	< 13 U	< 50 U	< 13 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Bromomethane	ug/L	5	< 1 U	< 35 U	< 50 U	< 35 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Carbondisulfide	ug/L	60	< 1 U	< 9.5 U	< 50 U	< 9.5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	5.5	< 1 U	< 1 U	< 10 U	< 4 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-2	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3
	Sample Date		10/22/2024	10/22/2013	4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	10/12/2020	4/14/2021
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 14 U	< 50 U	< 14 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Chlorobenzene	ug/L	5	< 1 U	< 38 U	< 50 U	< 38 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Chloroethane	ug/L	5	< 1 U	< 16 U	< 50 U	< 16 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Chloroform (trichloromethane)	ug/L	7	5.1	< 17 U	< 50 U	< 17 U	< 10 U	4.3	< 10 U	< 10 U	< 10 U	< 10 U	3.4	0.98	< 2.5 U	0.39 J	0.54 J	< 10 U	< 4 U
Chloromethane	ug/L	5	< 1 U	< 18 U	< 50 U	< 18 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
cis-1,2-Dichloroethene	ug/L	5	**19**	**2500**	**2700**	**2300**	**1900**	**1900**	**1300**	**2000**	**1600**	**1300**	**1600**	**170**	**120**	**50**	**78**	**63**	**12**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 18 U	< 50 U	< 18 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Dibromochloromethane	ug/L	50	< 1 U	< 16 U	< 50 U	< 16 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 37 U	< 50 U	< 37 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	26	27	28	11
m,p-xylene	ug/L	5	< 2 U	< 33 U	< 100 U	< 33 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 5 U	< 5 U	< 2 U	< 2 U	< 20 U	< 8 U
Methylene chloride	ug/L	5	< 1 U	< 22 U	**22**	< 22 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
o-Xylene	ug/L	5	< 1 U	< 38 U	< 50 U	< 38 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Styrene	ug/L	5	< 1 U	< 37 U	< 50 U	< 37 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Tetrachloroethene	ug/L	5	< 1 U+	< 18 U	< 50 U	< 18 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Toluene	ug/L	5	< 1 U	< 26 U	< 50 U	< 26 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 45 U	< 50 U	< 45 U	**9.8**	**8.8**	**8.2**	**9.3**	**10**	**8.4**	**12**	2.4	**5.2**	4.8	4.4	< 10 U	< 4 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 19 U	< 50 U	< 19 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 10 U	< 4 U
Trichloroethene	ug/L	5	4.7	< 23 U	< 50 U	< 23 U	**6**	**6.5**	**5.5**	**6.2**	4.6	4.3	**5.1**	4.6	4	3.5	3.1	< 10 U	< 4 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**2.2**	**1200**	**990**	**910**	**1200**	**960**	**800**	**660**	**720**	**860**	**1000**	**370**	**650**	**530**	**590**	**500**	**150**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	< 2 U	< 2 U	< 20 U	< 8 U

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4
	Sample Date		10/7/2021	4/11/2022	10/3/2022	4/11/2023	10/19/2023	4/29/2024	4/29/2024	10/22/2024	10/22/2013	4/11/2014	10/30/2014	5/18/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.34	-	0	2.29	0.73	-	4.04	2.06	-	-	-	-	-	-	-	-	-
Oxidation Reduction Potential	mV	NV	-197.2	-	-126	-200.9	-223.3	-	-326.6	-163.8	-	-	-	-	-	-	-	-	-
pH	SU	NV	7.08	-	7.51	7.07	6.97	-	7.04	7.13	-	-	-	-	-	-	-	-	-
Specific Conductivity	mS/cm	NV	2.445	-	0.00357	3.32	2.355	-	3.16	6.588	-	-	-	-	-	-	-	-	-
Temperature	Deg C	NV	12.1	-	13.22	12.1	11.8	-	13.8	13.2	-	-	-	-	-	-	-	-	-
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**13**	**10**	< 20 U	< 20 U	< 20 U	**13**	< 20 U	< 20 U	2.3	1.7	1.2	0.85	1.1	0.88	0.93	1.1	0.81
1,1,2,2-Tetrachloroethane	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.42 U	< 2 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.46 U	< 2 U	< 0.23 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**14**	**14**	**14 J**	**15 J**	**16 J**	**16**	**16 J**	**12 J**	1.8	1.3	0.83	1.1	1.1	0.91	1.6	1.9	1
1,1-Dichloroethene	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	1.3	< 20 U	< 20 U	< 0.58 U	< 2 U	< 0.29 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.42 U	< 2 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	-	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 1.4 U	< 2 U	< 0.72 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 100 U	< 100 U+	< 200 U	< 200 U	< 200 U	< 10 U	< 200 U	< 200 U+	< 2.6 U	< 10 U	< 1.3 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
2-Hexanone	ug/L	50	< 50 U	< 50 U+	< 100 U	< 100 U	< 100 U	< 5 U	< 100 U	< 100 U	< 2.5 U	< 10 U	< 1.2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 50 U	< 50 U+	< 100 U	< 100 U	< 100 U	< 5 U	< 100 U	< 100 U	< 4.2 U	< 10 U	< 2.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 100 U	< 100 U	< 200 U	< 200 U	< 200 U	< 10 U	< 200 U	< 200 U	< 6 U	< 10 U	< 3 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.82 U	< 2 U	< 0.41 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.78 U	< 2 U	< 0.39 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.52 U	< 2 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 1.4 U	< 2 U	< 0.69 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	2.1	< 20 U	< 20 U	< 0.38 U	< 2 U	< 0.19 U	0.53	2.4	< 1 U	0.61	0.3	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-3	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4
	Sample Date		10/7/2021	4/11/2022	10/3/2022	4/11/2023	10/19/2023	4/29/2024	4/29/2024	10/22/2024	10/22/2013	4/11/2014	10/30/2014	5/18/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.54 U	< 2 U	< 0.27 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 1.5 U	< 2 U	< 0.75 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.64 U	< 2 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	0.39 J	< 20 U	< 20 U	< 0.68 U	< 2 U	< 0.34 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U+	< 0.7 U	< 2 U	< 0.35 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**240**	**470**	**510**	**400**	**270**	**260**	**260**	**56**	**96**	**70**	**37**	**27**	**34**	**25**	**39**	**69**	**32**
cis-1,3-Dichloropropene	ug/L	0.4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.72 U	< 2 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.64 U	< 2 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 1.5 U	< 2 U	< 0.74 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 20 U	< 20 U	< 40 U	< 40 U	< 40 U	< 2 U	< 40 U	< 40 U	< 1.3 U	< 4 U	< 0.66 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.88 U	< 2 U	< 0.44 U	< 1 U	< 1 U	0.91	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 1.5 U	< 2 U	< 0.76 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 1.5 U	< 2 U	< 0.73 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.72 U	< 2 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 1 U	< 2 U	< 0.51 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	**5.9**	< 20 U	< 20 U	2.1	< 2 U	1.2	1.1	1.3	1.3	1.9	1.8	0.88
Trans-1,3-Dichloropropene	ug/L	0.4	< 10 U	< 10 U+	< 20 U	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 0.74 U	< 2 U	< 0.37 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	< 10 U	**5.9 J**	< 20 U	< 20 U	< 20 U	3.9	< 20 U	< 20 U	1.2	< 2 U	0.57	0.41	0.77	0.57	0.71	0.85	0.42
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**890**	**1100 F1**	**1100**	**950**	**1100**	**1200**	**1700**	**700**	**110**	**83**	**65**	**57**	**56**	**34**	**50**	**54**	**36**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-5	EW-5	EW-5
	Sample Date		4/18/2018	10/30/2018	9/23/2019	9/23/2019	6/29/2020	10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	4/11/2023	10/19/2023	4/29/2024	10/22/2024	10/22/2013	4/11/2014	10/30/2014
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	4.57	-	-	-	2.48	-	2.56	5.88	3.8	13.13	7.96	-	-	-
Oxidation Reduction Potential	mV	NV	-	-	-	-64.7	-	-	-	-136.1	-	-86	-132.7	-156.3	-277.7	-95.3	-	-	-
pH	SU	NV	-	-	-	6.96	-	-	6.86	7.14	-	7.54	7.16	6.92	7.15	7.28	-	-	-
Specific Conductivity	mS/cm	NV	-	-	-	1.568	-	-	2.09	1.779	-	0.00238	1.76	1.528	1.58	3.707	-	-	-
Temperature	Deg C	NV	-	-	-	13.9	-	-	11.01	12.6	-	12.83	11.4	11.8	15.05	14.1	-	-	-
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	0.52	0.93	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 4.1 U	4.3	4.2
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 5 U	< 1.1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2	< 1.2 U	< 5 U	< 1.2 U
1,1-Dichloroethane	ug/L	5	1.3	1.9	1.6	1.4	0.8 J	1.4	1.4	1.4	0.49 J	1.2	0.75 J	0.73 J	< 1 U	1	< 1.9 U	**5.4**	4.5
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 1.5 U	1.5	< 1.5 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.1 U	< 5 U	< 1.1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 1 U	-	-	-	-	-	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 3.6 U	< 5 U	< 3.6 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U+	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 6.6 U	< 25 U	< 6.6 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U+	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UF2	< 6.2 U	< 25 U	< 6.2 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U+	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 11 U	< 25 U	< 11 U
Acetone	ug/L	50	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U+	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UF2	< 15 U	< 25 U	< 15 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.1 U	< 5 U	< 2.1 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 2 U	< 5 U	< 2 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.3 U	< 5 U	< 1.3 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2	< 3.5 U	< 5 U	< 3.5 U
Carbondisulfide	ug/L	60	< 1 U	1.9	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.26 J	0.32 J	< 0.95 U	< 5 U	< 0.95 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-4	EW-5	EW-5	EW-5
	Sample Date		4/18/2018	10/30/2018	9/23/2019	9/23/2019	6/29/2020	10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	4/11/2023	10/19/2023	4/29/2024	10/22/2024	10/22/2013	4/11/2014	10/30/2014
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 1.4 U	< 5 U	< 1.4 U
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.8 U	< 5 U	< 3.8 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 1.6 U	< 5 U	< 1.6 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.7 U	< 5 U	< 1.7 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2	< 1.8 U	< 5 U	< 1.8 U
cis-1,2-Dichloroethene	ug/L	5	**25**	**34**	**29**	**26**	**9.9**	**18**	**16**	**12**	**5.1**	**6.2**	5	**5.7**	2.7	4.9 F2	**390**	**470**	**400**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 1.8 U	< 5 U	< 1.8 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.6 U	< 5 U	< 1.6 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.7 U	< 5 U	< 3.7 U
Freon 113	ug/L	NV	-	-	1.7	1.1	1.2	1.5	1.3	1.5	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 3.3 U	< 10 U	< 3.3 U
Methylene chloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2	< 2.2 U	< 5 U	< 2.2 U
o-Xylene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.8 U	< 5 U	< 3.8 U
Styrene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.7 U	< 5 U	< 3.7 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1+	< 1.8 U	< 5 U	< 1.8 U
Toluene	ug/L	5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 2.6 U	< 5 U	< 2.6 U
trans-1,2-Dichloroethene	ug/L	5	0.86	1.7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.3	< 1 U	< 1 U	< 1 U	< 1 U	< 4.5 U	< 5 U	< 4.5 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U+	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1	< 1.9 U	< 5 U	< 1.9 U
Trichloroethene	ug/L	5	0.41	0.72	0.51 J	< 1 U	< 1 U	< 1 U	0.47 J	0.48 J	< 1 U	0.64 J	< 1 U	1.7	< 1 U	< 1 U	< 2.3 U	< 5 U	< 2.3 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**42**	**63**	**58**	**51**	**22**	**43**	**30**	**34**	**10**	**21 F1**	**12**	**16**	**4.6**	**17 F2**	**81**	**430**	**430**
Xylene (total)	ug/L	NV	-	-	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5
	Sample Date		5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	4/11/2023
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	1.59	-	0	4.44
Oxidation Reduction Potential	mV	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-155.8	-	-115	-145.2
pH	SU	NV	-	-	-	-	-	-	-	-	-	-	-	-	6.86	7.12	-	7.29	7.08
Specific Conductivity	mS/cm	NV	-	-	-	-	-	-	-	-	-	-	-	-	1.39	1.724	-	-	0.76
Temperature	Deg C	NV	-	-	-	-	-	-	-	-	-	-	-	-	12.66	12.6	-	12.59	10.8
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**11**	4.2	1.5	1.1	**15**	0.96	2.9	2.1	1.1	1.1	< 1 U	1.2	1.1	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	**10**	**5.2**	2.6	2.4	**10**	2.3	2.5	2.4	2	**6.1**	1.1	3	2.9	1.1	0.87 J	0.88 J	1.5
1,1-Dichloroethene	ug/L	5	< 10 U	< 5 U	< 2 U	0.8	2	< 2 U	0.74	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	-	-	-	-	-	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 50 U	< 25 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U+	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 50 U	< 25 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U+	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 50 U	< 25 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U+	< 5 U	< 5 U
Acetone	ug/L	50	< 50 U	< 50 U	< 10 U	< 5 U	5.8	6.3	< 5 U	2.2	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U+	< 10 U	< 10 U	< 10 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 10 U	< 5 U	6.4	4.3	0.31	0.6	0.41	0.31	1.1	0.39 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.33 J	< 1 U

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Groundwater Sampling Results - 2017- 2024
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	Location		EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5
	Sample Date		5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	4/11/2023
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	6.5	2.8	< 2 U	< 1 U	0.53	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**1600**	**450**	**140**	**85**	**530**	**78**	**220**	**62**	**19**	3.1	**6.4**	**9.8**	**19**	**21**	**27**	**13**	**5.6**
cis-1,3-Dichloropropene	ug/L	0.4	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	2.3	< 1 U	4.8	3.1	< 1 U	-	-	-
m,p-xylene	ug/L	5	< 20 U	< 10 U	< 4 U	< 2 U	< 2 U	< 4 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	0.49 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	**10**	4.3	2.8	3	4.1	3.2	1.7	1.4	0.99 J	< 1 U	< 1 U	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 10 U	< 5 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U+	< 1 U	< 1 U
Trichloroethene	ug/L	5	**5.6**	2.4	1.2	0.96	4.9	1.1	1.5	1.6	0.62 J	0.52 J	< 1 U	0.5 J	1.1	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**1000**	**500**	**230**	**150**	**210**	**170**	**150**	**170**	**72**	**2.9**	**9.1**	**22**	**11**	**26**	**29**	**22**	**12**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	< 2 U	< 2 U	< 2 U	< 2 U	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
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Wheatfield, NY

	Location		EW-5	EW-5	EW-5	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6
	Sample Date		10/19/2023	4/29/2024	10/22/2024	10/22/2013	4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	1.37	3.49	2.61	-	-	-	-	-	-	-	-	-	-	-	-	2.27	-
Oxidation Reduction Potential	mV	NV	-212	-328.4	-133.8	-	-	-	-	-	-	-	-	-	-	-	-	72.2	-
pH	SU	NV	7.02	7.05	7.05	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-
Specific Conductivity	mS/cm	NV	1.801	2.773	4.791	-	-	-	-	-	-	-	-	-	-	-	-	1.49	-
Temperature	Deg C	NV	11.2	14.37	11.5	-	-	-	-	-	-	-	-	-	-	-	-	15.3	-
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.82 U	< 1 U	< 0.82 U	< 1 U	< 1 U	3.5	2.8	1.6	0.87	3.3	< 1 U	0.39	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.21 U	< 1 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	< 1 U	< 0.23 U	< 1 U	< 0.23 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	1.1	2.9	0.66 J	< 0.38 U	< 1 U	0.8	0.4	0.39	3.6	2.2	3.6	0.89	2.9	0.61	0.55	< 1 U	0.5 J
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.29 U	< 1 U	< 0.29 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	< 1 U	< 0.21 U	< 1 U	< 0.21 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	< 1 U	< 1 U	< 1 U	< 0.72 U	< 1 U	< 0.72 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	-	-
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 10 U	< 10 U	< 1.3 U	< 5 U	< 1.3 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	< 5 U	< 1.2 U	< 5 U	< 1.2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	< 5 U	< 2.1 U	< 5 U	< 2.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	ug/L	50	< 10 U	< 10 U	< 10 U	< 3 U	< 5 U	< 3 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	1.4	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	< 1 U	< 0.41 U	< 1 U	< 0.41 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 0.39 U	< 1 U	< 0.39 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 1 U	< 1 U	< 1 U	< 0.26 U	< 1 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.69 U	< 1 U	< 0.69 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 1 U	0.33 J	< 1 U	< 0.19 U	< 1 U	< 0.19 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.47	< 1 U	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-5	EW-5	EW-5	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6
	Sample Date		10/19/2023	4/29/2024	10/22/2024	10/22/2013	4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.27 U	< 1 U	< 0.27 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.75 U	< 1 U	< 0.75 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.32 U	< 1 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	< 1 U	< 0.34 U	< 1 U	< 0.34 U	< 1 U	< 1 U	0.68	< 1 U	< 1 U	< 1 U	0.64	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.35 U	< 1 U	< 0.35 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.33	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	3.3	**13**	**16**	**8.9**	**18**	**77**	**26**	**12**	**19**	**10**	**69**	**36**	**170**	**29**	2.1	**11**	**18**
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 0.36 U	< 1 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	< 1 U	< 0.32 U	< 1 U	< 0.32 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.74 U	< 1 U	< 0.74 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 1 U	< 1 U
m,p-xylene	ug/L	5	< 2 U	< 2 U	< 2 U	< 0.66 U	< 2 U	< 0.66 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.44 U	< 1 U	< 0.44 U	< 1 U	< 1 U	< 1 U	0.9	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.76 U	< 1 U	< 0.76 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.73 U	< 1 U	< 0.73 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	< 1 U+	< 0.36 U	< 1 U	< 0.36 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.51 U	< 1 U	< 0.51 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.9 U	< 1 U	< 0.9 U	0.48	0.46	1.6	1.2	1.6	0.64	1.8	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	< 1 U	< 0.37 U	< 1 U	< 0.37 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	< 1 U	< 1 U	< 1 U	< 0.46 U	< 1 U	< 0.46 U	< 1 U	0.25	1.3	0.7	1.1	0.61	2.4	0.49	0.42	< 1 U	< 1 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**10**	**67**	**30**	< 0.9 U	**19**	**44**	1.2	0.44	0.65	0.34	0.48	< 1 U	**10**	**37**	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 2 U	< 2 U

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-7	EW-7	EW-7	EW-7	EW-7	EW-7
	Sample Date		10/12/2020	4/14/2021	4/14/2021	10/7/2021	4/11/2022	4/12/2022	10/3/2022	4/11/2023	10/19/2023	4/29/2024	10/22/2024	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/31/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	-	-	-	0.69	-	-	0	5.12	0.41	16.22	1.4	-	-	-	-	-	-
Oxidation Reduction Potential	mV	NV	-	-	-	-89.2	-	-	-144	-99.3	-153.3	-259.4	-151.8	-	-	-	-	-	-
pH	SU	NV	-	6.87	-	7.15	-	-	7.32	7.48	6.88	7.16	8.41	-	-	-	-	-	-
Specific Conductivity	mS/cm	NV	-	2.62	-	1.687	-	-	0.00203	1.76	1.33	1.931	2.593	-	-	-	-	-	-
Temperature	Deg C	NV	-	10.5	-	12.8	-	-	13.02	12.1	11.9	12.36	15	-	-	-	-	-	-
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	< 1 U	< 1 U	-	0.87 J	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**85**	**76**	**52**	**51**	5	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.1 U	< 2.1 U	< 1 U	< 5 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.3 U	< 2.3 U	< 1 U	< 5 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 1 U	0.61 J	-	1.6	0.82 J	-	1.3	0.54 J	0.96 J	0.75 J	0.79 J	**43**	**32**	**27**	**23**	4.4	< 1 U
1,1-Dichloroethene	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.9 U	4.9	2.6	< 5 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.1 U	< 2.1 U	< 1 U	< 5 U	< 1 U	< 1 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	-	-	-	-	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.2 U	< 7.2 U	< 1 U	< 5 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 10 U	< 10 U	-	< 10 U	< 10 U+	-	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 13 U	< 13 U	< 5 U	< 25 U	< 5 U	< 5 U
2-Hexanone	ug/L	50	< 5 U	< 5 U	-	< 5 U	< 5 U+	-	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 12 U	< 12 U	< 5 U	< 25 U	< 5 U	< 5 U
4-Methyl-2-pentanone	ug/L	NV	< 5 U	< 5 U	-	< 5 U	< 5 U+	-	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 21 U	< 21 U	< 5 U	< 25 U	< 5 U	< 5 U
Acetone	ug/L	50	< 10 U	< 10 U+	-	< 10 U	< 10 U	-	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 30 U	< 30 U	< 5 U	< 25 U	< 5 U	< 5 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.1 U	< 4.1 U	< 1 U	< 5 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	50	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.9 U	< 3.9 U	< 1 U	< 5 U	< 1 U	< 1 U
Bromoform	ug/L	50	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.6 U	< 2.6 U	< 1 U	< 5 U	< 1 U	< 1 U
Bromomethane	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 6.9 U	< 6.9 U	< 1 U	< 5 U	< 1 U	< 1 U
Carbondisulfide	ug/L	60	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.9 U	< 1.9 U	2.3	1.5	< 1 U	< 1 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-6	EW-7	EW-7	EW-7	EW-7	EW-7	EW-7
	Sample Date		10/12/2020	4/14/2021	4/14/2021	10/7/2021	4/11/2022	4/12/2022	10/3/2022	4/11/2023	10/19/2023	4/29/2024	10/22/2024	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/31/2018
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Carbontetrachloride	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2.7 U	-	< 1 U	< 5 U	< 1 U	< 1 U
Chlorobenzene	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.5 U	< 7.5 U	< 1 U	< 5 U	< 1 U	< 1 U
Chloroethane	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.2 U	< 3.2 U	< 1 U	< 5 U	< 1 U	< 1 U
Chloroform (trichloromethane)	ug/L	7	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.4 U	< 3.4 U	< 1 U	< 5 U	< 1 U	< 1 U
Chloromethane	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.5 U	< 3.5 U	< 1 U	< 5 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	ug/L	5	**21**	**7.8**	-	**32**	**28**	-	**32**	**18**	**16**	**13**	2.1	**250**	**910**	**610**	**690**	**20**	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.6 U	< 3.6 U	< 1 U	< 5 U	< 1 U	< 1 U
Dibromochloromethane	ug/L	50	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.2 U	< 3.2 U	< 1 U	< 5 U	< 1 U	< 1 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.4 U	< 7.4 U	0.2	< 5 U	< 1 U	< 1 U
Freon 113	ug/L	NV	< 1 U	0.45 J	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 2 U	< 2 U	-	< 2 U	< 2 U	-	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 6.6 U	< 6.6 U	< 2 U	< 10 U	< 2 U	< 2 U
Methylene chloride	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.4 U	< 4.4 U	**8.6**	**16**	< 1 U	< 1 U
o-Xylene	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.6 U	< 7.6 U	0.24	< 5 U	< 1 U	< 1 U
Styrene	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.3 U	< 7.3 U	< 1 U	< 5 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U+	< 3.6 U	< 3.6 U	< 1 U	< 5 U	< 1 U	< 1 U
Toluene	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5.1 U	< 5.1 U	< 1 U	< 5 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 1 U	< 1 U	-	< 1 U	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 9 U	< 9 U	3.8	4	0.36	< 1 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 1 U	< 1 U	-	< 1 U	< 1 U+	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.7 U	< 3.7 U	< 1 U	< 5 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	< 1 U	< 1 U	-	0.52 J	< 1 U	-	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.6 U	**6.6**	**8.2**	**6.4**	0.94	< 1 U
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	0.97 J	< 1 U	-	**36**	**20**	-	**19**	**15**	**11**	**8.3**	< 1 U	**700**	**640**	**470**	**490**	**35**	< 1 U
Xylene (total)	ug/L	NV	< 2 U	< 2 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-7	EW-7	EW-7	EW-7	EW-7	EW-7	EW-7	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8
	Sample Date		9/24/2019	10/14/2020	10/14/2020	10/7/2021	10/4/2022	10/18/2023	10/23/2024	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/14/2017	10/31/2018	9/24/2019	10/13/2020	10/5/2021	10/4/2022
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD READINGS																			
Dissolved oxygen	mg/L	NV	0.07	-	-	6.68	6.78	6.87	4.95	-	-	-	-	-	-	0.58	-	0.11	1.79
Oxidation Reduction Potential	mV	NV	-149.3	-	-	70.4	-69	34.5	-61.4	-	-	-	-	-	-	-344	-	-313.9	-316.4
pH	SU	NV	6.86	-	-	8.16	6.75	8.02	8.25	-	-	-	-	-	-	7	-	6.95	6.65
Specific Conductivity	mS/cm	NV	2.47	-	-	0.973	0.00301	1.038	3.366	-	-	-	-	-	-	2.583	-	2.676	2.471
Temperature	Deg C	NV	21.6	-	-	24.3	21.79	21.4	21	-	-	-	-	-	-	15.5	-	16.1	15.5
GASES																			
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																			
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																			
1,1,1-Trichloroethane	ug/L	5	**27**	**13**	**11**	< 1 U	**11**	< 1 U	< 1 U	**45**	**60**	**80**	**26**	3.1	2.1	< 200 U	< 200 U	< 100 U	**95 J**
1,1,2,2-Tetrachloroethane	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.2 U	< 4.2 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
1,1,2-Trichloroethane	ug/L	1	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.6 U	< 4.6 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
1,1-Dichloroethane	ug/L	5	**24**	**14**	**13**	< 1 U	**14**	< 1 U	< 1 U	**31**	**28**	**32**	**13**	2.1	2.2	< 200 U	< 200 U	**68 J**	**190**
1,1-Dichloroethene	ug/L	5	< 4 U	0.56 J	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5.8 U	< 5.8 U	**8.8**	3.2	< 1 U	0.36 J	< 200 U	< 200 U	< 100 U	< 100 U
1,2-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	0.6	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.2 U	< 4.2 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/L	1	-	-	-	-	< 1 U	< 1 U	< 1 U	< 14 U	< 14 U	< 10 U	< 5 U	< 1 U	< 1 U	-	-	-	< 100 U
1,3-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	ug/L	50	< 40 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 10 U	< 26 U	< 26 U	< 50 U	< 25 U	< 5 U	< 5 U	< 2000 U	< 2000 U	< 1000 U	< 1000 U
2-Hexanone	ug/L	50	< 20 U	< 5 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 25 U	< 50 U	< 25 U	< 5 U	< 5 U	< 1000 U	< 1000 U	< 500 U	< 500 U
4-Methyl-2-pentanone	ug/L	NV	< 20 U	< 5 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 42 U	< 42 U	< 50 U	< 25 U	< 5 U	< 5 U	< 1000 U	< 1000 U	< 500 U	< 500 U
Acetone	ug/L	50	< 40 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 10 U	< 60 U	< 60 U	< 50 U	< 25 U	< 5 U	< 5 U	< 2000 U	< 2000 U	< 1000 U	< 1000 U
Acrolein	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	1	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 8.2 U	< 8.2 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Bromodichloromethane	ug/L	50	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.8 U	< 7.8 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Bromoform	ug/L	50	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5.2 U	< 5.2 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Bromomethane	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 14 U	< 14 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Carbondisulfide	ug/L	60	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 3.8 U	< 3.8 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-7	EW-7	EW-7	EW-7	EW-7	EW-7	EW-7	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8	EW-8
	Sample Date		9/24/2019	10/14/2020	10/14/2020	10/7/2021	10/4/2022	10/18/2023	10/23/2024	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/14/2017	10/31/2018	9/24/2019	10/13/2020	10/5/2021	10/4/2022
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbontetrachloride	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5.4 U	< 5.4 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Chlorobenzene	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 15 U	< 15 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Chloroethane	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 6.4 U	< 6.4 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Chloroform (trichloromethane)	ug/L	7	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 6.8 U	< 6.8 U	< 10 U	2.8	1.1	1	< 200 U	< 200 U	< 100 U	< 100 U
Chloromethane	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7 U	< 7 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
cis-1,2-Dichloroethene	ug/L	5	**98**	**57**	**55**	< 1 U	**66**	< 1 U	< 1 U	**880**	**2400**	**2200**	**810**	**74**	**80**	**7400**	**6500**	**7700**	**10000**
cis-1,3-Dichloropropene	ug/L	0.4	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.2 U	< 7.2 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Dibromochloromethane	ug/L	50	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 6.4 U	< 6.4 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 15 U	< 15 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Freon 113	ug/L	NV	25	15	16	< 1 U	-	-	-	-	-	-	-	-	-	190 J	280	330	-
m,p-xylene	ug/L	5	< 8 U	< 2 U	< 8 U	< 2 U	< 2 U	< 2 U	< 2 U	< 13 U	< 13 U	< 20 U	< 10 U	< 2 U	< 2 U	< 400 U	< 400 U	< 200 U	< 200 U
Methylene chloride	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 8.8 U	< 8.8 U	< 10 U	< 5 U	< 1 U	**9.2**	**770**	< 200 U	**77 J**	**2800**
o-Xylene	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 15 U	< 15 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Styrene	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 15 U	< 15 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Tetrachloroethene	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.2 U	< 7.2 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Toluene	ug/L	5	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 5 U	1	1	< 200 U	< 200 U	< 100 U	< 100 U
trans-1,2-Dichloroethene	ug/L	5	< 4 U	1.6	< 4 U	< 1 U	1.5	< 1 U	< 1 U	< 18 U	< 18 U	**8.1**	4.3	0.63	0.54 J	< 200 U	< 200 U	< 100 U	< 100 U
Trans-1,3-Dichloropropene	ug/L	0.4	< 4 U	< 1 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 7.4 U	< 7.4 U	< 10 U	< 5 U	< 1 U	< 1 U	< 200 U	< 200 U	< 100 U	< 100 U
Trichloroethene	ug/L	5	2.2 J	1.8	< 4 U	< 1 U	2.4	< 1 U	< 1 U	< 9.2 U	< 9.2 U	**23**	**5.5**	1.8	3.1	**240**	**190 J**	**100**	**94 J**
Trichlorofluoromethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2	**290**	**160**	**120**	< 1 U	**230**	1.9	< 1 U	**1200**	**700**	**740**	**260**	**22**	**27**	**2000**	**1700**	**2000**	**4300**
Xylene (total)	ug/L	NV	< 8 U	< 2 U	< 8 U	-	-	-	-	-	-	-	-	-	-	< 400 U	< 400 U	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

	Location		EW-8	EW-8	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3
	Sample Date		10/17/2023	10/24/2024	4/3/2020	10/12/2020	12/3/2020	4/15/2021	10/8/2021	4/12/2022	10/3/2022	4/11/2023	4/12/2023	10/20/2023	4/29/2024	4/30/2024	10/23/2024
Parameter	**Units**	**GPS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
FIELD READINGS																	
Dissolved oxygen	mg/L	NV	0.22	0.76	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation Reduction Potential	mV	NV	-332.4	-393.7	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	SU	NV	6.91	6.71	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductivity	mS/cm	NV	2.296	6.437	-	-	-	-	-	-	-	-	-	-	-	-	-
Temperature	Deg C	NV	15	14.8	-	-	-	-	-	-	-	-	-	-	-	-	-
GASES																	
Ethane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEN CHEMISTRY																	
Alkalinity	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total organic carbon	mg/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILES																	
1,1,1-Trichloroethane	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	0.85 JH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
1,1,2-Trichloroethane	ug/L	1	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
1,1-Dichloroethane	ug/L	5	**400**	**280**	< 5 U	< 5 U	-	0.68 J	1.9 JH	0.92 J	< 5 U	-	< 5 U	0.78 J	-	< 5 U	< 5 U
1,1-Dichloroethene	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
1,2-Dichlorobenzene	ug/L	NV	-	-	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
1,2-Dichloroethane	ug/L	0.6	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
1,2-Dichloroethene (total)	ug/L	NV	-	-	22	22	-	7.9	37 H	33	26	-	13	13	-	9.1 J	8.6 J
1,2-Dichloropropane	ug/L	1	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
1,3-Dichlorobenzene	ug/L	NV	-	-	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
1,4-Dichlorobenzene	ug/L	NV	-	-	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
2-Butanone	ug/L	50	< 2000 U	< 2000 U	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	ug/L	50	< 1000 U	< 1000 U	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	ug/L	NV	< 1000 U	< 1000 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/L	50	< 2000 U	< 2000 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	ug/L	NV	-	-	< 100 U	< 100 U	-	< 4 UH	< 100 UH+	< 100 U	< 100 U	-	< 100 U	< 100 U	-	< 100 U	< 100 U+
Acrylonitrile	ug/L	NV	-	-	< 50 U	< 50 U	-	< 2 U	< 50 UH	< 50 U	< 50 U	-	< 50 U	< 50 U	-	< 50 U	< 50 U
Benzene	ug/L	1	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Bromodichloromethane	ug/L	50	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Bromoform	ug/L	50	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U-	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Bromomethane	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Carbondisulfide	ug/L	60	< 200 U	< 200 U	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 8
Groundwater Sampling Results - 2017- 2024
Former Bell Aerospace Textron Inc.
Wheatfield, NY

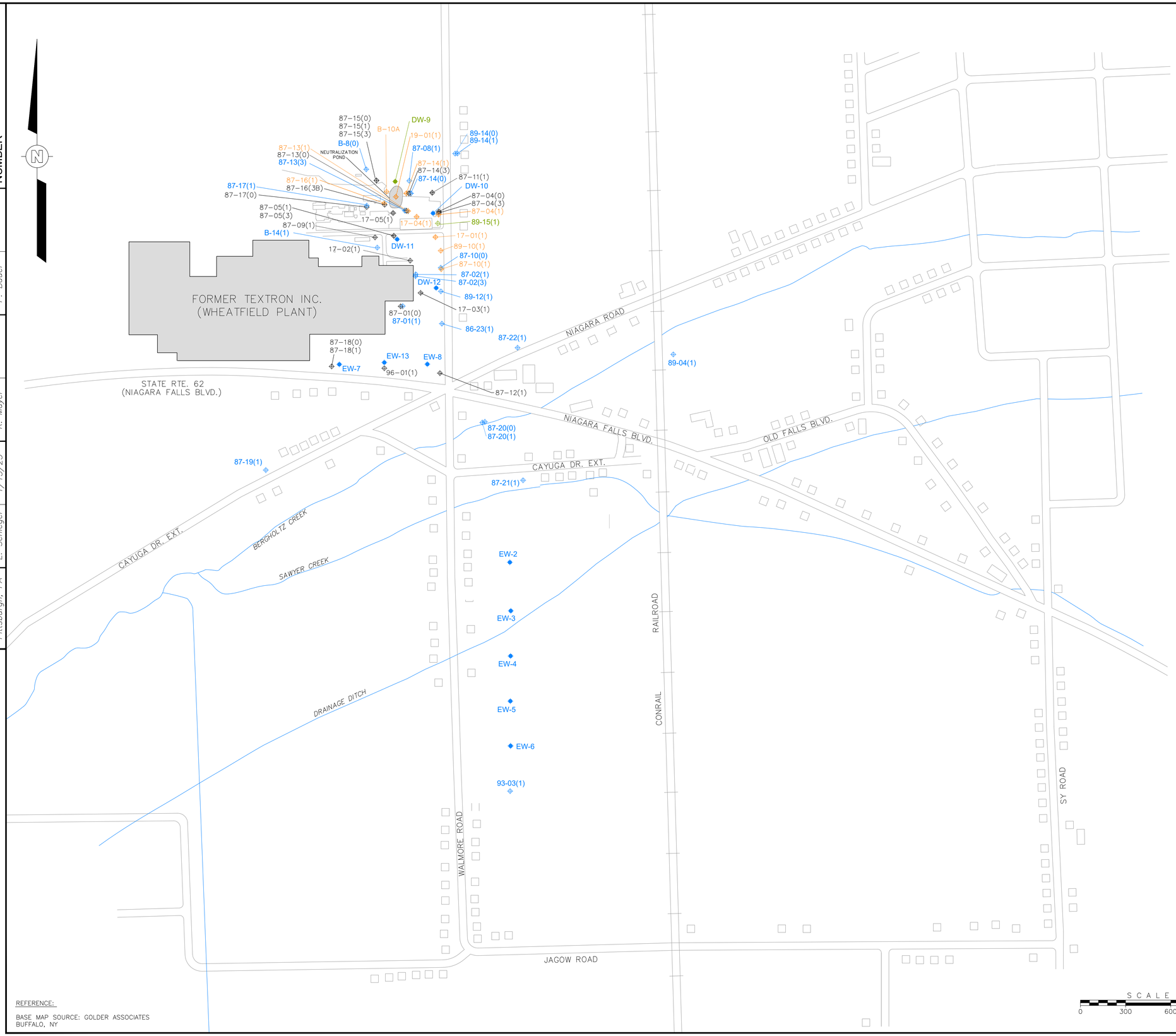
	Location		EW-8	EW-8	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3	MH 9-3
	Sample Date		10/17/2023	10/24/2024	4/3/2020	10/12/2020	12/3/2020	4/15/2021	10/8/2021	4/12/2022	10/3/2022	4/11/2023	4/12/2023	10/20/2023	4/29/2024	4/30/2024	10/23/2024
Parameter	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbontetrachloride	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Chlorobenzene	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Chloroethane	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Chloroform (trichloromethane)	ug/L	7	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Chloromethane	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	5	**17000 F1**	**14000**	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	ug/L	0.4	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Dibromochloromethane	ug/L	50	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U-	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Ethene,(2-chloroethoxy)-	ug/L	NV	-	-	< 25 U	< 25 U	-	< 1 U	< 25 UH	< 25 U	< 25 U	-	< 25 U	< 25 U	-	< 25 U	< 25 U
Ethylbenzene	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Freon 113	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-xylene	ug/L	5	< 400 U	< 400 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	5	< 200 U	**340**	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
o-Xylene	ug/L	5	< 200 U	< 200 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/L	5	< 200 U	< 200 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Toluene	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
trans-1,2-Dichloroethene	ug/L	5	< 200 U	< 200 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Trans-1,3-Dichloropropene	ug/L	0.4	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Trichloroethene	ug/L	5	< 200 U	< 200 U	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Trichlorofluoromethane	ug/L	NV	-	-	< 5 U	< 5 U	-	< 1 U	< 5 UH	< 5 U	< 5 U	-	< 5 U	< 5 U	-	< 5 U	< 5 U
Vinyl chloride	ug/L	2	**3700**	**2900**	**15**	< 5 U	-	< 1 U	**35 H**	**21**	< 5 U	-	< 5 U	**6.3**	-	**3.9 J**	**9.2**
Xylene (total)	ug/L	NV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Bold = Compound detected at concentration.
J = An estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
I = Interference with injection amendments in well.
H = Prepped or analyzed beyond the specified holdin
N = Normal Sample
FD = Field Duplicate Sample
- = Not Analyzed.
VOC = Volatile organic compounds

Figures

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	E. Schlegel 1/15/25	R. Mayer	P. Bauer	631037017-D2



LEGEND:

- FORMER EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL OR PIEZOMETER
- 87-04(0) MONITORING WELL OR PIEZOMETER PART OF THE GROUNDWATER SAMPLING PROGRAM
- 89-14(1) MONITORING WELL TO BE SAMPLED DURING EVEN-NUMBERED YEARS AS PART OF THE ANNUAL GROUNDWATER SAMPLING PROGRAM
- 17-01(1) MONITORING WELL TO BE SAMPLED AS PART OF THE BIO-REMEDIATION PROGRAM
- 89-15(1) MONITORING WELL TO BE SAMPLED DURING EVEN-NUMBERED YEARS AS PART OF THE ANNUAL SAMPLING PROGRAM AND THE BIO-REMEDIATION PROGRAM

NOTES:

1. GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.
2. REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.
3. WELL LOCATIONS SHOWN ARE APPROXIMATE.

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

SCALE
0 300 600 900 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 1

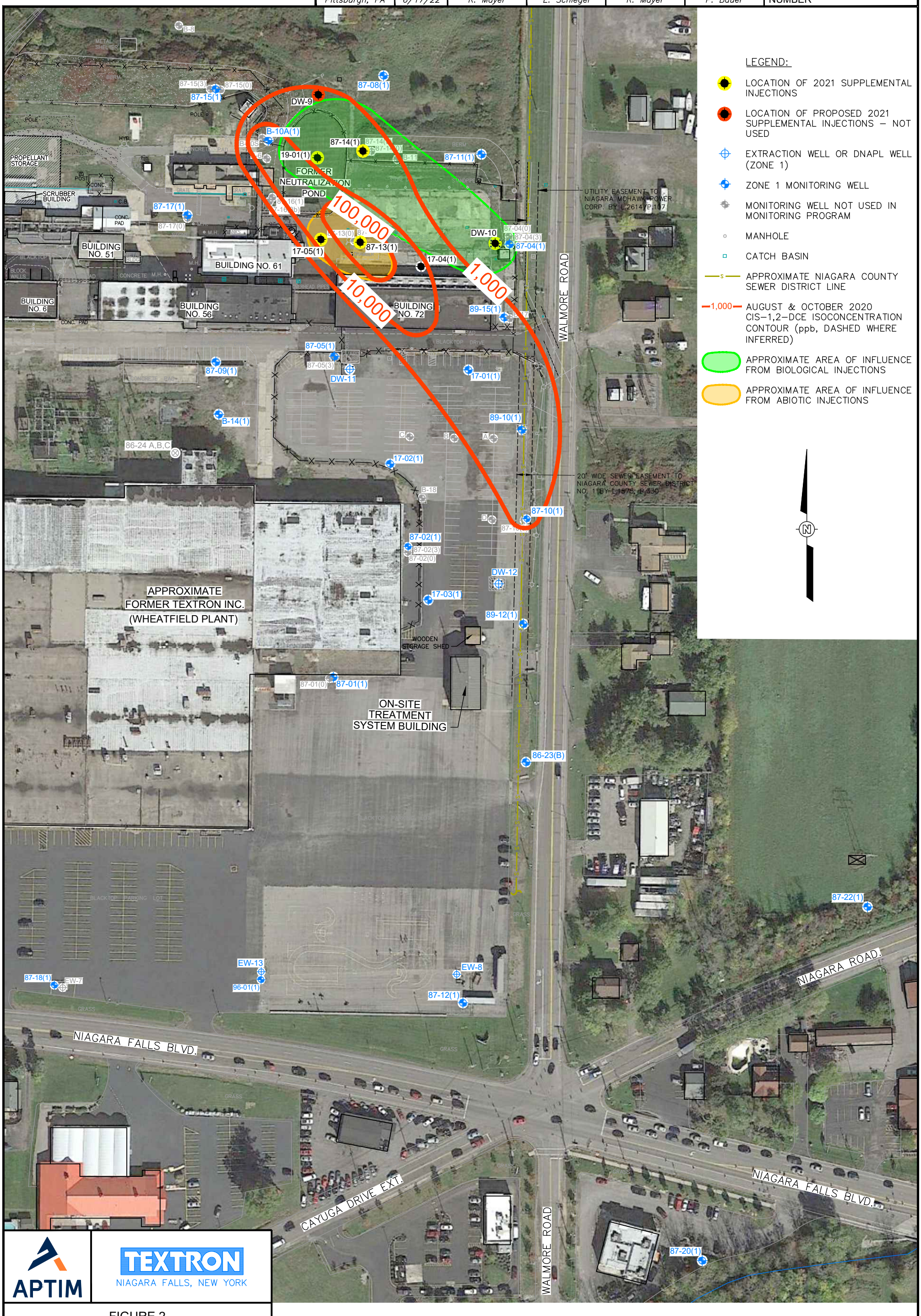
2024 SITE PLAN AND SAMPLE LOCATIONS

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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Plotted By: Eon.Schlegel

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Plot Date/Time: Feb 28, 2025 – 8:20am
Plotted By: Evan.Schlegel

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Pittsburgh, PA	6/17/22	R. Mayer	E. Schlegel	R. Mayer	P. Bauer	631232612-B38



APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 2
2021 BIOREMEDIATION PROGRAM
SUPPLEMENTAL INJECTION LOCATIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

SCALE
0 120 240 FEET

REFERENCE:

DERIVED FROM FONTANESE, FOLTS, AUBRECHT, AND ERNST ARCHITECTS, "MOOG INC.–PROJECT BELL–SITE PLAN", DATED JUNE 12, 2017.

DRAWING NUMBER 631037017-D3

APPROVED BY P. Bauer

CHECKED BY R. Mayer

DRAWN BY E. Schlegel 1/22/25

OFFICE Pittsburgh, PA

68,000 m E

69,000 m E

70,000 m E

74,000 m N

73,000 m N

FORMER TEXTRON INC.
(WHEATFIELD PLANT)

NEUTRALIZATION POND

87-14(1) (577.14)
87-13(1) (576.63)
87-08(1) (576.62)
DW-9 (571.73)
87-15(1) (577.52)
87-17(1) (578.04)
87-05(1) (576.22)
DW-11 (572.12)
B-14(1) (575.10)
89-14(1) 575.39
87-04(1) (576.09)
DW-10 (570.98)
89-15(1) (574.42)
87-10(1) (571.78)
DW-12 (575.08)
87-02(1) (573.90)
89-12(1) (571.55)
87-01(1) (571.01)
87-18(1) (567.87)
EW-13 (568.39)
EW-7 (568.25)
EW-8 (568.97)
87-12(1) (568.09)
87-22(1) (568.44)
89-04(1) (569.13)
96-01(1) (568.68)
87-20(1) (568.09)
87-19(1) (568.48)
87-21(1) (567.83)
EW-2 (560.05)
EW-3 (552.35)
EW-4 (563.48)
EW-5 (NM)
EW-6 (547.84)
93-03(1) (562.59)

574 573 572 571 570 569 568 567 566 565 564 563 576 575 577 578

STATE RTE. 62
(NIAGARA FALLS BLVD.)

NIAGARA ROAD

OLD FALLS BLVD.

NIAGARA FALLS BLVD.

CAYUGA DR. EXT.

BERGHOLTZ CREEK

SAWYER CREEK

DRAINAGE DITCH

WALMORE ROAD

RAILROAD

CONRAIL

SY ROAD

JAGOW ROAD

HORIZONTAL HYDRAULIC
GRADIENT = 0.008 FT/FT

LEGEND:

- EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL OR PIEZOMETER
- 573 — POTENTOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL (DASHED WHERE INFERRED)
- (576.09) WATER LEVEL ELEVATIONS AT MONITORING OR EXTRACTION WELL IN FEET MEAN SEA LEVEL.
- DIRECTION OF GROUNDWATER FLOW IN ZONE 1

NOTES:

1. GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.
2. REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.
3. WELL LOCATIONS SHOWN ARE APPROXIMATE.
4. WATER LEVEL MEASUREMENTS OBTAINED ON OCTOBER APRIL 29, 2024.
5. ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.
6. CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.
7. ON-SITE GROUNDWATER TREATMENT SYSTEM NOT OPERATING (DW-9, DW-10, DW-11, DW-12, EW-7, EW-8, AND EW-13).
8. FORMER TREATMENT SYSTEM WELLS DW-9, DW-10, DW-11, AND DW-12 WERE NOT USED FOR GENERATING GROUNDWATER CONTOURS.

SCALE
0 300 600 900 FEET

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP ZONE 1 BEDROCK - APRIL 2024

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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Plot Date/Time: Jan 22, 2025 - 11:07am
Plotted By: Evan.Schlegel

DRAWING NUMBER 631037017-D1

APPROVED BY P. Bauer

CHECKED BY R. Mayer 12/6/24

DRAWN BY E. Schlegel

OFFICE Pittsburgh, PA

68,000 m E

69,000 m E

70,000 m E

74,000 m N

73,000 m N

FORMER TEXTRON INC.
(WHEATFIELD PLANT)

NEUTRALIZATION POND

87-14(1) (573.65)
87-13(1) (575.92)
87-08(1) (575.79)
DW-9 (570.84)
87-15(1) (576.67)
89-14(1) (574.33)
DW-10 (570.58)
87-17(1) (577.21)
87-04(1) (575.16)
87-05(1) (575.56)
DW-11 (571.14)
B-14(1) (574.20)
89-15(1) (573.40)
87-10(1) (570.84)
DW-12 (574.57)
87-02(1) (573.26)
89-12(1) (570.61)
87-01(1) (570.17)
87-18(1) (567.14)
EW-13 (567.55)
EW-7 (567.41)
EW-8 (568.09)
87-22(1) (567.18)
89-04(1) (569.13)
87-12(1) (567.26)
96-01(1) (567.91)
87-20(1) (567.33)
87-19(1) (567.33)
87-21(1) (567.18)
EW-2 (559.47)
EW-3 (550.88)
EW-4 (544.54)
EW-5 (560.15)
EW-6 (558.84)
93-03(1) (561.80)

573 572 571 570 569 568 567 566 565 564 563 562 561 560 559 558 557 556 555 554 553 552 551 550 549 548 547 546 545

NIAGARA ROAD
STATE RTE. 62
(NIAGARA FALLS BLVD.)
OLD FALLS BLVD.
NIAGARA FALLS BLVD.
CAYUGA DR. EXT.
BERGHOLTZ CREEK
SAWYER CREEK
DRAINAGE DITCH
WALMORE ROAD
RAILROAD
CONRAIL
SY ROAD
JAGOW ROAD

HORIZONTAL HYDRAULIC GRADIENT = 0.008 FT/FT

LEGEND:

- EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL OR PIEZOMETER
- 573 — POTENTOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL (DASHED WHERE INFERRED)
- (575.16) WATER LEVEL ELEVATIONS AT MONITORING OR EXTRACTION WELL IN FEET MEAN SEA LEVEL.
- DIRECTION OF GROUNDWATER FLOW IN ZONE 1

NOTES:

1. GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.
2. REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.
3. WELL LOCATIONS SHOWN ARE APPROXIMATE.
4. WATER LEVEL MEASUREMENTS OBTAINED ON OCTOBER OCTOBER 21, 2024.
5. ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.
6. CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.
7. ON-SITE GROUNDWATER TREATMENT SYSTEM NOT OPERATING (DW-9, DW-10, DW-11, DW-12, EW-7, EW-8, AND EW-13).
8. FORMER TREATMENT SYSTEM WELLS DW-9, DW-10, AND DW-11, AND DW-12 WERE NOT USED FOR GENERATING GROUNDWATER CONTOURS.

SCALE
0 300 600 900 FEET

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

APTIM

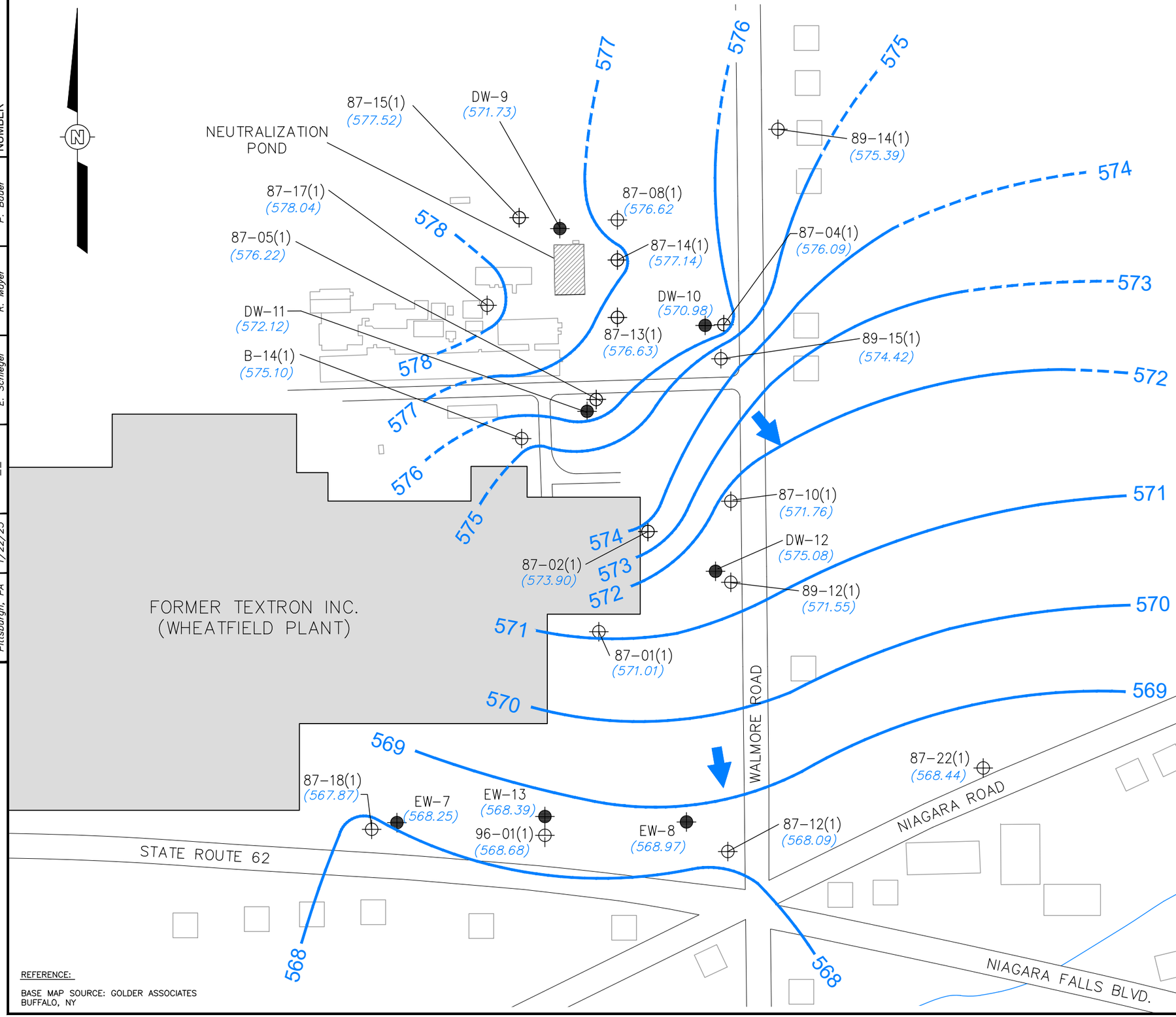
TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 4

GROUNDWATER ELEVATION CONTOUR MAP ZONE 1 BEDROCK - OCTOBER 2024

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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Plot Date/Time: Jan 22, 2025 - 11:04am
Plotted By: Evan.Schlegel



LEGEND:

- EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL
- (575.39) WATER LEVEL ELEVATIONS AT MONITORING OR EXTRACTION WELL IN FEET MEAN SEA LEVEL
- 576 POTENTIOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL (DASHED WHERE INFERRED)
- DIRECTION OF GROUND WATER FLOW IN ZONE 1

NOTES:

1. WELL LOCATIONS SHOWN ARE APPROXIMATE.
2. WATER LEVEL MEASUREMENTS OBTAINED ON APRIL 29, 2024.
3. ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.
4. CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.
5. ON-SITE GROUNDWATER TREATMENT SYSTEM NOT OPERATING (DW-9, DW-10, DW-11, DW-12, EW-7, EW-8, AND EW-13).
6. FORMER TREATMENT SYSTEM WELLS DW-9, DW-10, DW-11, AND DW-12 WERE NOT USED FOR GENERATING GROUNDWATER CONTOURS.

SCALE
0 200 400 FEET

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

APTIM

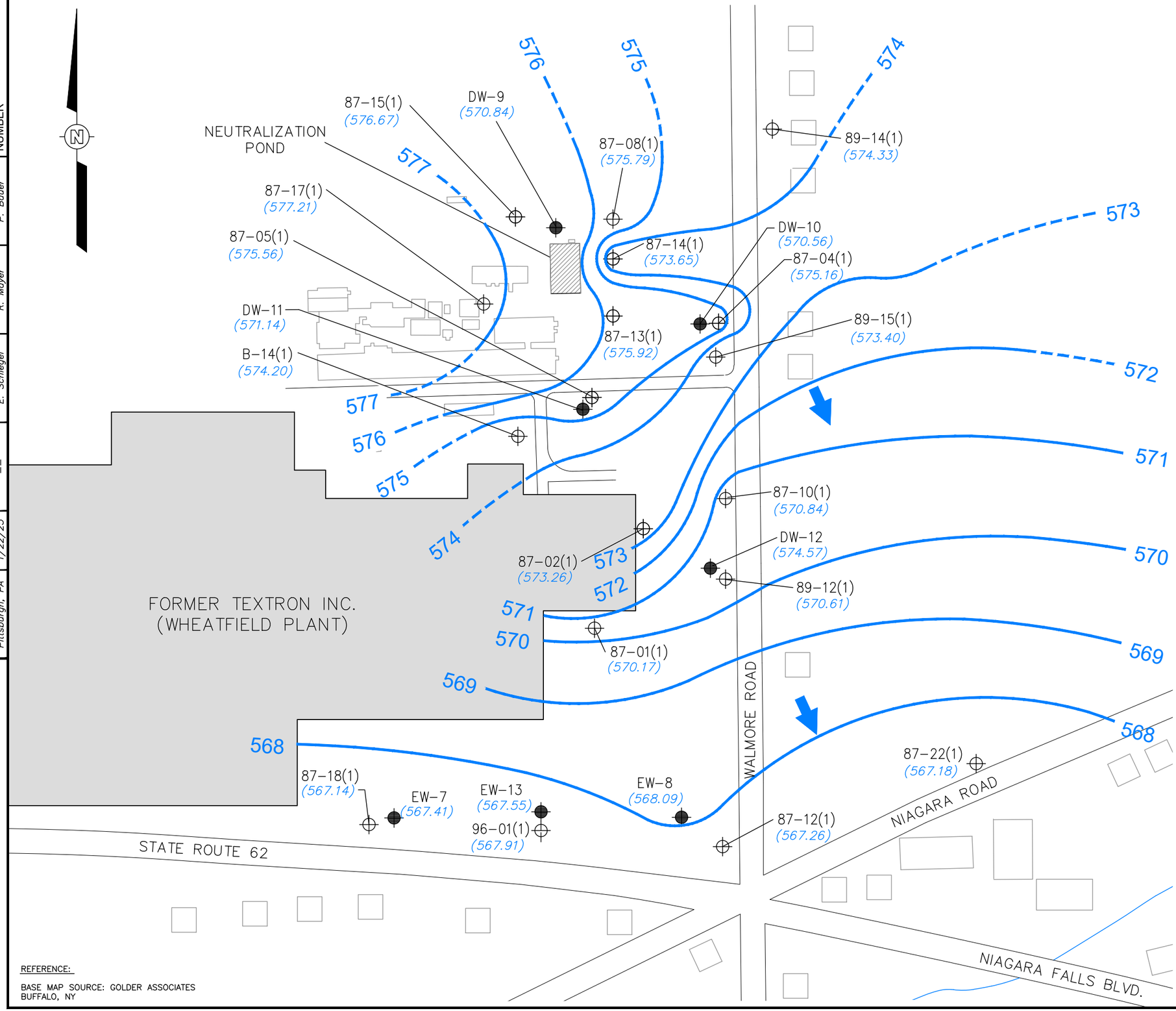
TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 5
ON-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 1 BEDROCK
APRIL 2024
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

DRAWING NUMBER	631037017-B4
APPROVED BY	P. Bauer
CHECKED BY	R. Moyer
DRAWN BY	E. Schlegel
DESIGNED BY	--
DATE	1/22/25
OFFICE	Pittsburgh, PA

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Plotted By: Evan.Schlegel
Image

DRAWING NUMBER	631037017-B5
APPROVED BY	P. Bauer
CHECKED BY	R. Moyer
DRAWN BY	E. Schlegel
DESIGNED BY	--
DATE	1/22/25
OFFICE	Pittsburgh, PA



LEGEND:

- EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL
- (574.33) WATER LEVEL ELEVATIONS AT MONITORING OR EXTRACTION WELL IN FEET MEAN SEA LEVEL
- 576 POTENTIOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL (DASHED WHERE INFERRED)
- DIRECTION OF GROUND WATER FLOW IN ZONE 1

NOTES:

1. WELL LOCATIONS SHOWN ARE APPROXIMATE.
2. WATER LEVEL MEASUREMENTS OBTAINED ON OCTOBER 21, 2024.
3. ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.
4. CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.
5. ON-SITE GROUNDWATER TREATMENT SYSTEM NOT OPERATING (DW-9, DW-10, DW-11, DW-12, EW-7, EW-8, AND EW-13).
6. FORMER TREATMENT SYSTEM WELLS DW-9, DW-10, DW-11, AND DW-12 WERE NOT USED FOR GENERATING GROUNDWATER CONTOURS.

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES BUFFALO, NY

SCALE

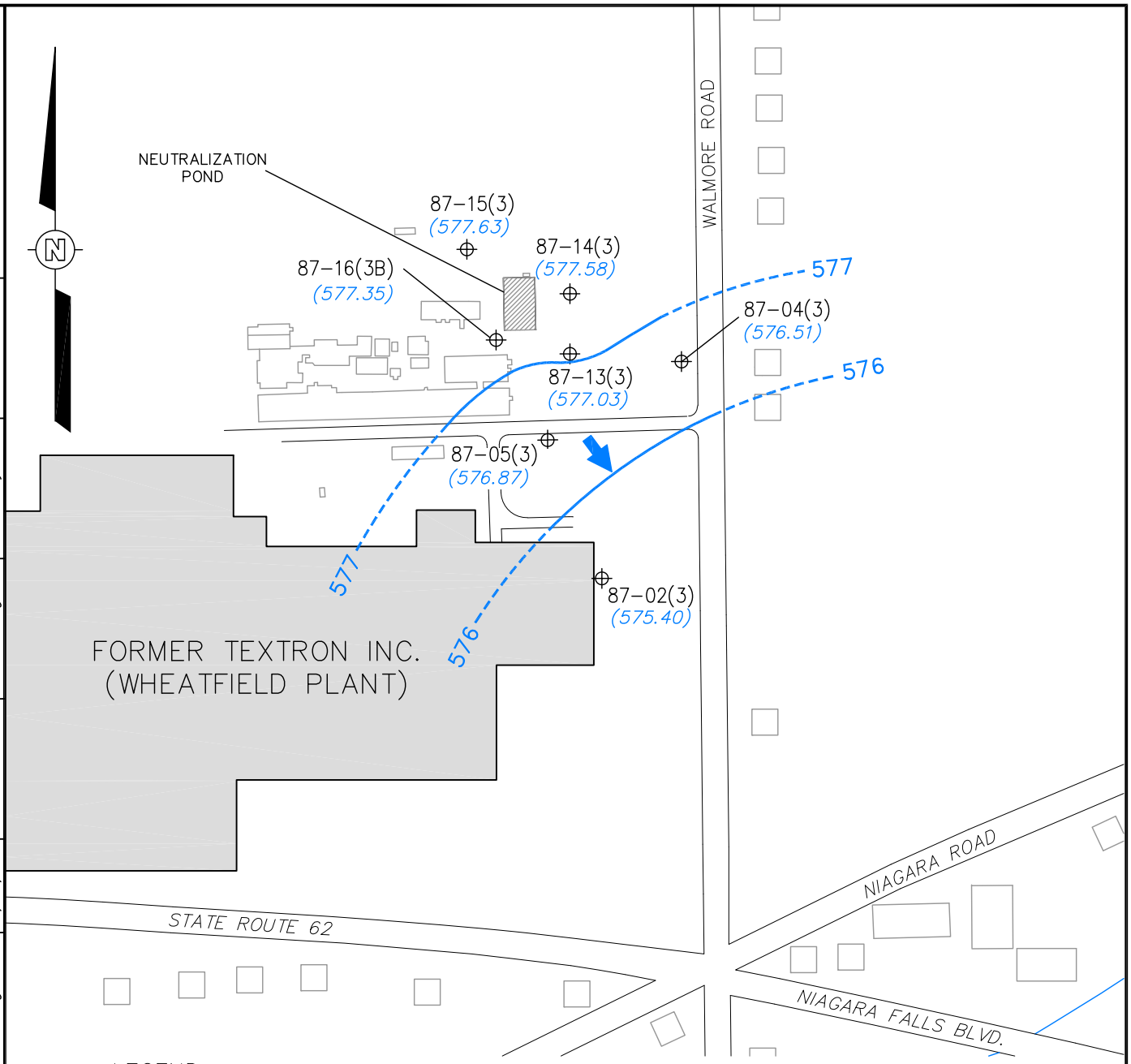
0 200 400 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 6
ON-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 1 BEDROCK
OCTOBER 2024
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Shaw Offices - CAD Files\Latham, NY\TEXTRON\631037017_2024\631037017-B5.dwg
Plot Date/Time: Feb 27, 2025 - 4:06pm
Plotted By: Evan.Schlegel
Image



LEGEND:

- ⌖ MONITORING WELL
- (575.40) WATER LEVEL ELEVATIONS AT MONITORING WELL IN FEET MEAN SEA LEVEL
- —577— POTENTIOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL (DASHED WHERE INFERRED)
- ➡ DIRECTION OF GROUND WATER FLOW IN ZONE 3

SCALE

0 300 600 FEET

NOTES:

1. WELL LOCATIONS SHOWN ARE APPROXIMATE.
2. WATER LEVEL MEASUREMENTS OBTAINED FROM OCTOBER 21, 2024.
3. ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.
4. CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 7

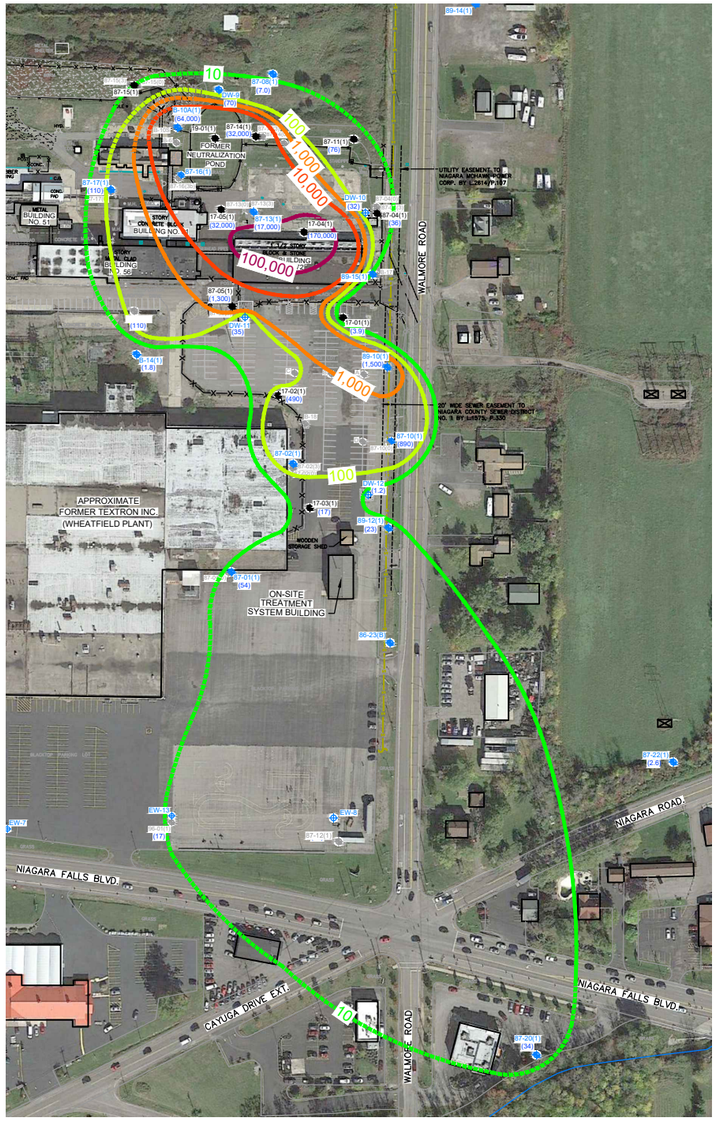
ON-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 3 BEDROCK
OCTOBER 2024

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

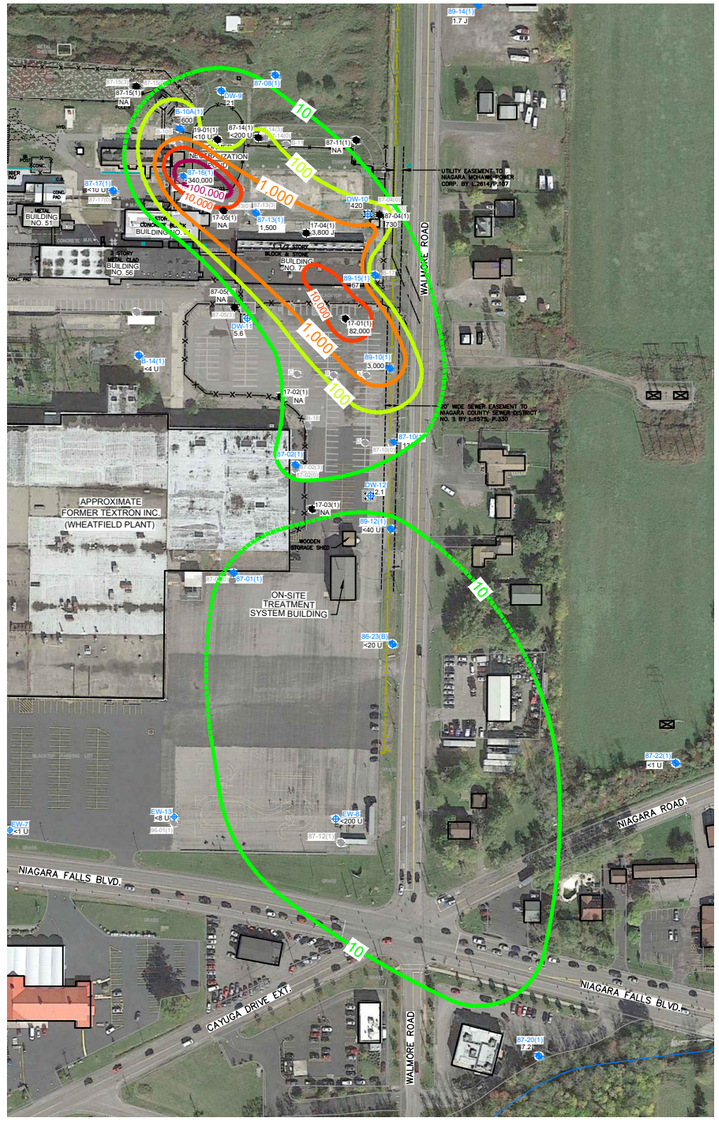
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631037017-A6	P. Bauer	R. Mayer	E. Schlegel	--	1/22/25	Pittsburgh, PA

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Plotted By: Evan.Schlegel
Xref: Image

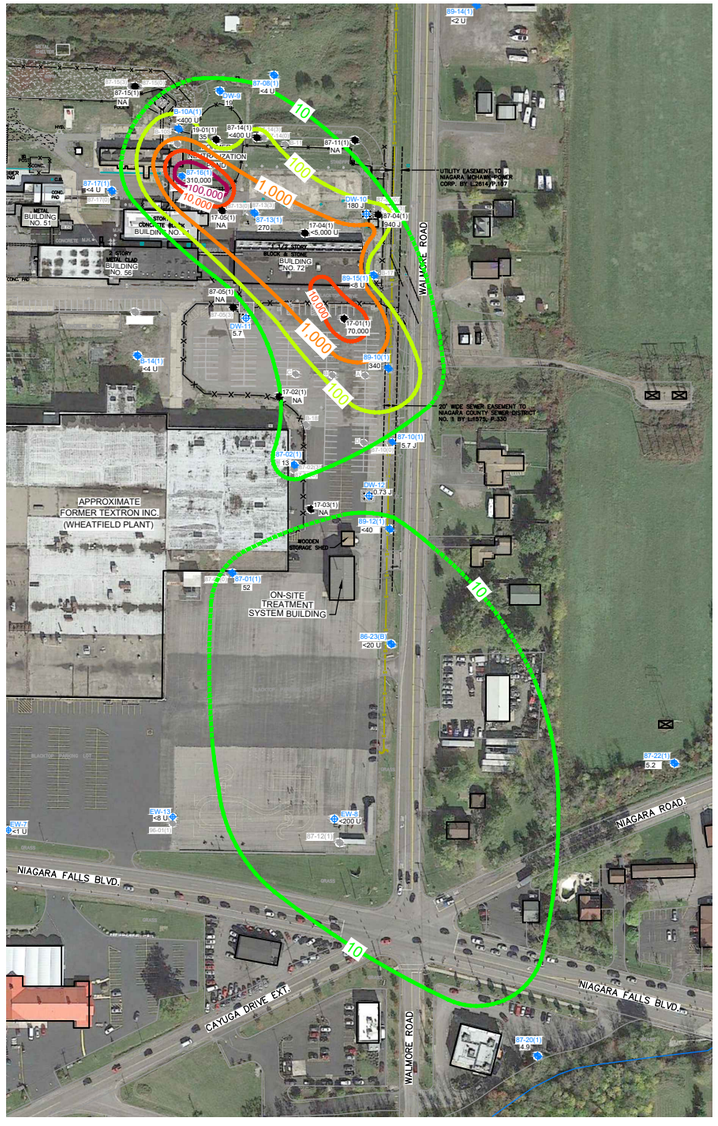
PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



POST INJECTION CONDITIONS (OCTOBER 2023)



POST INJECTION CONDITIONS (OCTOBER 2024)



LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 1,000 TRICHLOROETHENE ISOCONCENTRATION CONTOUR (µg/l, DASHED WHERE INFERRED)

SCALE

0 250 500 FEET

TRICHLOROETHENE			
Concentration (ug/L)	Pre-Injection Area in Sq. FT.	October 2023 Area in Sq. Ft.	October 2024 Area in Sq. Ft.
10	713,810	552,989	550,385
100	191,132	111,460	109,680
1,000	111,687	65,312	60,583
10,000	70,288	15,608	12,315
100,000	12,325	3,239	2,872

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

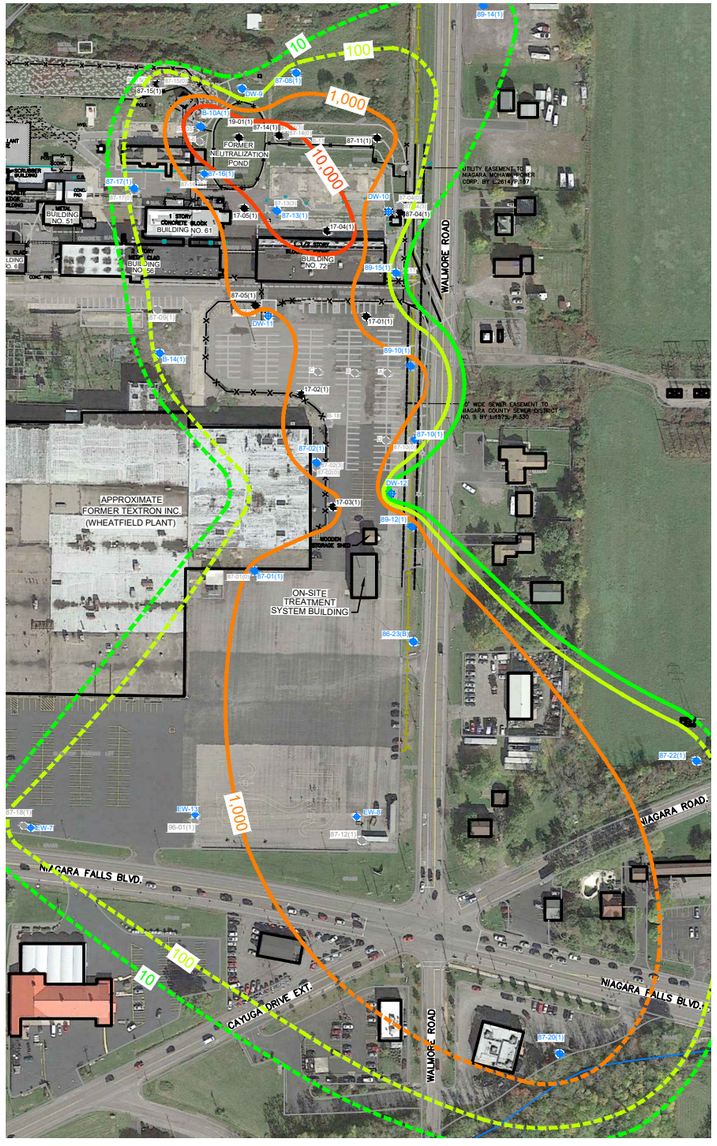
FIGURE 8
TRICHLOROETHENE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
--	E. Schlegel	R. Moyer	P. Bauer	631037017-B1

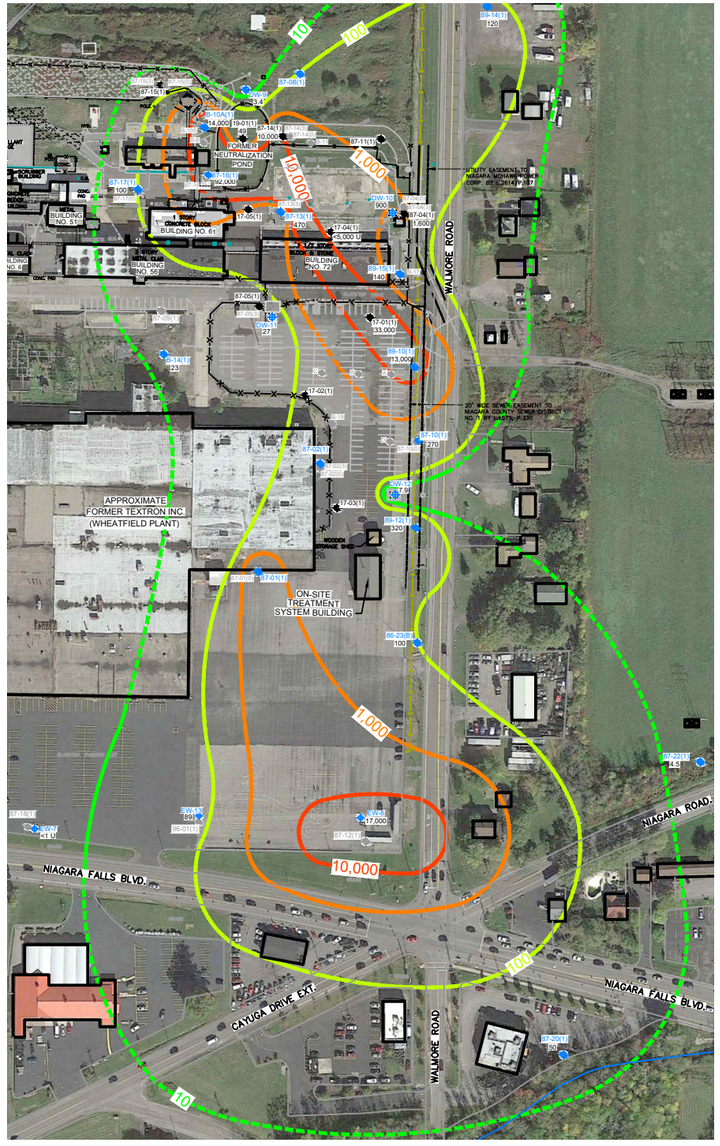
OFFICE	DATE
Pittsburgh, PA	12/6/24

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Plotted By: Evan.Schlegel
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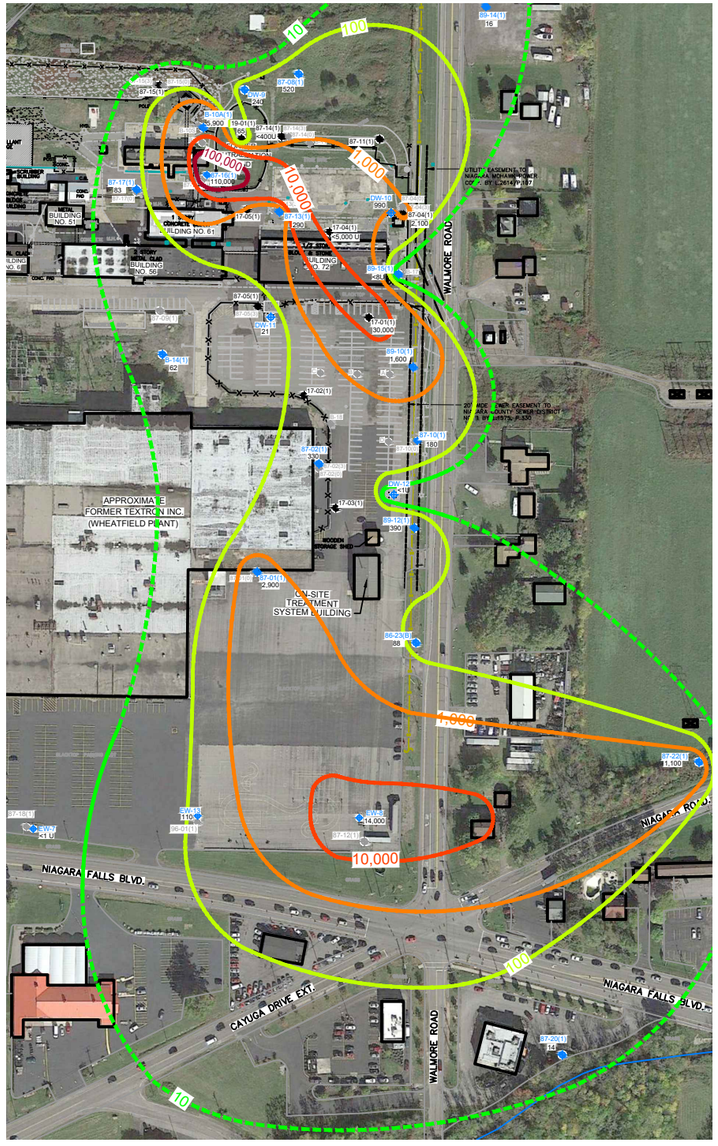
PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



POST INJECTION CONDITIONS (OCTOBER 2023)



POST INJECTION CONDITIONS (OCTOBER 2024)



N

LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 1,000 CIS–1,2–DCE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

SCALE

0 250 500 FEET

CIS-1,2-Dichloroethene			
Concentration (µg/L)	Pre-Injection Area in Sq. Ft.	October 2023 Area in Sq. Ft.	October 2024 Area in Sq. Ft.
10	1,300,567	1,089,627	1,378,262
100	1,081,035	680,104	722,876
1,000	613,722	251,091	333,498
10,000	37,160	62,916	59,822
100,000	0	0	3,758

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

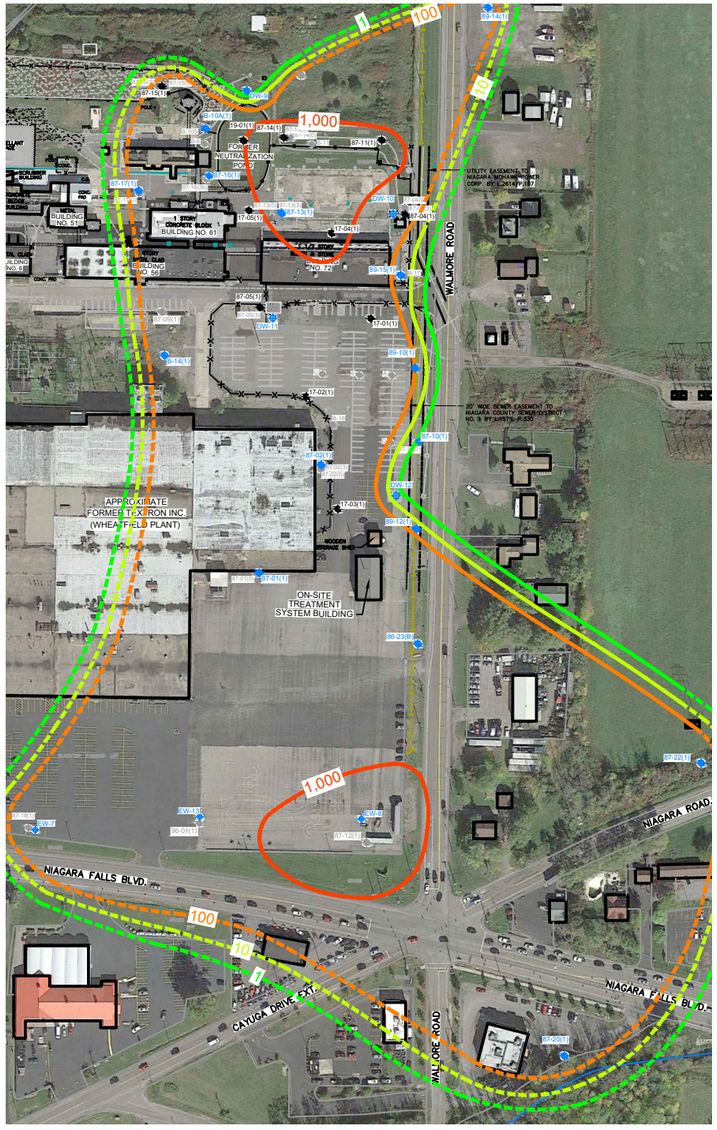
FIGURE 9
CIS-1,2-DCE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	DESIGNED BY	DATE
631037017-B3	P. Bauer	R. Mayer	E. Schlegel	---	1/15/25

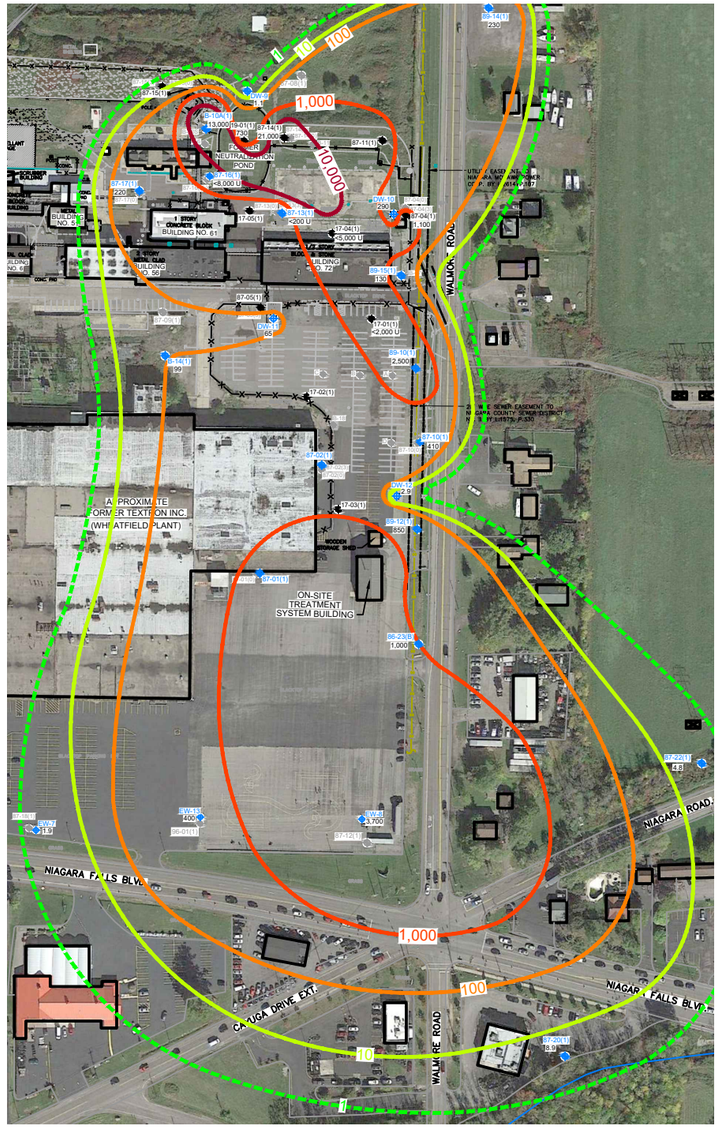
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Plotted By: Evan.Schlegel
Xref: Image

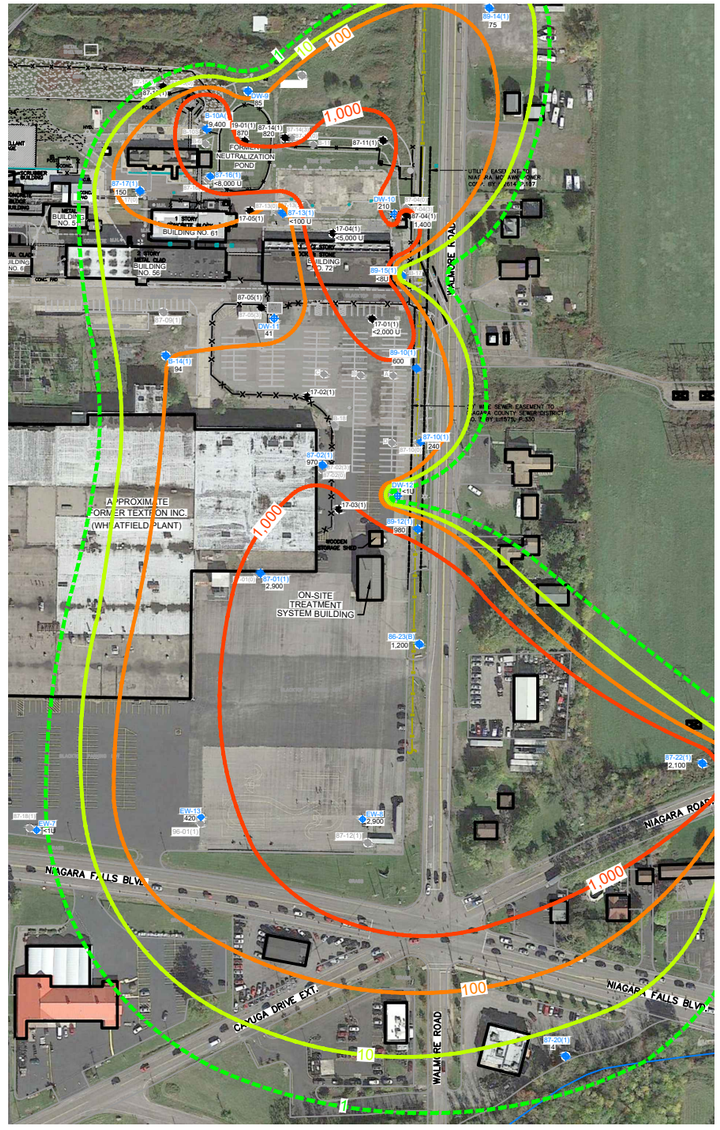
PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



POST-INJECTION CONDITIONS (OCTOBER 2023)



POST-INJECTION CONDITIONS (OCTOBER 2024)



N

LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 1,000 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

SCALE

0 250 500 FEET

Vinyl Chloride			
Concentration (µg/L)	Pre-Injection Area in Sq. Ft.	October 20223 Area in Sq. Ft.	October 2024 Area in Sq. Ft.
1	1,234,394	1,503,602	1,491,734
10	1,125,368	1,209,484	1,237,966
100	1,018,847	931,644	879,301
1,000	88,894	357,781	458,654
10,000	0	21,680	0

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 10
VINYL CHLORIDE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	E. Schlegel	R. Mayer	P. Bauer	631037017-B6

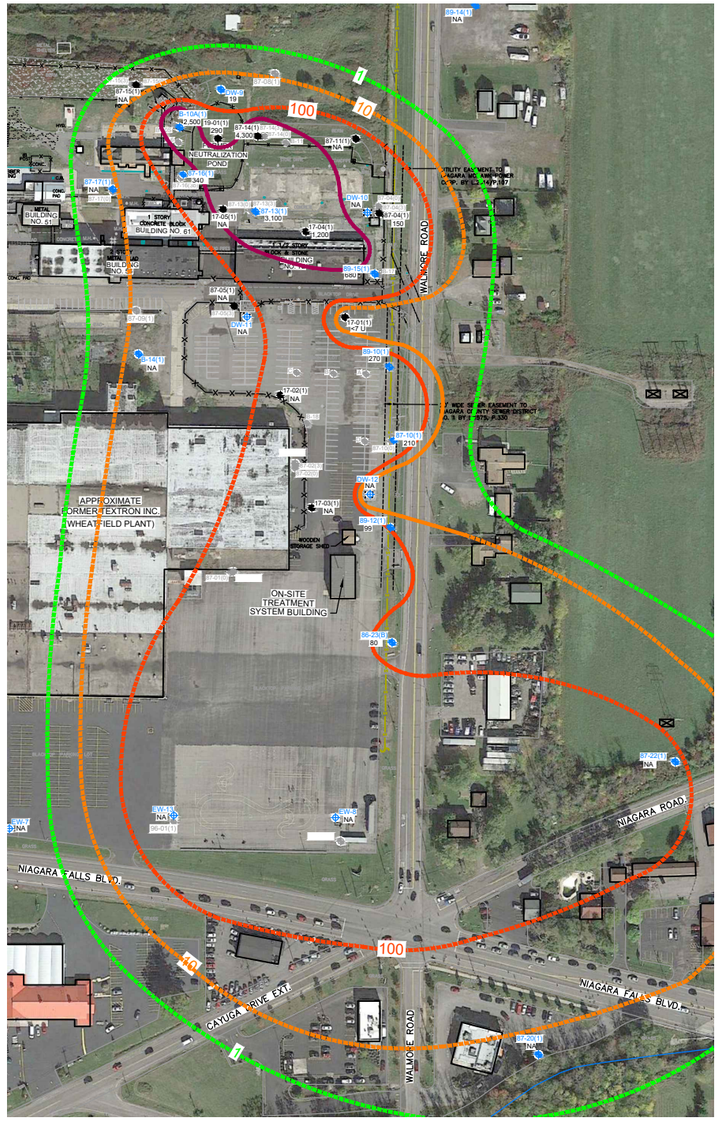
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Pittsburgh, PA	1/22/25

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Xref: Image

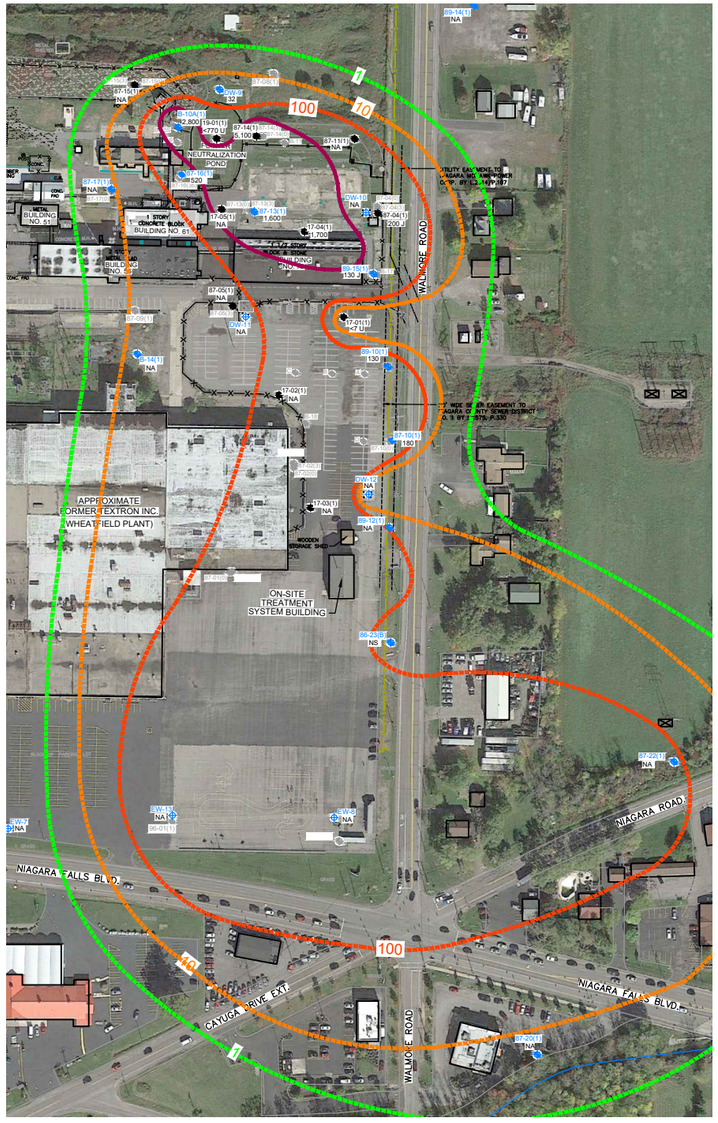
PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



POST-INJECTION CONDITIONS (OCTOBER 2023)



POST-INJECTION CONDITIONS (OCTOBER 2024)



LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 10 — ETHENE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

Ethene			
Concentration (µg/L)	Pre-Injection Area in Sq. Ft.	October 2023 Area in Sq. Ft.	October 2024 Area in Sq. Ft.
1	867,942	1,523,191	1,523,191
10	658,814	1,146,232	1,146,232
100	10,230	641,830	643,626
1,000	0	49,953	49,757

NOTES:

1. ETHENE IS THE FINAL DAUGHTER PRODUCT OF TRICHLOROETHENE (TCE) DEGRADATION AND ITS PRESENCE INDICATES COMPLETE REDUCTIVE DECHLORINATION.
2. NA = NOT ANALYZED FOR ETHENE.

SCALE
0 250 500 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

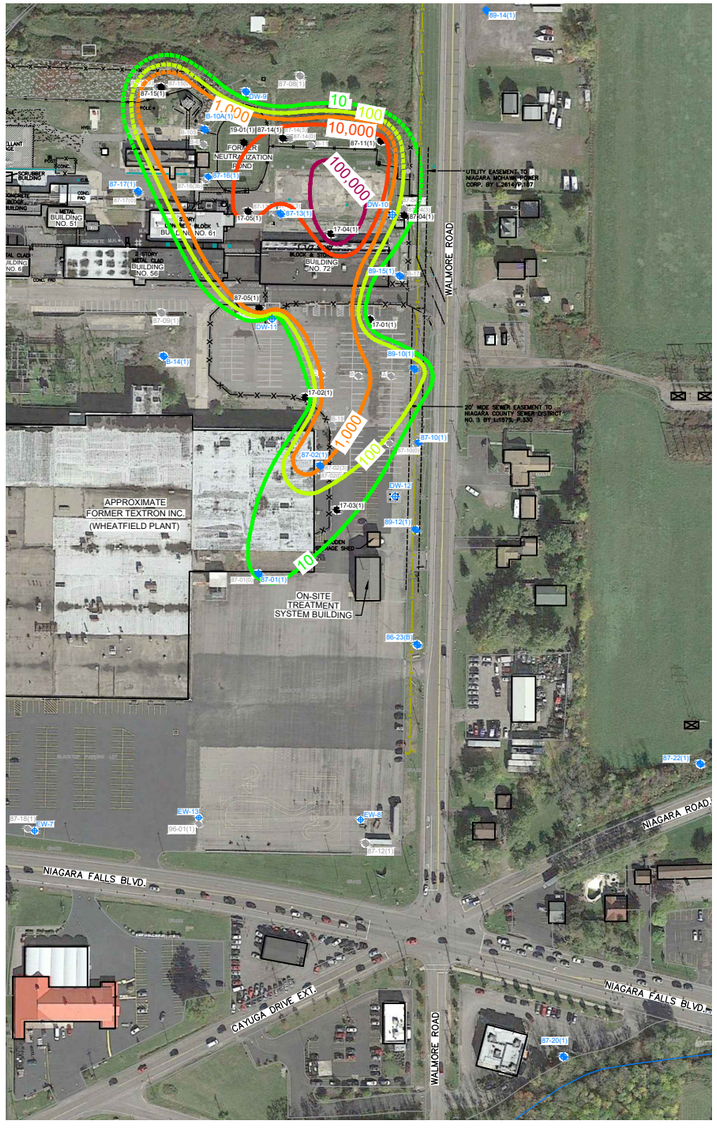
FIGURE 11
ETHENE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
--	E. Schlegel	R. Moyer	P. Bouer	631037017-B2

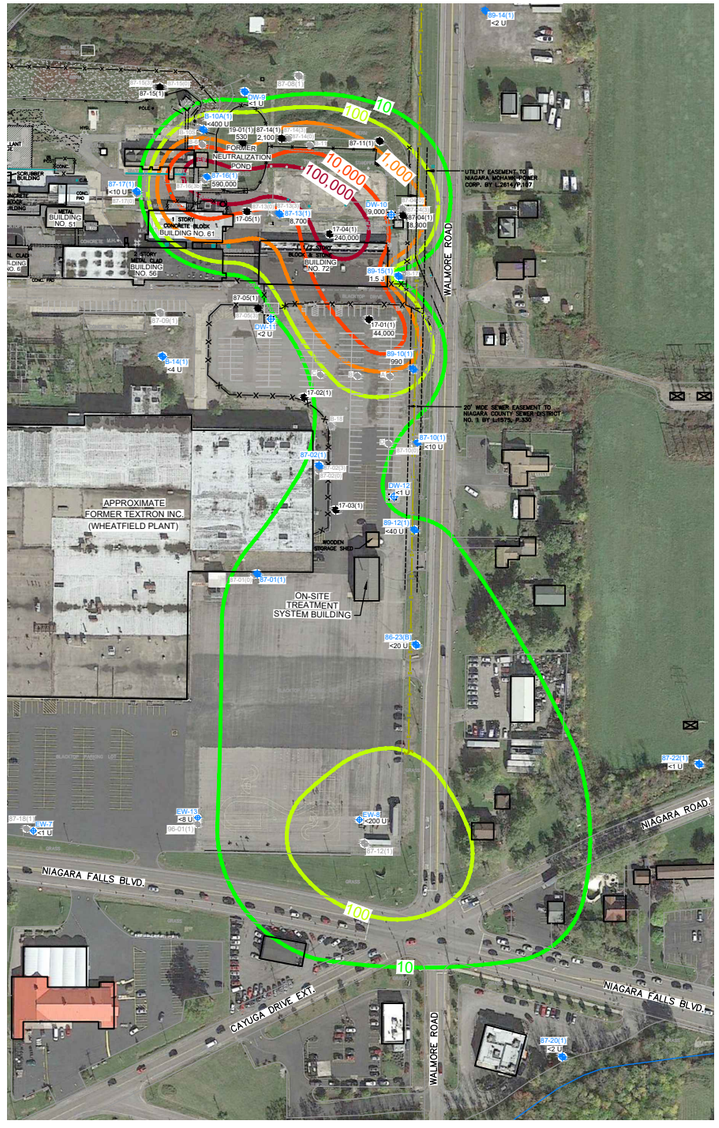
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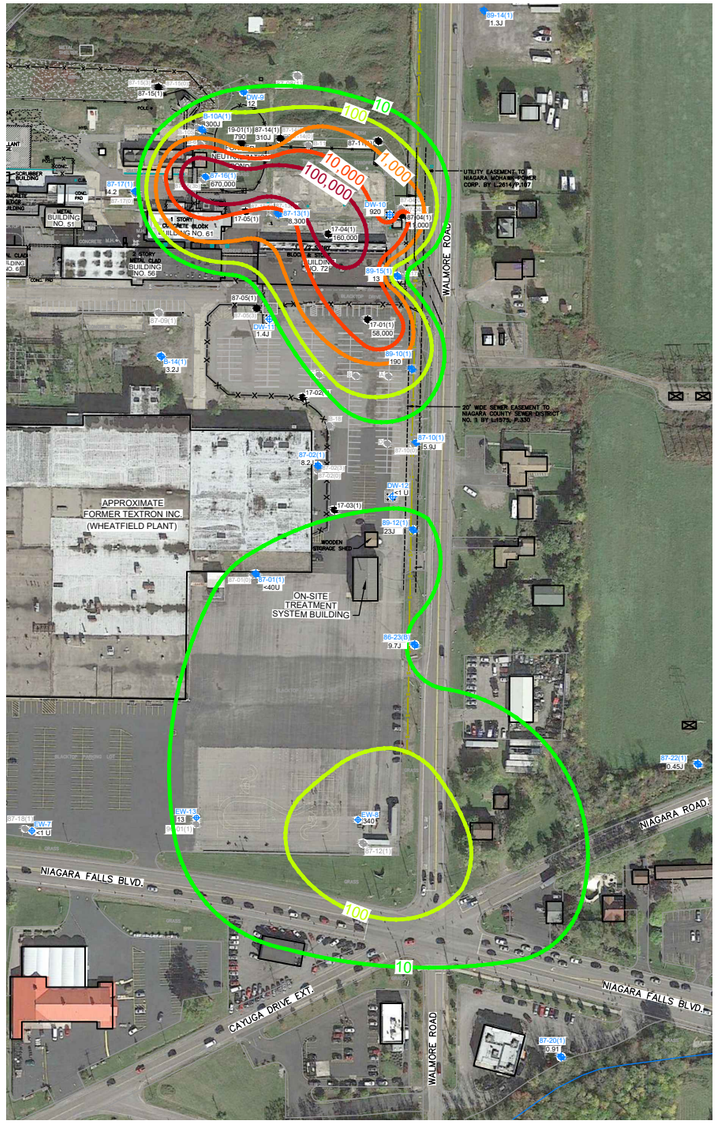
PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



POST-INJECTION CONDITIONS (OCTOBER 2023)



POST-INJECTION CONDITIONS (OCTOBER 2024)



LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 1,000 METHYLENE CHLORIDE ISOCONCENTRATION CONTOUR (µg/L, DASHED WHERE INFERRED)

SCALE

0 250 500 FEET

Methylene Chloride			
Concentration (µg/L)	Pre-Injection Area in Sq. Ft.	October 2023 Area in Sq. Ft.	October 2024 Area in Sq. Ft.
10	219,238	591,598	560,244
100	167,677	213,588	213,638
1,000	129,695	104,703	100,415
10,000	39,641	57,207	57,646
100,000	9,596	21,789	22,900

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 12
METHYLENE CHLORIDE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
--	E. Schlegel	R. Moyer	P. Bouer	631037017-B7

OFFICE	DATE
Pittsburgh, PA	1/22/25

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Plotted By: Evan.Schlegel
Xref:
Image

Appendix A

NYSDEC Correspondence

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7275
www.dec.ny.gov

July 16, 2024

Paul Bauer, P.G.
Project Manager
APTIM
500 Penn Center Boulevard, Suite 1000
Pittsburgh, Pennsylvania 15235

Dear Mr. Bauer:

Textron, Inc., Wheatfield, Site #932052
Revised 2023 Annual Summary and Site Maintenance and Monitoring Report – NYSDEC-NYSDOH Acceptance

The New York State Department of Environmental Conservation and the New York State Department of Health (the "Agencies") have reviewed the revised *2023 Annual Summary and Site Maintenance and Monitoring Report* (dated March 2024; Revised June 2024), and the associated responses to the Agencies' 5/7/2024 comments, received on 6/24/2024 for the former Bell Aerospace-Textron facility located in Wheatfield, New York and find them to be acceptable.

Thank you for your continued cooperation regarding the management of this site. If you have any questions, please call me at (716) 851-7289.

Sincerely,

Steven Moeller, P.G.
Professional Geologist 1

SM: ef

ec: Stanley Radon, NYSDEC
Sara Bogardus, NYSDOH
Stephen Lawrence, NYSDOH
Gregory Simpson, Textron

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7275
www.dec.ny.gov

November 21, 2024

Paul Bauer
Project Manager
APTIM
500 Penn Center Boulevard, Suite 1000
Pittsburgh, Pennsylvania 15235

Dear Paul Bauer:

Textron, Inc., Wheatfield, Site # 932052
Revised Bioremediation Program Work Plan
Supplemental Treatment Pilot Test,
E-Redox®, 2024 –
NYSDEC-NYSDOH Acceptance

The New York State Department of Environmental Conservation (the "Department") and the New York State Department of Health (the "Agencies") have reviewed the *Bioremediation Program Work Plan Supplemental Treatment Pilot Test, E-Redox, 2024* ("Work Plan"; Revised October 2024) received on 11/19/2024 for the former Bell Aerospace-Textron facility located in Wheatfield, New York. The Agencies find the revised Work Plan to be acceptable.

Thank you for your continued cooperation regarding the management of this site. If you have any questions, please contact me at (716)851-7289 or steven.moeller@dec.ny.gov.

Sincerely,

Steven Moeller, P.G.
Professional Geologist 1

SM/slr

ec: Andrea Caprio, NYSDEC
Sara Bogardus, NYSDOH
Stephen Lawrence, NYSDOH
Gregory Simpson, Textron

Appendix B

Field Sampling Data Sheets

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: B-10A(1)
Well Depth [ft-btoc]: ~27.20 (SWI)
Depth to Water [ft-btoc]: ~11.26
Well Casing Diameter [in]: 2" 1.25"
Start Time (purging): 1030

Sampling Date: March 25, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): 1.0 gal

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1032	9.38	10.44	74.73	-116.8	0.592	7.67	~14.01	~0.2	
1040	9.36	10.41	44.07	-197.8	1.149	6.09	~13.45	~0.7	
1050	9.37	10.37	41.68	-235.8	1.189	14.6	~14.04	~1.0	
1100	9.37	10.64	51.87	-240.5	1.269	13.5	~14.17	~1.5	

FLOW

Sample Time: 1105 Sample ID: B-10A(1)

Analytes Sampled: [X] VOCs [X] TOC, Methane, Ethane, Ethene, Sulfate [X] QA/QC Sample: DUP-1

PID (ppmv): 2.1 Odor: Y / (N) Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: DW-9
Well Depth [ft-btoc]: ~ 28.31'
Depth to Water [ft-btoc]: ~ 8.86'
Well Casing Diameter [in]: 2"
Start Time (purging): 0900

Sampling Date: March 25, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): 3.2 gal

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0930	9.36	7.40	191.16	89.6	0.407	9.28	~8.97	~1.1	
0935	9.40	7.44	169.12	89.0	0.465	10.5	~9.18	~2.7	
0940	9.42	7.47	178.95	89.8	0.466	15.1	~9.19	~3.5	
0946	9.43	7.57	195.81	94.9	0.465	19.9	~9.09	~4.6	

Sample Time: 0950
Sample ID: DW-9

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☐ QA/QC Sample:

PID (ppmv): 0.1 Odor: Y / (N) Water Color: CLEAR

Comments: GW WOULD NOT FLOW UP TUBING, AFTER SEVERAL ATTEMPTS USED DEDICATED BAILER TO PURGE WELL

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 17-01(1)
Well Depth [ft-btoc]: ~ 33.67
Depth to Water [ft-btoc]: ~ 11.83 - PROBE COVERED IN INJ. SOLN
Well Casing Diameter [in]: 2"
Start Time (purging): 1501

Sampling Date: March 27, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): ~ 3.6

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1503	6.29	12.4	1.37	-337.2	4.576	4.03	~18.24	<0.1	
1510	6.34	12.8	0.42	-352.7	4.080	4.14	~ NM	~0.4	
1515	6.30	13.0	0.41	-349.7	4.383	8.46	~16.52	~1.3	
1525	6.27	13.0	0.41	-347.6	4.585	7.80	~16.90	~1.5	
1530	6.23	13.0	0.39	-344.2	4.810	12.40	~17.20	~1.8	
1535	6.21	12.9	0.38	-341.3	4.925	20.1	~17.21	~2.0	
1545	6.17	12.9	0.36	-338.1	5.280	5.13	~17.28	~2.8	
1550	6.16	12.8	0.36	-336.6	5.310	3.03	~17.30	~3.0	
1600	6.14	13.0	0.34	-333.8	5.574	11.0	~17.15	~3.3	

Sample Time: 1605
Sample ID: 17-01(1)

Analytes Sampled: [X] VOCs [X] TOC, Methane, Ethane, Ethene, Sulfate [ ] QA/QC Sample:

PID (ppmv): 13.3 Odor: (Y) / N Water Color: CLEAR

Comments: SHEEN OBSERVED ON GW, INJ SOLN COATES WL PROBE

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 17-04(1)
Well Depth [ft-btoc]: ~28.79
Depth to Water [ft-btoc]: ~10.61
Well Casing Diameter [in]: 2"
Start Time (purging): 0950

Sampling Date: March 28, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): ~3.0 gal

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0952	7.47	11.8	2.49	-152.0	6.502	115	~12.05	<0.1	
1000	7.83	12.3	0.12	-276.0	1.829	137	~14.51	~0.4	
* 1012	7.32	12.1	1.51	-155.5	1.881	169	~15.73	~1.0	
1020	6.93	12.2	0.09	-259.7	1.602	87.9	~19.30	~1.5	
1030	6.87	11.9	0.07	-268.1	1.576	89.7	~20.66	~1.7	
1035	6.66	12.0	0.05	-269.7	1.636	99.0	~22.37	~1.9	
1045	6.33	12.1	0.05	-343.9	1.864	118	~23.40	~2.0	

FLOW ↓

Sample Time: 1055 Sample ID: 17-04(1)

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☐ QA/QC Sample:
2, 2

PID (ppmv): 0.7 KC Odor: (Y) / N Water Color: GRAYISH W/ FLECKS

Comments: INITIALLY BLACK IN COLOR, VERY FINE BLACK FLECKS SETTLING OUT
* FLOW STOPS DUE TO PLUGGING; CORRECT + GET FLOW REESTABLISHED.
HAVE TO SLOW DOWN FLOW DUE TO DRAWDOWN EXPOSING SCREENED SECTION

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 87-04(1)
Well Depth [ft-btoc]: ~ 32.33 SOFT
Depth to Water [ft-btoc]: ~ 12.67
Well Casing Diameter [in]: 2"
Start Time (purging): 1142

Sampling Date: March 28, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): ~ 3.2

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1145	6.61	14.6	0.97	-493.2	3.581	29.3	~13.60	< 0.1	
1155	6.51	11.0	0.24	-518.4	3.510	13.7	~14.98	~0.3	
1205	6.51	11.1	0.26	-504.8	3.513	12.4	~15.33	~0.5	
1210	6.51	11.2	0.26	-473.2	3.516	10.7	~15.78	0.8	

flow ↓

Sample Time: 1215 Sample ID: 87-04(1)

Analytes Sampled: [X] VOCs [X] TOC, Methane, Ethane, Ethene, Sulfate [ ] QA/QC Sample:

PID (ppmv): 143.3 Odor: (Y) / N Water Color: CLEAR W/ TRACE VF BLK FLECKS

Comments: V. FINE BLACK FLECKS NOTED.

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 87-10(1)
Well Depth [ft-btoc]: ~ 35.67
Depth to Water [ft-btoc]: ~15.56
Well Casing Diameter [in]: 2"
Start Time (purging): 1600

Sampling Date: March 24, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): ~ 3.0 GAL

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [ ]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1608	9.70	9.02	55.56	-154.8	1.403	2.75	~15.51	<0.1	
1615	9.54	9.41	41.48	-181.0	2.635	1.52	~15.54	~1.8	
1630	9.33	9.36	40.17	-178.6	2.645	1.46	~15.53	~2.5	
1640	9.43	8.60	36.19	-167.6	2.665	1.77	~15.48	~2.9	
1650	9.24	9.11	35.98	-196.4	2.663	0.37	~15.53	~3.2	
1700	9.02	9.54	30.65	-242.6	2.855	0.49	~15.53	~3.4	
1710	8.90	10.22	28.45	-274.2	2.445	2.62	~15.53	~4.0	

Sample Time: 1715 Sample ID: 87-10(1)

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☐ QA/QC Sample:

PID (ppmv): 0.0 Odor: Y / N Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 87-13(1)
Well Depth [ft-btoc]: ~30.23 soft
Depth to Water [ft-btoc]: ~13.09
Well Casing Diameter [in]: 2"
Start Time (purging): 0840

Sampling Date: March 28, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): 2.8 gal.

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0841	8.78	11.3	1.73	-127.2	1.960	17.9	~13.98	<0.1	
0845	9.01	11.7	0.38	-198.5	1.883	16.4	~14.48	~0.4	
0850	9.02	11.4	0.13	-256.1	1.768	7.90	~14.46	~1.0	
0900	9.09	11.5	0.11	-263.5	1.724	8.70	~14.67	~1.2	
0905	9.16	11.5	0.04	-263.9	1.715	9.80	~15.02	~1.5	

FLOW ↓

Sample Time: 0910 Sample ID: 87-13(1)

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☐ QA/QC Sample:

PID (ppmv): 6.5 Odor: Y / N Water Color: CLEAR W/ V.F BLK FLOCKS

Comments: VERY FINE BLACK FLOCKS NOTED IN GW.

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 87-14(i)
Well Depth [ft-btoc]: ~22.81
Depth to Water [ft-btoc]: ~12.32
Well Casing Diameter [in]: 2"
Start Time (purging): 1425

Sampling Date: March 25, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): 1.7 gal

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GALS]	Approximate Purge Rate [ml/min]	
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min	
1427	7.48	11.6	0.36	-213.1	5.696	~~77.7~~	~13.00	<0.1		FLOW
1435	7.49	11.3	0.90	-239.9	5.685	92.8	~15.59	~0.4		↓
1445	7.55	11.8	0.02	-274.3	5.692	138	~17.46	~1.0		↓
1500	6.36	12.1	0.00	-324.1	5.726	363	~20.20	~1.8	DKICS OUT	

Sample Time: 1530 Sample ID: 87-14(i)

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☐ QA/QC Sample:

PID (ppmv): 23.6 Odor: (Y) N Water Color: BLACKISH

Comments: BLACK FLECKS NOTED IN GW. STEVE M INSPECTING SAMPLING TECHNIQUE

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 87-16(1)
Well Depth [ft-btoc]: ~31.02 (SOFT) OPEN HOLE
Depth to Water [ft-btoc]: ~12.11
Well Casing Diameter [in]: 2"
Start Time (purging): 0913

Sampling Date: March 26, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): ?

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0915	6.90	10.9	0.83	-118.5	3.074	349	~12.59	<0.1	
0920	6.93	10.8	0.28	-125.8	3.106	37.7	~12.91	~0.6	
0925	6.98	10.9	0.17	-130.5	3.173	15.2	~13.15	~0.9	
0930	7.01	10.9	0.13	-133.6	3.214	15.1	~13.25	~1.4	
0938	7.11	10.9	0.08	-140.6	3.383	15.4	~13.28	~1.7	
0945	7.19	10.8	0.05	-144.8	3.541	13.7	~13.29	~1.9	
0950	7.24	11.0	0.04	-147.1	3.585	9.64	~13.35	~2.1	

Sample Time: 0955
Sample ID: 87-16(1)

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☒ QA/QC Sample: MS/MSD

PID (ppmv): 3.6 Odor: (Y) / N Water Color: SLT. YELLOWISH TINT

Comments: HAD TO TAKE TIME TO PREP/LABEL/SAMPLE QC SETS (0955-1020)

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM
Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 89-10(1)

Well Depth [ft-btoc]: ~ 32.42

Depth to Water [ft-btoc]: ~ 14.37

Well Casing Diameter [in]: 2"

Start Time (purging): 1420

Sampling Date: March 24, 2024

Sampler(s): Kevin Cronin

Sampling Device: Geopump w/ dedicated tubing

Purge Volume (if applicable): 2.9 GAL

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1426	8.65	10.64	43.22	-259.1	3.169	1.17	16.15	0.5	
1430	8.73	10.36	38.67	-258.2	3.194	1.03	16.29	~0.7	
1440	8.79	9.98	39.25	-256.2	3.214	2.05	15.70	~1.2	
1450	6.19	9.92	36.97	-259.2	3.210	0.76	16.03	~1.8	
1500	6.00	9.42	39.58	-259.6	3.226	0.67	15.54	~2.3	
1510	6.03	9.71	41.12	-263.0	3.191	0.79	15.89	~2.8	

Sample Time: 1515

Sample ID: 89-10(1)

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☐ QA/QC Sample: _____

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments: VERY FINE BLACK FLECKS OBSERVED

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 89-15(1)
Well Depth [ft-btoc]: ~34.40
Depth to Water [ft-btoc]: ~13.89
Well Casing Diameter [in]: 2"
Start Time (purging): 1102

Sampling Date: March 26, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): 3.3 gal

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [ ]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1102	6.99	12.2	0.72	-310.6	1.861	10.4	~14.33	<0.1	
1105	6.92	12.2	0.17	-352.2	1.835	6.90	~15.72	~0.3	
1110	6.91	12.1	0.12	~354.4	1.842	9.17	~16.39	~0.8	
1115	6.91	12.3	0.11	-357.7	1.841	6.87	~16.34	~0.9	
1125	6.93	12.4	0.09	-363.7	1.827	4.43	~15.91	~1.4	
1130	6.94	12.4	0.08	-363.8	1.826	3.07	~15.70	~1.7	

FLOW ↓ ↓

Sample Time: 1135 Sample ID: 89-15(1)

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☐ QA/QC Sample:

PID (ppmv): 3.6 Odor: Y / (N) Water Color: CLEAR w/ VF FLECKS

Comments: V. FINE BLACK FLECKS NOTED

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft.

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: 19-01(1)
Well Depth [ft-btoc]: ~ 33.39
Depth to Water [ft-btoc]: ~ 12.42
Well Casing Diameter [in]: 2"
Start Time (purging): 1304

Sampling Date: March 25 + 26, 2024
Sampler(s): Kevin Cronin
Sampling Device: Geopump w/ dedicated tubing
Purge Volume (if applicable): 3.4 gal

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1305	7.19	12.4	3.30	-241.5	5.997	154	15.25	<0.1	
1325	8.14	12.4	0.17	-357.3	6.080	205	~19.84	~1.2	
1335	8.04	12.5	0.11	-366.8	6.090	219	~24.12	~1.8	
1345	7.38	12.5	0.16	-387.8	6.090	237	~27.43	~2.6	
1355	7.18	12.8	0.30	-412.2	6.034	297	~29.20	~3.0	
1405									Dry
3/26/24	NM	NM	NM	NM	NM	NM	~18.58	NA	

flow ↓

Sample Time: 0840 3/26/24 Sample ID: 19-01(1)

Analytes Sampled: ☒ VOCs ☒ TOC, Methane, Ethane, Ethene, Sulfate ☐ QA/QC Sample:

PID (ppmv): 5.2 PID 3/26/24 > 230 ppmv @ 0830 Odor: (Y) / N Water Color: GRAY

Comments: STEVE M. (NYSDEC) ONSITE @ 1305. WELL DRIES OUT @ ~ 1405. WAIT FOR RECHARGE TO SAMPLE LATER 1600 - WELL HAS ~ 2' OF GW IN IT - CAN'T PULL SAMPLE VOLUME WILL SAMPLE FIRST THING 3/26/24 AM.

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.092 gal / ft, 1.25-inch well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: B-8(o)
Well Depth [ft-btoc]: ~18.44
Depth to Water [ft-btoc]: ~11.12
Well Casing Diameter [in]: x 1.25
Start Time (purging): 1407

Sampling Date: 10/ 24 /2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable): 0.44 gal

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]	
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min	
1410	8.10	19.5	3.82	-128.1	1.716	616	~12.02	<0.1		↓ FLOW
1420	7.61	13.2	0.89	-114.2	1.560	3.25	~12.55	~0.9		↓ FLOW
1430	7.58	13.2	0.87	-112.8	1.669	1.58	~12.28	~1.3		
1435	7.57	13.1	0.85	-112.1	1.672	1.37	~12.30	~1.5		

Sample Time: 1440
Sample ID: B-8(o)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / (N)
Water Color: CLEAR

Comments: INITIALLY LT GRAY, SLT TURBID, CLEARS UP

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: B-10A(1)
Well Depth [ft-btoc]: ~ 27.24
Depth to Water [ft-btoc]: 13.78
Well Casing Diameter [in]: 2 1.25"
Start Time (purging): 1540

Sampling Date 10/24/2024
Sampler(s) Kevin Cronin
Evan Schlegel, J. Osborn
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable): 0.81 gal

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1540	7.46	12.8	0.32	-245.5	1407	11.6	14.34	.01	140
1545	7.31	13.0	-0.65	-272.6	1383	8.63	14.46	.1	140
1550	7.27	13.1	-0.85	-286.6	1491	4.57	14.59	.2	140
1555	7.21	13.0	-0.90	-291.6	1512	3.44	14.68	.3	140
1600	7.13	13.1	-0.94	-291.6	1501	4.69	14.96	.5	140
1605	7.02	13.0	-0.98	-289.4	1442	5.98	15.39	.8	140
1610	6.89	12.9	-0.99	-289.9	1417	6.21	15.58	1.0	140
1613	6.80	13.0	-0.99	-289.1	1425	6.04	15.52	1.2	140
1616	6.71	13.1	-1.00	-289.9	1443	8.13	15.23	1.4	140
1619	6.71	13.0	-1.01	-291.9	1489	4.95	15.40	1.6	140
1622	6.71	13.0	-1.01	-293.7	1507	4.28	15.38	1.8	140

Sample Time: 1625
Sample ID: B-10A(1)

Analytes Sampled: X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 3.7
Odor (Y) / N
Water Color: clear w/ black solids

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: B-14(1)
Well Depth [ft-btoc]: ~26.96
Depth to Water [ft-btoc]: ~15.44
Well Casing Diameter [in]: 1.25"
Start Time (purging): 1347

Sampling Date: 10/ 23 /2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable): 0.7

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1350	7.15	15.6	1.20	-272.5	6331	1.64	~15.45	< 0.1	
1400	7.21	15.9	0.77	-339.6	6329	0.44	~15.44	~0.3	
1410	7.15	15.6	0.72	-360.5	6284	0.76	~15.46	~0.8	
1420	7.08	15.4	0.70	-369.3	6325	0.58	~15.45	~1.2	
1425	7.04	15.3	0.69	-372.3	6314	0.23	~15.45	~1.5	
1435	7.00	15.2	0.68	-375.9	6310	0.31	~15.46	~2.0	
1440	6.99	15.3	0.68	-375.9	6301	0.25	~15.46	~2.2	

Sample Time: 1440 Sample ID: B-14(1)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample:

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments: VERY WINDY, KNOCKING OVER FLOW-THROUGH CELL

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: DW-9
Well Depth [ft-btoc]: ~28.60
Depth to Water [ft-btoc]: ~10.53
Well Casing Diameter [in]: 4
Start Time (purging): 1537

Sampling Date 10/ 24 /2024
Sampler(s): Kevin Cronin ✓
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1540	7.71	14.6	3.03	-214.0	1.392	3.02	~10.57	<0.1	
1550	7.55	14.5	2.67	-227.2	1.394	2.79	~10.55	~0.3	
1600	7.54	14.4	2.60	-225.6	1.387	4.81	~10.55	~0.7	
1605	7.54	14.3	2.58	-225.2	1.384	3.00	~10.55	~0.9	

Sample Time: 1610
Sample ID: DW-9

Analytes Sampled: X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / (N)
Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft 1.5-inch well = 0.082 gal / ft: 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: DW-10
Well Depth [ft-btoc]:
Depth to Water [ft-btoc]: 13.84
Well Casing Diameter [in]: 2
Start Time (purging): 1355

Sampling Date: 10/ 25 /2024
Sampler(s): Kevin Cronin
Evan Schlegel John Osborn
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
HS 1335	5.94	13.6	0.40	-247.1	2394	22.1	-	-	-
1355	6.49	14.5	0.26	-266.0	1809	12.0	13.83	.01	200
1400	6.61	14.5	-0.68	-275.0	1805	10.2	13.87	.2	200
1405	6.38	14.3	-0.89	-288.7	1803	10.0	13.91	.4	200
1410	6.38	14.4	-0.93	-296.3	1799	10.3	13.95	.6	200
1415	6.37	14.4	-0.94	-299.3	1802	9.98	13.97	.8	200
1420	6.38	14.4	-0.95	-302.8	1797	11.6	13.99	1.0	200
1425	6.36	14.4	-0.95	-305.1	1802	10.7	1403	1.2	200

Sample Time 1430 Sample ID DW-10

Analytes Sampled X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample

PID (ppmv) 5.1 Odor (Y) / N Water Color Clear w/ black solids

Comments: HYDROSLEEVE INSTALLED 10/7/2024
Hydrosleeve sampled @ 1335, replaced w/ new sleeve

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: DW-11
Well Depth [ft-btoc]:
Depth to Water [ft-btoc]: 12.03
Well Casing Diameter [in]: 2 6
Start Time (purging): 1620

Sampling Date: 10/ 22 /2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristatltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1620	8.17	17.1	1.07	-284.1	10328	27.9	12.11	>.1	300
1625	7.77	16.7	-0.39	-318.3	10434	11.3	12.13	.3	300
1630	7.53	16.7	-0.62	-329.9	10439	9.51	12.20	.6	300
1635	7.36	16.7	-0.73	-344.7	10419	8.46	12.25	.9	300
1640	7.30	16.8	-0.77	-349.4	10446	8.68	12.32	1.2	250
1645	7.27	16.8	-0.79	-357.3	10466	8.64	12.37	1.5	250
1650	7.25	16.8	-0.80	-361.3	10346	8.60	12.39	1.8	250
1655	7.24	16.7	-0.81	-363	10332	10.5	12.39	2.1	250

Sample Time: 1700
Sample ID: DW-11

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / N
Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: DW-12
Well Depth [ft-btoc]: ~32.35
Depth to Water [ft-btoc]: ~11.22
Well Casing Diameter [in]: 4
Start Time (purging): 1410

Sampling Date: 10/ 22 /2024
Sampler(s): Kevin Cronin ✓
Evan Schlegel
Sampling Device: Peristatltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1414	8.71	18.6	5.43	-38.3	1.414	7.78	~11.29	< 0.1	
1420	8.53	18.5	5.29	-19.6	1.424	16.6	~11.34	~0.9	
1425	8.50	18.6	5.29	-10.9	1.424	7.33	~11.35	~1.3	
1430	8.53	18.7	5.28	-10.9	1.424	8.25	~11.35	~1.5	
1435	8.50	18.6	5.28	-7.6	1.429	5.44	~11.42	~1.7	

Sample Time 1440 Sample ID DW-12

Analytes Sampled X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: EW-2
Well Depth [ft-btoc]: NM
Depth to Water [ft-btoc]: ~ 8.92
Well Casing Diameter [in]: x 4
Start Time (purging):

Sampling Date: 10/ 22 /2024
Sampler(s): Kevin Cronin JOHN OSBORN
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1050	6.70	15.8	3.38	265.8	2.546	18.6	~9.40		
1057	7.08	14.7	2.59	357.7	2.416	5.62	NM		

Sample Time: 1055 Sample ID: EW-2

Analytes Sampled X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample

PID (ppmv): 0.0 Odor: Y / N Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0 163 gal / ft; 1 5-inch well = 0 082 gal / ft: 1 25-ich well = 0 060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: EW-3
Well Depth [ft-btoc]: NM
Depth to Water [ft-btoc]: ~18.84
Well Casing Diameter [in]: 2
Start Time (purging): 1105

Sampling Date: 10/ 22 /2024
Sampler(s): Kevin Cronin JOHN OSBORN
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1108	7.05	14.6	2.34	-133.5	6382	0.46	NM		
1111	7.13	13.2	2.06	-163.8	6588	0.43	NM		

Sample Time: 1115 Sample ID EW-3

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample:

PID (ppmv): 0.0 Odor: (Y) / N Ki Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: EW-4
Well Depth [ft-btoc]: NM
Depth to Water [ft-btoc]: 33.94
Well Casing Diameter [in]: 4
Start Time (purging): 1127

Sampling Date 10/ 22 /2024
Sampler(s): Kevin Cronin JOHN OSBORN
Evan Schlegel
Sampling Device: Peristaltic Pump / (Downhole pump)
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
11:30	7.32	14.6	7.76	-102.0	3847	6.90			
11:34	7.28	14.1	7.96	-95.3	3707	62.1			

Sample Time 1135
Sample ID EW-4

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride X QA/QC Sample MS/MSD

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0 163 gal / ft; 1 5-inch well = 0 082 gal / ft; 1 25-ich well = 0 060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: EW-5
Well Depth [ft-btoc]: NM
Depth to Water [ft-btoc]: ~ 9.68
Well Casing Diameter [in]: 4
Start Time (purging): 1145

Sampling Date: 10/ 22 /2024
Sampler(s): Kevin Cronin JOHN OSBORN
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAC]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1148	6.93	14.4	2.54	32.6	4558	5.39			
1152	7.05	11.5	2.61	-133.8	4791	2.87			

Sample Time 1150 Sample ID EW-5

Analytes Sampled X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample

PID (ppmv): Odor: Y / N Water Color:

Comments:

*Volume Factor: 2-inch well = 0 163 gal / ft; 1 5-inch well = 0 082 gal / ft; 1 25-ich well = 0 060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: EW-6
Well Depth [ft-btoc]:
Depth to Water [ft-btoc]: 9.43
Well Casing Diameter [in]: 2
Start Time (purging): 1305

Sampling Date: 10/ 22 /2024
Sampler(s): Kevin Cronin
Evan Schlegel ✓
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1310	9.35	18.7	3.19	339.6	3105	128	—	—	—
1315	8.41	15.0	1.40	-151.8	2593	72.3			

Sample Time: 1320
Sample ID: EW-6

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv):
Odor: Y / N
Water Color:

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: EW-7
Well Depth [ft-btoc]: ~34.40
Depth to Water [ft-btoc]: ~19.03
Well Casing Diameter [in]: 2
Start Time (purging): 1535

Sampling Date 10/ 23 /2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1538	8.36	21.1	5.19	-86.8	3389	2.09	~19.03	<0.1	
1545	8.24	21.0	4.90	-72.4	3378	1.45	~19.02	~0.2	
1555	8.26	20.9	4.90	-66.3	3372	1.01	19.03	~0.4	
1600	8.25	21.0	4.95	-61.4	3366	0.97	~19.02	~0.6	

Sample Time 1605 Sample ID EW-7

Analytes Sampled X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample

PID (ppmv): 0.0 Odor Y / N Water Color CLEAR

Comments: OBSERVE WATER COMING IN CASING @ ~19 BELOW MP
THINK THIS IS UPHOLE SURFACE WATER (IE TEMP

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: EW-8
Well Depth [ft-btoc]: ~28.25
Depth to Water [ft-btoc]: ~10.69 BTOC - GMATE
Well Casing Diameter [in]: 4
Start Time (purging): 0913

Sampling Date 10/24/2024
Sampler(s): Kevin Cronin ~~Evan Schlegel~~
Sampling Device: ~~Peristaltic Pump~~ / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0915	6.97	14.5	3.85	-320.7	6.250	9.15	~10.72	<0.1	
0925	6.72	14.9	0.87	-388.3	6.469	3.12	~10.70	~0.3	
0935	6.72	14.9	0.79	-391.3	6.440	1.56	~10.72	~0.7	
0940	6.71	14.8	0.76	-393.7	6.437	2.42	~10.71	~1.1	

Sample Time: 0940 Sample ID: EW-8

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample:

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: EW-13
Well Depth [ft-btoc]:
Depth to Water [ft-btoc]: 15.80
Well Casing Diameter [in]: 2
Start Time (purging): 1529

Sampling Date: 10/ 23/2024
Sampler(s): Kevin Cronin
Evan Schlegel ✓
Sampling Device: Peristatltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1530	8.00	16.0	0.82	-328.8	6.186	2.59	15.80	0.05	150
1535	7.24	16.1	-0.62	-349.5	6.137	2.19	15.80	0.2	150
1540	7.18	16.1	-0.72	-353.8	6.128	1.01	15.80	0.4	150
1545	7.13	16.0	-0.77	-357.1	6.144	1.54	15.80	0.6	150
1550	7.10	16.1	-0.80	-358.2	6.091	3.34	15.80	0.8	150
1555	7.09	16.1	-0.81	-358.4	6.101	3.34	15.80	1.0	150
1600	7.08	16.2	-0.82	-359.3	6.092	2.95	15.80	1.2	150

Sample Time: 1605
Sample ID: EW-13

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv):
Odor: Y / N
Water Color: Clear

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW-17-01(i)
Sampling Date: 10/24/2024

Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin

Depth to Water [ft-btoc]: NA - Injection Packer
Evan Schlegel ✓

Well Casing Diameter [in]: 2
Sampling Device: Peristaltic Pump / Downhole pump

Start Time (purging): 0906
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0906	6.18	14.3	-0.37	-392.0	10141	10.8	–	0.02	225
0915	6.25	14.2	-0.52	-433.7	9261	8.27	–	0.2	225
0920	6.24	14.3	-0.44	-442.8	9510	6.16	–	0.4	225
0925	6.18	14.3	-0.39	-446.9	9906	7.37	–	0.6	225
0930	6.17	14.1	-0.39	-448.5	10399	8.81	–	0.8	225
0935	6.14	14.1	-0.39	-447.9	10404	14.6	–	1.0	225
0940	6.08	14.0	-0.40	-447.7	11213	6.72	–	1.2	225
0945	6.05	13.9	-0.41	-475.9	11348	6.45	–	1.4	225

Sample Time: 0945
Sample ID: 17-01(i)

Analytes Sampled: [X] VOCs [X] TOC, Methane, Ethane, Ethene, Sulfate, Chloride [ ] QA/QC Sample:

PID (ppmv):
Odor: (Y) / N
Water Color:

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 17-04(1)
Sampling Date: 10/ 24 /2024
Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc]: 11.07
Evan Schlegel JOHN OSBORN
Well Casing Diameter [in]: 2
Sampling Device: Peristaltic Pump / Downhole pump
Start Time (purging): 1128
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1130	7.76	14.2	-0.58	-352.4	18395	90.5	12.19	0.02	220
1135	7.78	14.4	-0.87	-360.7	18434	8.90	14.04	.2	220
1140	7.75	14.1	-0.88	-362.0	18374	8.87	14.87	.4	90
1145	7.68	14.5	-0.88	-364.8	17667	13.5	15.92	.6	90
1148	7.58	14.4	-0.89	-364.6	17466	13.4	16.10	.7	90
1151	7.33	14.4	-0.89	-364.1	17136	14.4	16.52	.8	90
1156	6.94	14.4	-0.89	-360.7	16843	19.9	17.23	1.0	90
1159	6.83	14.2	-0.90	-360.0	16672	16.5	17.61	1.2	90
1202	6.73	14.1	-0.91	-359.4	16645	13.9	18.05	1.4	90
1205	6.65	14.2	-0.90	-358.6	16516	11.7	18.47	1.6	90
1208	6.57	14.3	-0.90	-358.3	16478	12.2	18.73	1.8	90
1211	6.41	14.2	-0.90	-357.9	16454	10.9	19.12	1.9	90

Sample Time: 1220
Sample ID: 17-04(1)
OVER

Analytes Sampled: X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv):
Odor (Y) / N
Water Color:

Comments:

*Volume Factor 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW-19-01(i)
Well Depth [ft-btoc] ~33.31
Depth to Water [ft-btoc]: ~14.72
Well Casing Diameter [in]: 2
Start Time (purging): 0855

Sampling Date 10/25/2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable)

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0856	7.80	12.7	2.50	-305.4	*13.308	53.3	~15.81	<0.1	
0905	8.44	12.7	0.87	-439.2	13.475	49.4	~17.60	~0.3	
0915	8.42	12.9	0.79	-419.5	13.380	81.0	~20.28	~0.8	
0920	8.37	12.9	0.78	-413.5	13.397	84.3	~21.25	~1.0	
0925	8.34	13.0	0.77	-410.4	13.372	86.5	~21.75	~1.1	
0930	8.34	13.1	0.76	-412.4	13.421	88.0	~22.64	~1.3	
1415							~21.44		

FLOW ↓

Sample Time 1420 Sample ID 19-01(i)

Analytes Sampled X VOCs X TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample

PID (ppmv) 3.6 Odor: (Y) / N Water Color DK GRAYISH

Comments: VF BLACK FLECKS OBSERVED. ▽ DRAWS DOWN. PUMP UNTIL WL NEARS TOP OF SCREEN THEN SHUT OFF TO RECOVER AND SAMPLE. SHUT DOWN @ 0935 TO RECOVER (▽ @ ~23.2' BTOC)

*Volume Factor: 2-inch well = 0.163 gal./ ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

(1)

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 86-23 (B)
Well Depth [ft-btoc]: Historic: ~ 24.92
Depth to Water [ft-btoc]: 7
Well Casing Diameter [in]: 2"
Start Time (purging): 0930

Sampling Date: 10/ 22 /2024
Sampler(s): Kevin Cronin ✓ JOHN OSBORN ✓
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
~0932	6.99	15.8	36.6	-221.9	6.771	2.40	NM	<0.1	
0935	6.89	15.2	14.3	-232.3	6.828	2.14	NM	0.3	
0940	6.93	15.1	1.14	-239.8	6.798	1.58	NM	0.5	
0945	6.94	15.1	1.03	-247.8	6.857	0.85	NM	0.7	
0950	6.95	15.2	0.94	-255.3	6.796	1.67	NM	0.9	
0955	6.95	15.1	0.87	-263.3	6.716	0.77	NM	1.1	
1000	6.96	15.2	0.82	-272.7	6.799	0.99	NM	1.4	

Sample Time: 1005
Sample ID: 86-23 (B)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / (N)
Water Color: CLEAR

Comments: COULD NOT GET PAST ~ 9.95' BTOC W/ NARROW WL METER PROBE - NO WLS RECORDED.

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 87-01(L)
Well Depth [ft-btoc]: ~33.23
Depth to Water [ft-btoc]: ~17.92
Well Casing Diameter [in]: 2
Start Time (purging): 1627

Sampling Date: 10/22/2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1629	7.62	19.1	1.42	-356.8	7.294	5.36	~17.97	<0.1	
1640	6.91	18.1	0.72	-410.4	7.149	5.45	~17.95	~0.3	
1645	6.89	18.0	0.69	-411.4	7.073	9.33	~17.93	~0.8	
1655	6.89	18.1	0.65	-413.3	6.827	5.81	~17.94	~1.1	
1700	6.89	17.9	0.64	-413.2	6.736	1.62	~17.94	~1.5	

Sample Time: 1705
Sample ID: 87-01(L)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / (N)
Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 87-02(1)
Well Depth [ft-btoc]:
Depth to Water [ft-btoc]: 16.04
Well Casing Diameter [in]: 2
Start Time (purging): 1405

Sampling Date: 10/ 23 /2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristatltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1405	8.04	16.1	1.14	-98.2	4.490	2.35	17.52	0.05	500
1410	7.29	16.3	-0.23	-127.8	5.179	1.71	17.57	0.4	125
1415	7.12	16.3	-0.47	-230.3	5.494	1.09	17.55	0.6	125
1420	7.11	16.2	-0.60	-261.3	5.500	1.28	17.55	0.8	125
1425	7.10	16.2	-0.67	-278.2	5.488	1.90	17.55	1.0	125
1430	7.08	16.2	-0.71	-291.5	5.464	1.31	17.51	1.2	125
1435	7.08	16.2	-0.73	-296.8	5.446	1.23	17.50	1.4	125

Sample Time: 1440
Sample ID: 87-02(1)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / N
Water Color:

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft



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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 87-02(3)
Well Depth [ft-btoc]:
Depth to Water [ft-btoc]: 13.18
Well Casing Diameter [in]: 2
Start Time (purging): 1442

Sampling Date: 10/ 23 /2024
Sampler(s): Kevin Cronin
Evan Schlegel ✓
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal.]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1445	8.47	16.4	-0.33	-437.8	10.212	4.02	14.35	0.1	220
1450	8.54	16.5	-0.76	-468.3	10.233	3.52	16.08	0.3	220
1455	8.55	16.5	-0.81	-476.8	10.231	3.88	16.73	0.5	175
1500	8.56	16.5	-0.82	-479.9	10.227	4.11	16.90	0.6	140
1505	8.58	16.4	-0.84	-482.2	10.225	2.67	17.16	0.7	140
1510	8.69	16.4	-0.85	-485.1	10.222	2.36	17.30	0.8	140

Sample Time: 1515
Sample ID: 87-02(3)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: (Y) / N
Water Color:

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 87-04(1)
Sampling Date 10/ 24 /2024
Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc] NA Probe Stuck in Well
Evan Schlegel JOHN OSBORN
Well Casing Diameter [in]: 2
Sampling Device: Peristaltic Pump / Downhole pump
Start Time (purging): 1033
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1035	6.25	13.0	-0.67	-451.8	8664	19.5	—	0.01	125
1040	6.21	13.1	-0.57	-453.3	8668	21.0	—	0.2	125
1045	6.21	13.2	-0.26	-443.2	8683	19.5	—	0.4	125
1050	6.19	13.1	-0.50	-451.7	8678	19.8	—	0.6	125
1055	6.19	13.0	-0.51	-454.6	8626	12.3	—	0.8	125
1100	6.20	13.0	-0.52	-455.3	8560	12.6	—	1.0	125
1105	6.21	13.2	-0.52	-455.8	8555	9.30	—	1.2	125
1110	6.22	13.1	-0.52	-456.0	8546	8.43	—	1.4	125

Sample Time 1115
Sample ID 87-04(1)

Analytes Sampled X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample

PID (ppmv)
Odor Y / N
Water Color

Comments:

*Volume Factor 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 87-08(L)
Well Depth [ft-btoc]: ~~KC~~ ~~22.28~~ ~32.69
Depth to Water [ft-btoc]: ~13.89
Well Casing Diameter [in]: 2
Start Time (purging): 1305

Sampling Date: 10/ 24 /2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged GAL	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1305	7.66	13.2	3.06	-163.9	2.653	5.50	~13.72	<0.1	
1315	7.28	12.8	0.93	-215.0	2.581	7.43	~13.69	~0.5	
1320	7.21	12.7	0.88	-215.4	2.726	3.14	~13.68	~0.8	
1330	7.18	12.7	0.83	-225.9	2.776	2.61	~13.68	~1.0	
1335	7.17	12.8	0.81	-235.1	2.778	1.75	~13.68	~1.3	
1340	7.17	12.7	0.80	-241.6	2.793	1.11	~13.68	~1.6	

Sample Time: 1345
Sample ID: 87-08(L)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / N
Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 87-10(0)
Sampling Date: 10/ 22 /2024
Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc]: 13.05
Evan Schlegel JOHN OSBORN ✓
Well Casing Diameter [in]: 2
Sampling Device: Peristaltic Pump / Downhole pump
Start Time (purging): 1435
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1435	7.58	17.1	5.11	-109.1	2719	OR	13.05	.1	300
1440	7.45	17.0	5.26	-106.0	2104	836	13.15	.2	300
1445	7.45	16.9	5.56	-95.3	1933	156	13.15	.4	300
1450	7.45	16.8	5.59	-70.4	1904	21.6	13.15	.6	300
1455	7.42	17.0	5.56	-52.8	1902	6.87	13.15	.8	300
1500	7.41	17.0	5.56	-38.1	1902	3.01	13.16	1.0	300
1505	7.39	17.0	5.56	-21.8	1902	1.89	13.16	1.2	300
1510	7.38	17.0	5.55	-11.8	1900	6.43	13.16	1.4	300

Sample Time: 1515
Sample ID: 87-10(0)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv):
Odor: Y / N
Water Color:

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 87-10(i)
Sampling Date: 10/ 22 /2024
Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc]: 16.85
Evan Schlegel JOHN OSBORN
Well Casing Diameter [in]: 2
Sampling Device: Peristaltic Pump / Downhole pump
Start Time (purging): 1520
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1520	7.51	17.1	0.95	-267.0	6060	131	16.91	>.1	300
1525	7.56	16.7	-.58	-349.7	6069	17.1	16.90	.4	300
1530	7.56	16.6	-0.70	-366.6	6069	6.36	16.92	.7	300
1535	7.56	16.5	-0.78	-380.5	6058	2.01	16.91	1.0	300
1540	7.55	16.4	-0.80	-386.1	6058	1.77	16.91	1.3	300
1545	7.55	16.3	-0.85	-393.5	6051	1.02	16.92	1.6	300
1550	7.56	16.2	-0.84	-392	6139	1.07	16.91	1.9	300
1555	7.17	16.2	-0.85	-388.7	6397	0.71	16.92	2.2	300
1600	7.15	16.2	-0.82	-382.7	6387	0.52	16.92	2.5	300
1605	7.12	16.2	-0.86	-382.1	6374	0.61	16.91	2.8	300

Sample Time: 1616
Sample ID: 87-10(i)

Analytes Sampled: X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv):
Odor: Y / N
Water Color:

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 87-13(i)
Sampling Date: 10/25/2024
Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc] 14.47
Evan Schlegel John Osborn
Well Casing Diameter [in]: 2
Sampling Device: Peristatltic Pump / Downhole pump
Start Time (purging): 1045
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1045	7.73	14.1	2.50	-111.4	2084	20.4	15.16	.01	200
1050	8.24	14.2	-0.06	-146.7	2098	20.6	15.48	.2	200
1055	8.25	14.1	-0.60	-184.3	2104	23.3	15.69	.4	180
1100	7.93	14.1	-0.76	-217.4	2108	25.4	15.85	.6	180
1105	7.90	14.3	-0.81	-231.0	2106	25.2	15.93	.8	180
1110	7.88	14.2	-0.83	-224.5	2092	24.7	16.03	1.0	180
1115	7.93	14.8	-0.85	-242.3	2066	24.7	16.29	1.2	180

Sample Time 1126
Sample ID 87-13(i)

Analytes Sampled X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample

PID (ppmv) 0.1
Odor: (Y) N
Water Color Clear w/ black solids

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 87-13(3)
Well Depth [ft-btoc]:
Depth to Water [ft-btoc]: 13.27
Well Casing Diameter [in]: 2
Start Time (purging): 1235

Sampling Date: 10/ 25 /2024
Sampler(s): Kevin Cronin
Evan Schlegel John Osborn
Sampling Device: Peristatltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1235	6.85	14.9	1.15	-61.2	2776	6.34	13.85	.01	200
1240	6.82	14.6	-0.66	-97.2	2727	3.86	14.40	.2	200
1245	6.82	14.5	-0.79	-108.8	2727	4.27	14.62	.41	200
1250	6.82	14.4	-0.83	-115.9	2721	3.59	14.76	.6	200
1255	6.82	14.4	-0.85	-121.2	2720	3.03	14.82	.8	200
1300	6.82	14.3	-0.87	-124.9	2719	2.90	14.84	1.0	200
1305	6.81	14.2	-0.88	-128.9	2719	2.72	14.72	1.2	200

Sample Time: 1310
Sample ID: 87-13(3)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): .2
Odor: ~~Y~~ / (N)
Water Color: Clear

Comments: Tubing momentarily disconnected from YSI

*Volume Factor: 2-inch well = 0 163 gal / ft; 1 5-inch well = 0 082 gal / ft; 1 25-ich well = 0 060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 87-14(o)
Sampling Date: 10/ 23 /2024
Well Depth [ft-btoc]: ~16.60
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc]: ~11.51
Evan Schlegel
Well Casing Diameter [in]: 2
Sampling Device: ~~Peristaltic Pump~~ / Downhole pump
Start Time (purging): 1105
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1106	7.42	13.8	2.03	-183.6	2.399	58.7	~11.79	<0.1	
1115	7.25	13.8	1.11	-134.5	2.161	8.07	~12.38	~0.3	
1125	7.17	13.8	0.94	-134.7	2.198	1.28	~12.69	~0.8	
1130	7.15	13.8	1.02	-133.0	2.199	1.89	~12.90	~1.2	
1135	7.12	13.7	0.91	-126.3	2.224	1.96	~13.37	~1.5	
1140	7.14	13.7	1.00	-124.8	2.240	2.38	~13.55	~1.7	

FLOW ↓

Sample Time: 1140
Sample ID: 87-14(o)

Analytes Sampled: X VOCs TOC, Methane, Ethane, Ethene, Sulfate, Chloride
QA/QC Sample:

PID (ppmv): 2.7
Odor: Y / (N)
Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 87-14(i)
Well Depth [ft-btoc]: ~ 22.87 ? (HISTORIC TDS ~ 32.30')
Depth to Water [ft-btoc]: ~13.42
Well Casing Diameter [in]: 2
Start Time (purging): 9:54

Sampling Date 10/ 25 /2024
Sampler(s) Kevin Cronin ✓
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable)

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0955	7.61	13.0	2.77	-308.3	11.769	573	NM	<0.1	
1000 1005	7.88	13.0	0.81	-378.6	11.417	160	~17.60	~0.8	
1015	7.86	12.9	0.74	-380.4	11.720	185	~18.82	~1.1	
1025	7.72	12.8	0.72	-368.9	11.735	854	~19.92	~1.4	DRYING OUT
1040							~19.83		

flow ↓

Sample Time 1040
Sample ID 87-14(i)

Analytes Sampled X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample

PID (ppmv): 24.6
Odor: (Y) / N
Water Color GRAY

Comments: CAN'T GET WL PROBE PAST ~22.87' BTOC, INITIALLY LT GRAY IN COLOR TO START, BECOMES DARKER GRAY, DRYING OUT – LET SIT

*Volume Factor 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.082 gal / ft 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 87-16(1)
Well Depth [ft-btoc]:
Depth to Water [ft-btoc]: 13.98
Well Casing Diameter [in]: 2
Start Time (purging): 1140

Sampling Date: 10/25/2024
Sampler(s): Kevin Cronin
Evan Schlegel John Osborn
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1140	6.87	14.9	7.95	-79.8	3612	27.6	14.10	.01	200
1145	6.31	14.0	-0.40	-114.3	3534	22.5	14.24	.2	200
1150	6.32	13.9	-0.74	-117.6	3535	22.5	14.46	.4	200
1155	6.32	13.8	-0.84	-119.8	3562	11.5	14.51	.6	180
1200	6.32	13.8	-0.89	-120.5	3584	9.79	14.62	.8	180
1205	6.32	13.9	-0.91	-120.5	3611	11.50	14.73	1	180
1210	6.33	13.9	-0.92	-120.1	3629	9.92	14.78	1.2	180
1215	6.34	14.6	-0.92	-121.7	3646	9.53	14.83	1.4	180

Sample Time: 1220
Sample ID: 87-16(1)

Analytes Sampled: X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.3
Odor (Y) / N
Water Color: Clear

Comments:

*Volume Factor 2-inch well = 0 163 gal / ft; 1 5-inch well = 0 082 gal / ft: 1 25-ich well = 0 060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 87-17(1)
Well Depth [ft-btoc]: 32.07
Depth to Water [ft-btoc]: ~12.63
Well Casing Diameter [in]: 2
Start Time (purging): 1303

Sampling Date: 10/25/2024
Sampler(s): Kevin Cronin ✓
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
HS 1300	7.10	15.0	1.87	-235.2	6.170	2.64	NM	—	
1305	7.12	15.7	1.82	-242.0	6.586	8.25	~12.65	<0.1	
1315	7.07	15.3	0.88	-276.4	6.545	4.46	~12.65	~0.5	
1325	7.05	14.8	0.78	-291.1	6.493	1.36	~12.65	~1.4	
1335	7.01	14.7	0.74	-296.6	6.466	1.29	~12.66	~2.0	
1340	6.98	14.7	0.72	-300.1	6.449	1.17	~12.65	~2.6	
1345	6.96	14.7	0.71	-302.6	6.445	0.85	~12.66	~3.3	

Sample Time: 1345
Sample ID: 87-17(1)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride X QA/QC Sample: MS/MSD

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments: HYDROSLEEVE INSTALLED 10/7/2024 "87-17(1) HS"
SAMPLE HYDROSLEEVE @ 1250, REINSTALL AFTER SAMPLING

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 87-19(1)
Sampling Date: 10/ 24 /2024

Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin

Depth to Water [ft-btoc]: 14.64
Evan Schlegel JOHN OSBORN ✓

Well Casing Diameter [in]: 2
Sampling Device: Peristatltic Pump / Downhole pump

Start Time (purging): 1335
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
HS 1325	6.72	13.4	0.73	109.2	3007	14.4	–	–	–
1335	9.29	14.1	0.82	-120.2	1321	5.35		.01	180
1340	9.31	13.8	-0.50	-146.4	1317	6.62	14.66	0.2	180
1345	8.32	13.7	-0.78	-153.3	1626	5.27	14.66	0.4	180
1350	7.55	13.7	-0.91	-133.0	1769	2.83	14.67	0.6	180
1355	6.83	13.6	-0.94	-97.5	2643	19.2	14.67	0.8	180
1400	6.65	13.5	-0.96	-73.7	2938	9.44	14.66	1.0	180
1405	6.61	13.6	-0.97	-73.0	3019	6.17	14.66	1.2	180
1410	6.60	13.6	-0.97	-74.5	3039	3.36	14.66	1.4	180
1415	6.59	13.5	-0.98	-75.9	3044	2.11	14.66	1.6	180

Sample Time: 1420
Sample ID:

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride QA/QC Sample:

PID (ppmv): Odor: Y / N Water Color: Clear

Comments: HYDROSLEEVE INSTALLED 10/7/2024 - "87-19(1)HS" @ 1325

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW-87-20(0)
Well Depth [ft-btoc]: 10.3
Depth to Water [ft-btoc]: 7.77
Well Casing Diameter [in]: 2
Start Time (purging): 1008

Sampling Date: 10/ 23 /2024
Sampler(s): Kevin Cronin
Evan Schlegel JOHN OSBORN ✓
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal.]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1000	7.21	15.1	3.37	162.0	2.194	7.93	7.38	0.05	300
1015	6.95	15.4	1.48	154.0	2.044	5.63	7.68	0.3	300
1020	6.91	15.0	0.71	151.2	2.058	2.34	7.76	0.6	300
1025	6.85	15.0	0.16	147.2	2.065	2.60	7.98	0.9	300
1030	6.83	15.1	-0.09	132.1	2.099	2.24	8.21	1.2	300
1035	6.81	15.4	-0.22	123.6	2.136	3.15	8.34	1.4	140
1040	6.81	15.4	-0.27	96.1	2.206	—	Dry	1.5	140
1050	6.73	15.4	-0.18	-144.8	2.793	8.63	8.71	1.8	300
1053	6.80	15.3	-0.49	-127.1	2.472	6.59	8.89	2.1	300

Sample Time: 1055
Sample ID: 87-20(0)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / N
Water Color:

Comments: * Water Level dropped below tubing intake - Well going dry) Stop pump, lower tubing, resume pumping - Sample before well goes dry

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 87-20(1)
Sampling Date: 10/23 /2024
Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc]: 11.86
Evan Schlegel JOHN OSBORN ✓
Well Casing Diameter [in]: 2
Sampling Device: Peristatltic Pump / Downhole pump
Start Time (purging): 0920
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
HS 0905	6.90	15.5	3.94	-4.6	3.154	158	11.86		
0920	7.48	15.41	2.13	189.6	1.899	31.3	11.88	>.1	275
0925	7.43	15.3	-0.02	198.6	1.919	32.8	11.88	.3	275
0930	7.38	15.2	-0.17	189.5	2.076	35.7	11.88	.6	275
0935	7.24	15.1	0.11	176.8	2.477	29.9	11.89	.9	275
0940	7.16	15.1	0.41	151.6	2.877	4.83	11.89	1.2	275
0945	7.16	15.0	0.43	146.1	2.906	2.70	11.90	1.5	275
0950	7.16	15.0	0.43	143.4	2.914	2.26	11.90	1.8	275
0955	7.16	15.1	0.42	134.0	2.937	1.41	11.91	2.1	275
0958	7.16	15.0	0.43	138.8	2.935	1.12	11.91	2.4	275

Sample Time 1000
Sample ID 87-20(1)

Analytes Sampled X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample

PID (ppmv):
Odor: Y / N
Water Color Orangish Tint

Comments: HYDROSLEEVE INSTALLED 10/7/2024 "87-20(1) HS" @ 0910

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 87-21(i)
Well Depth [ft-btoc]: ~ 27.50 SOFT
Depth to Water [ft-btoc]: ~ 10.30
Well Casing Diameter [in]: 2
Start Time (purging): 1203

Sampling Date: 10/ 23 /2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1204	8.33	16.4	2.25	-189.2	2505	5.35	~10.31	~0.1	
1210	7.58	16.3	1.10	-183.0	2559	1.02	~10.32	~0.5	
1220	7.47	16.4	1.04	-177.3	2553	0.76	~10.32	~1.1	
1225	7.44	16.5	1.03	-174.7	2547	0.69	~10.32	~1.3	
1230	7.41	16.5	1.04	-170.1	2547	1.33	~10.32	~1.6	
1235	7.39	16.6	1.04	-167.0	2548	0.48	~10.32	~1.9	

Sample Time: 1240
Sample ID: 87-21(i)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / (N)
Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
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MONITORING WELL ID: MW 87-22(1)
Well Depth [ft-btoc]: ~32.40
Depth to Water [ft-btoc]: ~17.09
Well Casing Diameter [in]: 2
Start Time (purging): 1050

Sampling Date: 10/24/2024
Sampler(s): Kevin Cronin ✓
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
87-22(1) 1145	7.14	12.5	1.97	-202.4	4.750	18.8	NM	NM	SAMPLE @ 1035
1054	7.43	12.9	1.96	-149.1	3.718	7.07	~17.37	<0.1	
1105	6.99	12.7	0.92	-226.0	4.331	4.75	~17.40	~0.7	
1115	6.89	12.6	0.82	-317.4	4.627	2.75	~17.40	~1.5	
1120	6.91	12.6	0.80	-324.4	4.948	5.30	~17.41	~1.8	
1125	6.95	12.7	0.78	-322.9	5.494	8.13	~17.40	~2.2	
1130	6.94	12.6	0.77	-322.3	5.583	7.75	~17.40	~2.5	
1135	6.86	12.6	0.76	-336.0	5.761	8.34	~17.40	~2.7	
1140	6.84	12.6	0.76	-343.7	5.799	9.07	~17.41	~2.9	
1145	6.83	12.6	0.75	-351.4	5.814	7.12	~17.41	3.1	

Sample Time: 1145
Sample ID: 87-22(1)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / (N)
Water Color: CLEAR

Comments: HYDROSLEEVE INSTALLED 10/7/2024 "87-22(1)HS"
SAMPLED 87-22(1)HS @ 1035. DUP-02 COLLECTED @ 1145

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 89-04(1)
Well Depth [ft-btoc]: ~18.36
Depth to Water [ft-btoc]: ~6.12
Well Casing Diameter [in]: 2
Start Time (purging): 1023

Sampling Date: 10/ 23 /2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1027	6.78	14.8	1.16	-222.5	2289	13.6	~6.90	<0.1	
1030	6.77	14.9	1.07	-230.2	2292	13.1	~6.93	~0.1	
1035	6.78	14.7	0.92	-248.6	2300	9.02	~7.00	~0.2	
1045	6.82	14.5	0.83	-283.1	2705	6.85	~6.98	~0.4	
1050	6.95	14.5	0.74	-379.4	6125	7.91	~7.01	~0.7	
1100	6.76	14.6	0.71	-429.0	6610	10.1	~7.05	~1.0	
1105	6.76	14.5	0.70	-431.3	6692	6.76	~7.03	~1.1	
1115	6.77	14.6	0.69	-432.1	6769	5.35	~7.02	~1.3	GET FORMS @ ROAD FOR E3

Sample Time: 1115
Sample ID: 89-04(1)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / (N)
Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 89-10(1)
Well Depth [ft-btoc]: ~32.45
Depth to Water [ft-btoc]: ~15.45
Well Casing Diameter [in]: 2
Start Time (purging): 1505

Sampling Date: 10/22/2024
Sampler(s): Kevin Cronin ✓
Evan Schlegel
Sampling Device: Peristatltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1508	7.04	16.4	2.07	-364.3	5.269	7.81	~16.57	<0.1	FLOW ↓
1515	7.06	17.7	0.81	-412.9	4.810	2.84	~16.65	~0.2	
1520	7.07	17.9	0.74	-420.4	4.813	2.76	~16.68	~0.4	
1530	7.05	18.0	0.70	-419.6	4.887	1.09	~16.70	~0.7	
1535	7.05	18.0	0.66	-421.3	4.937	1.36	~16.52	~0.9	
1540	7.05	16.2	0.67	-425.1	49.59	1.61	~17.12	~1.2	

Sample Time: 1545
Sample ID: 89-10(1)

Analytes Sampled: X VOCs X TOC, Methane, Ethane, Ethene, Sulfate, Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / N
Water Color: CLEAR

Comments: OCCASIONAL BLACK FLECKS OBSERVED

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW 89-12(1)
Well Depth [ft-btoc]: ~32.18
Depth to Water [ft-btoc]: ~16.13
Well Casing Diameter [in]: 2
Start Time (purging): 1300

Sampling Date: 10/22/2024
Sampler(s): Kevin Cronin
Evan Schlegel
Sampling Device: Peristaltic Pump / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1302	6.99	16.6	2.06	-266.0	6.794	5.57	~16.15	<0.1	
1305	6.93	16.4	1.05	-280.4	6.674	7.40	~16.16	~0.3	
1310	6.95	16.2	0.86	-294.3	6.667	5.20	~16.16	~0.7	
1315	6.96	16.7	1.46	-288.5	6.635	4.75	~16.16	~1.0	
1320	6.98	16.7	1.82	-285.5	6.662	1.96	~16.15	~1.3	
1325	6.98	16.6	1.88	-286.5	6.668	1.74	~16.16	~1.5	

Sample Time: 1330
Sample ID: 89-12(1)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride X QA/QC Sample: DUP-01

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments: DCE BLACK FLECKS OBSERVED. DUP-01 COLLECTED HERE
STEVE M (NYSDEC) ONSITE @ 1300 - 1335.

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

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MONITORING WELL ID: MW89-14(0)
Sampling Date: 10/24/2024
Well Depth [ft-btoc]: 12.10
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc]: 10.88
Evan Schlegel JOHN OSBURN
Well Casing Diameter [in]: 2
Sampling Device: Peristaltic Pump / Downhole pump
Start Time (purging): 1121
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1121	6.85	16.0	2.49	111.3	7.4000	2.37	11.10	0.02	120
1125	6.81	15.8	0.14	59.1	7.491	12.5	11.31	0.1	120
1130	6.77	16.1	-0.01	-32.1	7.474	43.1	11.46	0.2	90
1135	6.75	16.1	-0.27	-47.9	7.459	11.0	11.58	0.3	75
1140	6.76	16.1	-0.29	-47.4	7.440	7.20	11.81	0.4	75
		- Stop pumping. Let Recharge							
1235		SAMPLE					11.62		

Sample Time: 1235
Sample ID: 89-14(0)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv):
Odor Y / N
Water Color:

Comments: Well Going dry - Did not Recover enough to get More Readings - Sample

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

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GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 89-14(1)
Sampling Date: 10/24/2024
Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc]: 13.37
Evan Schlegel JOHN O SBORN
Well Casing Diameter [in]: 2
Sampling Device: Peristaltic Pump / Downhole pump
Start Time (purging): 1148
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1150	7.26	15.4	2.31	-120.1	4.683	5.99	13.82	0.1	260
1155	7.08	14.7	1.58	-138.5	4.671	2.17	13.83	0.3	260
1200	7.03	14.7	1.34	-140.5	4.705	0.77	13.85	0.6	260
1205	6.93	14.6	1.20	-145.5	5.649	0.91	13.86	0.9	260
1210	6.89	14.7	1.06	-192.8	6.458	1.24	13.86	1.2	260
1215	6.89	14.7	1.10	-244.2	6.897	0.70	13.87	1.5	260
1220	6.87	14.7	1.00	-271.7	7.489	1.08	13.87	1.8	260
1225	6.86	14.7	1.05	-291.3	7.605	1.16	13.87	2.1	260

Sample Time: 1220
Sample ID: 89-14(1)

Analytes Sampled: X VOCs TOC, Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.0
Odor: Y / N
Water Color: clear

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft, 1.5-inch well = 0.082 gal / ft, 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 89-15(1)
Well Depth [ft-btoc]: ~34.43
Depth to Water [ft-btoc]: ~15.61
Well Casing Diameter [in]: 2
Start Time (purging): 1156

Sampling Date: 10/ 29 /2024
Sampler(s): Kevin Cronin ✓
Evan Schlegel
Sampling Device: ~~Peristaltic Pump~~ / Downhole pump
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [GAL]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1158	7.28	16.2	2.07	-396.0	3.336	13.1	~16.32	<0.1	
1210	7.18	16.3	0.77	-440.1	3.261	7.15	~17.45	~0.5	
1220	7.23	16.1	0.75	-444.2	3.588	7.51	~17.63	~0.8	
1230	7.23	16.3	0.75	-444.5	3.630	9.86	~17.53	~1.3	
1235	7.24	16.2	0.75	-444.6	3.627	5.51	~17.54	~1.5	
1240	7.24	16.3	0.75	-442.3	3.638	3.56	~17.34	~1.9	

Flow ✓

Sample Time: 1245
Sample ID: 89-15(1)

Analytes Sampled: X VOCs X TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv): 0.4
Odor: Y / (N)
Water Color: CLEAR

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631037017

APTIM

MONITORING WELL ID: MW 93-03(1)
Sampling Date: 10/22/2024
Well Depth [ft-btoc]:
Sampler(s): Kevin Cronin
Depth to Water [ft-btoc]: 10.92
Evan Schlegel JOHN OSBORN
Well Casing Diameter [in]: 2
Sampling Device: Peristatltic Pump / Downhole pump
Start Time (purging): 1335
Purge Volume (if applicable):

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [Gal]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1335	8.13	13.6	3.24	-144.5	6626	10.3	10.98	<.10	
1340	7.19	13.0	-0.09	-228.8	6771	7.94	10.99	.16	
1345	7.06	12.6	-0.64	-273.6	6772	6.00	10.99	.40	
1350	7.06	12.6	-0.79	-300.8	6771	6.48	10.99	.70	
1355	7.00	12.4	-0.87	-315.1	6753	5.65	10.98	1.0	
1400	6.99	12.4	-0.91	-326.6	6751	2.90	10.99	1.3	
1405	7.00	12.4	-0.94	-336.8	6741	4.32	10.98	1.6	
1410	7.01	12.3	-0.95	-342.3	6741	3.29	10.98	1.9	

Sample Time: 1415
Sample ID: 93-03(1)

Analytes Sampled: X VOCs TOC Methane Ethane Ethene Sulfate Chloride
QA/QC Sample:

PID (ppmv):
Odor Y / N
Water Color:

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

Evan - 724-493-0776

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM
Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631040136

APTIM

MONITORING WELL ID: B-8(0)
Well Depth [ft-btoc]: ~ 18.43
Depth to Water [ft-btoc]: ~ 8.18
Well Casing Diameter [in]: 1.25 / 2
Start Time (purging): 0900

Sampling Date: 12 / 17 / 2024
Sampler(s): Kevin Cronin
Sampling Device: Peristaltic Pump/Dedicated Tubing
Purge Volume (if applicable): ~ 0.6 GAL

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [ ]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
0901	7.81	9.74	16.07	-22.9	0.905	63.4	~9.17	<0.1	↓ FLOW
0915	7.68	9.57	14.5	-23.1	0.928	30.1	~8.54	~0.1	
0925	7.68	10.08	1.39	-21.8	0.911	4.26	~9.13	~0.7	
0935	7.66	10.14	1.30	-21.5	0.910	2.44	~9.22	~1.0	
0944	7.66	10.27	1.23	-22.6	0.908	1.49	~9.34	~1.2	

Sample Time: 0945 Sample ID: B-8(0)

Analytes Sampled: ☒ VOCs ☐ TOC, Methane, Ethane, Ethene, Sulfate, Chloride ☐ QA/QC Sample: _____

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments: _____

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631040136

APTIM

MONITORING WELL ID: 87-04(0)
Well Depth [ft-btoc]: ~15.44
Depth to Water [ft-btoc]: ~9.19
Well Casing Diameter [in]: 1.25 / (2)
Start Time (purging): 1225

Sampling Date: 12 / 16 / 2024
Sampler(s): Kevin Cronin
Sampling Device: Peristaltic Pump/Dedicated Tubing
Purge Volume (if applicable): ~ 1.0 GAL

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [ ]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1228	7.80	12.04	8.89	15.0	0.989	>1k	~NM	<0.1	
1230	7.76	12.42	8.85	16.0	0.876	>1k	9.70	~0.1	
1240	7.72	12.40	8.06	17.9	0.994	46.1	10.42	~0.5	FLOW ↓
1250	7.68	12.28	7.91	18.1	1.064	18.2	10.88	~1.2	
1300	7.68	12.32	7.37	17.9	1.082	12.5	11.29	~1.5	
1310	7.66	12.39	6.85	17.4	1.089	15.5	11.90	~2.0	

Sample Time: 1315 Sample ID: 87-04(0)

Analytes Sampled: [X] VOCs [ ] TOC, Methane, Ethane, Ethene, Sulfate, Chloride [ ] QA/QC Sample: _____

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments: CREAM COLORED ↓ TO START FROM INJECTION SOLN (?1ST)
CLEARING UP W/ DEPTH

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631040136

APTIM

MONITORING WELL ID: 87-13(0)
Well Depth [ft-btoc]: ~16.56
Depth to Water [ft-btoc]: ~7.66
Well Casing Diameter [in]: 1.25 / (2)
Start Time (purging): 1220

Sampling Date: 12 / 17 / 2024
Sampler(s): Kevin Cronin
Sampling Device: Peristaltic Pump/Dedicated Tubing
Purge Volume (if applicable): ~1.5 GAL

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [ ]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1223	8.78	11.34	17.93	-237.0	0.944	30.5	~8.21	<0.1	↓ FLOW
1230	8.75	11.98	6.84	-213.4	0.918	28.2	~8.49	~0.3	
1245	8.59	11.94	1.14	-162.4	0.890	20.0	~9.42	~0.4	↓ FLOW
1255	8.69	11.93	1.21	-225.8	0.891	21.8	~9.90	~1.0	
1305	8.68	11.94	1.07	-228.3	0.902	20.7	~10.37	~1.4	
1315	8.62	11.91	0.50	-202.7	0.913	13.7	~10.94	~1.9	

Sample Time: 1320 Sample ID: 87-13(0)

Analytes Sampled: ☒ VOCs ☐ TOC, Methane, Ethane, Ethene, Sulfate, Chloride ☐ QA/QC Sample:

PID (ppmv): 0.0 Odor: Y (N) Water Color: CLEAR

Comments: VF BLACK FLECKS OBSERVED, DID NOT OBSERVE AFTER INITIAL READINGS.

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631040136

APTIM

MONITORING WELL ID: 87-15(0)
Well Depth [ft-btoc]: 17.60
Depth to Water [ft-btoc]: 11.22
Well Casing Diameter [in]: 1.25 / (2)
Start Time (purging): 1043

Sampling Date: 12 / 17 / 2024
Sampler(s): Kevin Cronin
Sampling Device: Peristatltic Pump/Dedicated Tubing
Purge Volume (if applicable): ~1.0 GAL

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [ ]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1045	7.51	11.06	6.46	2.2	2.170	2.95	~11.67	<0.1	↓ FLOW
1055	7.53	11.33	1.77	-4.1	2.191	3.39	~11.87	~0.1	
1105	7.56	11.37	3.42	-11.3	2.215	2.42	~12.10	0.5	↓ FLOW
1125	7.54	11.31	4.79	-9.7	2.211	0.93	~13.04	1.6	LL
1135	7.55	11.05	4.33	-10.6	2.212	1.02	~13.26	1.8	
1140	7.50	11.23	3.07	-7.0	2.193	0.55	~13.40	1.9	

Sample Time: 1140 Sample ID: 87-15(0)

Analytes Sampled: [X] VOCs [ ] TOC, Methane, Ethane, Ethene, Sulfate, Chloride [ ] QA/QC Sample: _____

PID (ppmv): 0.0 Odor: Y / (N) Water Color: CLEAR

Comments: _____

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

APTIM

GROUNDWATER SAMPLING DATA COLLECTION FORM

Textron Groundwater Sampling
Wheatfield, New York
APTIM Project No. 631040136

APTIM

MONITORING WELL ID: MW 87-17(0)
Well Depth [ft-btoc]: ~16.64
Depth to Water [ft-btoc]: ~11.68
Well Casing Diameter [in]: 1.25 / (2)
Start Time (purging): 1350

Sampling Date: 12 / 16 / 2024
Sampler(s): Kevin Cronin
Sampling Device: Peristatltic Pump/Dedicated Tubing
Purge Volume (if applicable): ~ 0.8 GAL

FIELD PARAMETERS

Time [hh:mm]	pH [SU]	Temperature [°C]	Dissolved Oxygen [mg/L]	Redox Potential [mV]	Specific Conductance [mS/cm]	Turbidity [Ntu]	Depth To Water [ft-btoc]	Volume Purged [ ]	Approximate Purge Rate [ml/min]
Stabilization Criteria	+/- 1%	+/-3%	+/-10%	+/-10mV	+/-3%	+/-10%			50 to 200 ml/min
1353	8.49	12.39	20.50	0.4	0.853	17.6	~11.98	<0.1	↓ Flow
1400	8.58	11.87	6.94	-15.1	1.499	9.07	~12.39	~0.2	
1410	8.57	11.84	3.18	-15.5	1.490	4.40	~12.57	~0.5	
1420	8.37	11.82	4.15	-8.8	1.471	1.57	~13.17	~0.8	
1430	8.33	11.90	2.85	-9.0	1472	1.72	~13.42	~1.0	

Sample Time: 1435 Sample ID: 87-17(0)

Analytes Sampled: ☒ VOCs ☐ TOC, Methane, Ethane, Ethene, Sulfate, Chloride ☐ QA/QC Sample:

PID (ppmv): 0.0 Odor: Y / (N) Water Color: Clear

Comments:

*Volume Factor: 2-inch well = 0.163 gal / ft; 1.5-inch well = 0.082 gal / ft; 1.25-ich well = 0.060 gal / ft

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins
Environment Testing

Client Information

Client Contact: Mr. Paul Bauer
Company: Aptim Environmental & Infrastructure Inc
Address: 500 Penn Center Blvd, Suite 1000
City: Pittsburgh
State, Zip: PA, 15235
Phone: 412-858-1594(Tel)
Email: paul.bauer@aptim.com
Project Name: Bell Aerospace Textron
Site:

Sampler: KEVIN CRONIN
Phone: 716-472-0434
PWSID:
Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 221984 OS
WO #: 631030389
Project #: 48019873
SSOW#:

Lab PM: Fischer, Brian J
E-Mail: Brian.Fischer@et.eurofinsus.com
Carrier Tracking No(s):
State of Origin:

COC No: 480-201155-41423.1
Page: Page 1 of 1
Job #:

Analysis Requested

Preservation Codes: A - HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
87-04(0)	12/16/24	1315	G	Water			X		
87-13(0)	12/17/24	1320	G	Water			X		
87-15(0)	12/17/24	1140	G	Water			X		
87-17(0)	12/16/24	1435	G	Water			X		
B-8(0)	12/17/24	0945	G	Water			X		
IRP BLANK			G	WATER			X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:
Date:
Time:
Method of Shipment:

Relinquished by: Kevin Cronin
Date/Time: 12/17/2024 1525
Company: APTIM
Received by:
Date/Time:
Company

INITIAL BTOC

WELL	SWL	TD	
24-E07	~9.96'	33.08'	SOFT
24-E08	~9.37'	32.74'	"
24-E09	~10.28'	32.95'	"

~ 125 GALS OF GW REMOVED (3 DRUMS)
26 DRUMS TOTAL STAGED. PW LOADS UP AND OFFSITE @ 1050. RC TO PLANT TO PREP SOIL SAMPLE FOR EUROFINS. CALL B FISCHER RE MISSING L ADDITIONAL VOA SET FOR B-8(o) SAMPLE, GO TO STORE FOR ICE + PACKING TAPE. GO TO WHEATFIELD WATER/SEWER W/ FLOW METER (NOT EVER USED) P/U 3 VOAS + DROP OFF SOIL SAMPLE @ EUROFINS @ 1555, GO TO BFLO 46 Mi

MONDAY DECEMBER 16, 2024 3 HR DR. APPT
AM: CLOUDY, 45°F
PM: " 47°F

1030 LEAVE FOR PINE ENV FOR EQUIPMENT. DRIVE TO PLANT. GO TO MOOG + SIGN IN. GO TO MW 87-04 CLUSTER START 87-04(o) @ 1225, SAMPLE FOR 8260C @ 1315. TAKE GW TO STAGED DRUM MOVE TO MW 87-17(o) START @ 1350 SAMPLE @ 1435, DRUM V, PACK UP + GO TO PLANT, ICE SAMPLES, GO TO USPS 46 Miles

TO MAIL NOTES/LOGS TO PB OFFSITE @ 1520
STOP @ PINE FOR GROUNDWATER BATTERY CHARGER (NOT IN CASE) DROP NOTES/LOGS @ USPS @ 1645, @ BFLO 1700 47 Mi

TUESDAY DECEMBER 17, 2024
AM: CLOUDY, WINDY 40° (WC 30°F)
PM:

0730 LOAD CAR DRIVE TO TEXTRON GO TO MOOG FOR 3 WELLS. DRIVE TO B-8(o) START @ 0900 SAMPLE @ 0945, GO TO 87-15(o) AFTER PURGING H2O. CUT DOWN WOODY STEMS AROUND WELLS. START @ 1045 SAMPLE @ 1140. TAKE H2O TO DRUM. GO TO 87-13(o) START @ 1220, SAMPLE @ 1320. DISPOSE OF GW @ DRUM. SIGN OUT, GO TO PLANT TO DECON + PACK EQUIPMENT + SAMPLES, DRIVE TO EUROFINS + PINE. OFFSITE @ 1430. @ BFLO @ 1600 AFTER PINE/EURO 38 Mi

Appendix C

Well Inspection Forms

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: B-8(O)

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 1400

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			} N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: B-10A(1)

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 1535

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			3 n/a		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: B-14(1)

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 1340

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: DW-9

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 1535

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen			PID 0.0		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: DW-10

Date of Inspection: October 25, 2024 (month/day/year)

Time of Inspection: 1350

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			3 N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen			PID: 5.1		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: DW-11

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1615

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			3 w/a		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen			PID 0.0		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: DW-12

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1405

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen			PID: 0.0		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-2

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: ✓ ✓

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			} N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓	} N/A		
	Lock in Place					
	Lock Functional					
	Other					
Air Quality (vaults only)	Oxygen			PID: 0.0		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-3
Date of Inspection: October 22, 2024 (month/day/year)
Time of Inspection: 1100
Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓	N/A		
	Lock in Place					
	Lock Functional					
	Other					
Air Quality (vaults only)	Oxygen			PID 0.0		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-4

Date of Inspection: October 22 2024 (month/day/year)

Time of Inspection: 1125

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓	N/A		
	Lock in Place					
	Lock Functional					
	Other					
Air Quality (vaults only)	Oxygen			PID 0.0		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-5

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1140

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			} N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place			} N/A		
	Lock in Place					
	Lock Functional					
	Other					
Air Quality (vaults only)	Oxygen			PID:		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-6

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1300

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			} N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place			} N/A		
	Lock in Place					
	Lock Functional					
	Other					
Air Quality (vaults only)	Oxygen			PID:		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-7
Date of Inspection: October 23, 2024 (month/day/year)
Time of Inspection: 1530
Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen			PID: 0.0		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-8

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 0910

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			} N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen			PID = 0.0		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-13

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 1525

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			} n/a		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen			PID:		
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 17-01(1)

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 0905

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 17-04(1)

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 1125

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			} w/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc
Wheatfield, New York

Well Designation: 19-04(i)

Date of Inspection: October 25, 2024 (month/day/year)

Time of Inspection: 0850

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			N/A		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate	✓		SLOW RECHARGE		
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EG-23(B)

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: ~~/~~ 0925

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-01(i)

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1625

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-02(1)

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 1400

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-02(3)

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 1440

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EZ-04(i)
Date of Inspection: October 24, 2024 (month/day/year)
Time of Inspection: 1030
Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-08(1)

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 1300

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-10(o)

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1430

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-10(i)

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1515

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-13(i)

Date of Inspection: October 25, 2024 (month/day/year)

Time of Inspection: 1040

Inspector's Name: Cronin / Schlegel OSBORN

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-13(3)

Date of Inspection: October 25, 2024 (month/day/year)

Time of Inspection: 1230

Inspector's Name: Cronin / Schlegel OSBORN ✓

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-14(o)

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 1100

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional	✓				
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: E7-14(i)

Date of Inspection: October 25, 2024 (month/day/year)

Time of Inspection: ✓ 0950

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate	✓	✓	SLOW RECHARGE		
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional	✓				
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-16(1)

Date of Inspection: October 25, 2024 (month/day/year)

Time of Inspection: 1135

Inspector's Name: Cronin / Schlegel OSBORN ✓

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional	✓				
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-17(1)

Date of Inspection: October , 2024 (month/day/year)

Time of Inspection: 1300

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional	✓				
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-19(1)

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 1330

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-20(o)

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 1000

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-20(1)

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 0915

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-21(1)

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 1200

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc
Wheatfield, New York

Well Designation: 87-22(1)

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 1045

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 89-04(1)

Date of Inspection: October 23, 2024 (month/day/year)

Time of Inspection: 1020

Inspector's Name: Crohin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 89-10(1)

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1500

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 89-12(1)

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1255

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 89-14(O)

Date of Inspection: October 24, 2024 (month/day/year)

Time of Inspection: 1120

Inspector's Name: Cronin / Schlegel OSBORN

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate	✓		DRYING OUT		
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional	✓				
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 89-14(1)

Date of Inspection: October 24 , 2024 (month/day/year)

Time of Inspection: 1145

Inspector's Name: Cronin / Schlegel OSBORN ✓

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional	✓				
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 89-15(i)

Date of Inspection: October 29, 2024 (month/day/year)

Time of Inspection: 1155

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 93-03(L)

Date of Inspection: October 22, 2024 (month/day/year)

Time of Inspection: 1330

Inspector's Name: Cronin / Schlegel

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)					
	Well Number Readable on Outer Casing		N/A			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					
Air Quality (vaults only)	Oxygen					
	Hydrogen Sulfide					
	Carbon Dioxide					
	LEL					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Appendix D

2024 Homeowner Well Communications Report

APTIM
500 Penn Center Blvd., Suite 1000
Pittsburgh, PA 15235
Tel: 412.372.7701
Fax: 412.373.7135
www.aptim.com

December 19, 2024

Mr. Greg Simpson
Textron Inc.
40 Westminster Street
Providence, RI 02903

Re: ***2024 Homeowner Letters***
Former Wheatfield Facility

Dear Mr. Simpson:

Attached is a summary of the annual communications with the specified homeowners located in Niagara Falls regarding the abandonment of any remaining wells, as requested by the New York State Department of Environmental Conservation and the New York State Department of Health (Attachment 1). These letters were sent out Certified Mail with return receipts via United States Postal Service (USPS). Each letter included a response form with a self-addressed stamped envelope for return mailing.

Two letters regarding the abandonment of wells located on the homeowners' properties were sent out on October 24, 2024. The letters for 2320 and 2297 Cayuga Drive Ext. were returned to sender as unclaimed and unable to forward. No letter was sent to 2302 Cayuga Drive Ext.; on October 10, 2022, APTIM received the Home Well Survey Response Form documenting that the property owner does not want to have their well closed. Figure 1 (Attachment 2) illustrates the property locations of known and non-abandoned/active private non-potable water supply wells.

Please do not hesitate to contact me if you have any questions or concerns regarding these letters.

Sincerely,

Paul J. Bauer, P.G.
Project Manager
412-858-1594
Paul.Bauer@aptim.com

Attachments

cc: Mr. Steven Moeller, NYSDEC
Mr. Stephen Lawrence, NYSDOH
Ms. Charlotte Bethoney, NYSDOH
APTIM – File

Attachment 1

Summary of Homeowner Communications

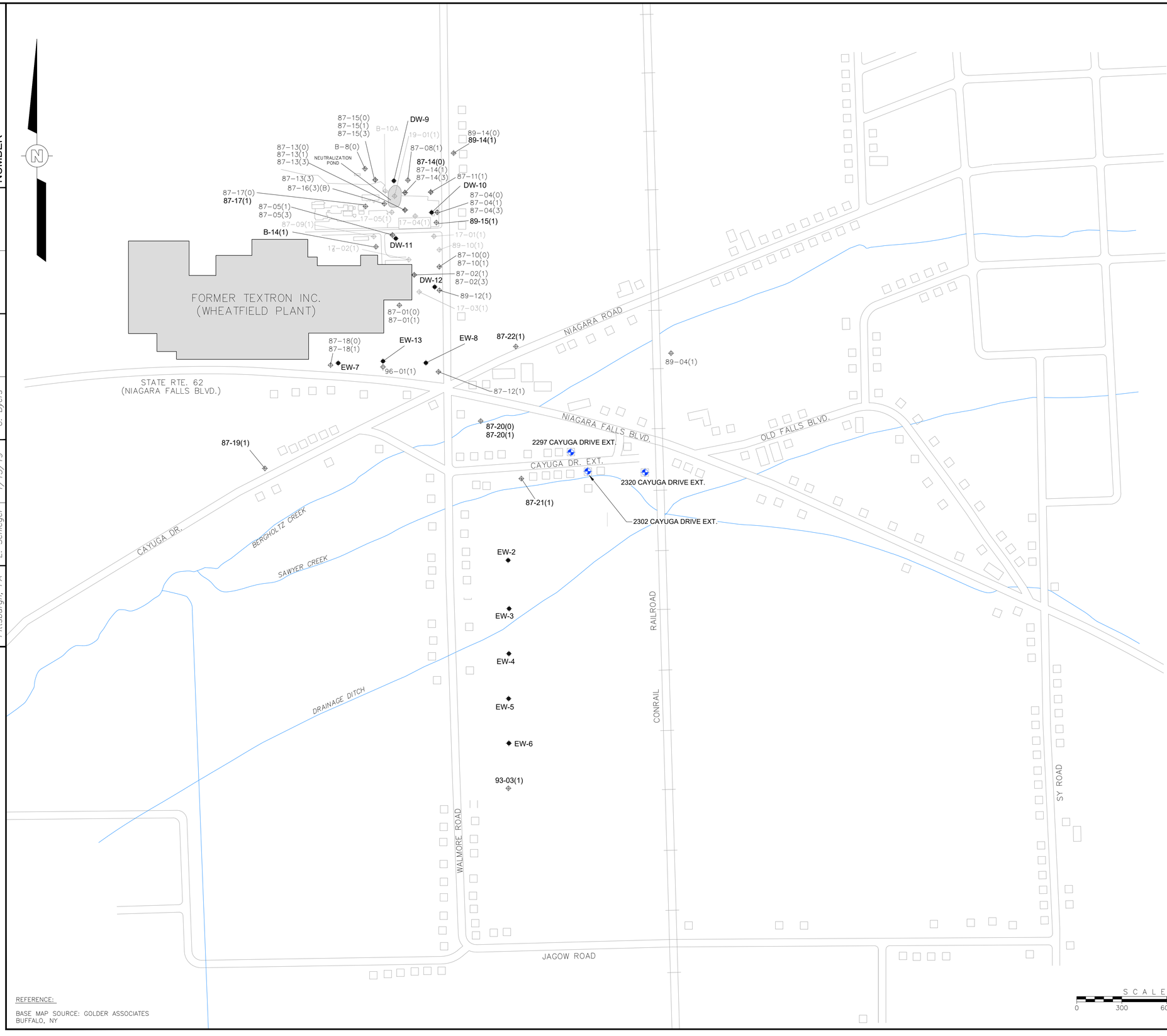
2024 Summary of Homeowner Communications
Well Abandonment Letters
Wheatfield, New York

Address	Letter Sent	Delivery Confirmation	Return Letter Received	Responses			
				Close Well	Do Not Close Well	No Well on Property	2024 Response
2320 Cayuga Drive Ext. Niagara Falls, NY 14304	10/24/2024	11/19/2024 Certified Letter was returned to sender	No form returned				No response received
2297 Cayuga Drive Ext. Niagara Falls, NY 14304	10/24/2024	10/30/2024 Certified Letter was returned to sender	No form returned				No response received

Attachment 2

Property Locations of Known Non-Abandoned Private Non-Potable Water Wells

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE
631013326-D1		C. Byers	E. Schlegel 1/15/19	Pittsburgh, PA



LEGEND:

- ◆ FORMER EXTRACTION WELL OR DNAPL WELL
- ⌖ MONITORING WELL OR PIEZOMETER
- 87-10(1) MONITORING WELL OR PIEZOMETER PART OF THE GROUNDWATER SAMPLING PROGRAM
- 17-01(1) ⌖ BIO-REMEDIATION PROGRAM WELLS
- PROPERTY LOCATION OF KNOWN NON-ABANDONED PRIVATE NON-POTABLE WATER WELLS
- APPROXIMATE BUILDING / STRUCTURE

NOTES:

1. GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.
2. REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.
3. WELL LOCATIONS AND BUILDINGS / STRUCTURES SHOWN ARE APPROXIMATE.

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

SCALE
0 300 600 900 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 1
PROPERTY LOCATIONS OF KNOWN NON-ABANDONED PRIVATE NON-POTABLE WATER WELLS

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: D:\Shaw Offices - CAD Files\Latham, NY\TEXTRON\631013326-D1.dwg
Date/Time: Oct 27, 2023 - 1:03pm
Plotted By: EvanStrigh

Appendix E

Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 4/9/2024 2:01:18 PM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-218245-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization



Generated
4/9/2024 2:01:18 PM

Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

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

GC VOA

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

Glossary

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

Job ID: 480-218245-1 Eurofins Buffalo

Job Narrative
480-218245-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/28/2024 2:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: 87-04(1) (480-218245-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-705808 was outside the method criteria for the following analyte(s): Methylene Chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are impacted: 17-01(1) (480-218245-1), 87-13(1) (480-218245-2), 17-04(1) (480-218245-3) and 87-04(1) (480-218245-4).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 17-01(1) (480-218245-1), 87-13(1) (480-218245-2), 17-04(1) (480-218245-3) and 87-04(1) (480-218245-4). Elevated reporting limits (RLs) are provided.

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

GC VOA
Method RSK_175: The following samples were diluted to bring the concentration of target analytes within the calibration range: 87-13(1) (480-218245-2), 17-04(1) (480-218245-3) and 87-04(1) (480-218245-4). Elevated reporting limits (RLs) are provided.

Method RSK_175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: 17-04(1) (480-218245-3) and 87-04(1) (480-218245-4).

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

General Chemistry
Method 9056A_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: 17-01(1) (480-218245-1) and 87-04(1) (480-218245-4). Elevated reporting limits (RLs) are provided.

Method 9056A_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: 87-13(1) (480-218245-2) and 17-04(1) (480-218245-3). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-01(1) — Lab Sample ID: 480-218245-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	860	J	2000	380	ug/L	2000		8260C	Total/NA
Methylene Chloride	66000		2000	880	ug/L	2000		8260C	Total/NA
cis-1,2-Dichloroethene	45000		2000	1600	ug/L	2000		8260C	Total/NA
Trichloroethene	92000		2000	920	ug/L	2000		8260C	Total/NA
Methane	120		4.0	1.0	ug/L	1		RSK-175	Total/NA
Ethene	3.2	J	7.0	1.5	ug/L	1		RSK-175	Total/NA
Sulfate	1740		40.0	7.0	mg/L	20		9056A	Total/NA
Total Organic Carbon	321		40.0	17.4	mg/L	40		SM 5310C	Total/NA

Client Sample ID: 87-13(1) — Lab Sample ID: 480-218245-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	58	J	100	32	ug/L	100		8260C	Total/NA
Methylene Chloride	3300		100	44	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	190		100	81	ug/L	100		8260C	Total/NA
Trichloroethene	170		100	46	ug/L	100		8260C	Total/NA
Methane	8900		180	44	ug/L	44		RSK-175	Total/NA
Ethane	1500		330	66	ug/L	44		RSK-175	Total/NA
Ethene	1800		310	66	ug/L	44		RSK-175	Total/NA
Sulfate	56.5		10.0	1.7	mg/L	5		9056A	Total/NA
Total Organic Carbon	102		2.0	0.87	mg/L	2		SM 5310C	Total/NA

Client Sample ID: 17-04(1) — Lab Sample ID: 480-218245-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	79000		2000	880	ug/L	2000		8260C	Total/NA
Ethene	22		7.0	1.5	ug/L	1		RSK-175	Total/NA
Methane - DL	1800		180	44	ug/L	44		RSK-175	Total/NA
Sulfate	151		20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	317		40.0	17.4	mg/L	40		SM 5310C	Total/NA

Client Sample ID: 87-04(1) — Lab Sample ID: 480-218245-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	300		200	70	ug/L	200		8260C	Total/NA
Bromomethane	210		200	140	ug/L	200		8260C	Total/NA
Trichloroethene	100	J	200	92	ug/L	200		8260C	Total/NA
Methylene Chloride - DL	57000		1000	440	ug/L	1000		8260C	Total/NA
Ethene	20		7.0	1.5	ug/L	1		RSK-175	Total/NA
Methane - DL	1700		180	44	ug/L	44		RSK-175	Total/NA
Sulfate	464		20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	652		10.0	4.3	mg/L	10		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-01(1)
Lab Sample ID: 480-218245-1
Date Collected: 03/27/24 16:05
Matrix: Water
Date Received: 03/28/24 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2000	700	ug/L			04/02/24 17:31	2000
Vinyl chloride	ND		2000	1800	ug/L			04/02/24 17:31	2000
Chloroethane	ND		2000	640	ug/L			04/02/24 17:31	2000
Bromomethane	ND		2000	1400	ug/L			04/02/24 17:31	2000
1,1-Dichloroethene	ND		2000	580	ug/L			04/02/24 17:31	2000
Acetone	ND		20000	6000	ug/L			04/02/24 17:31	2000
Carbon disulfide	**860**	**J**	2000	380	ug/L			04/02/24 17:31	2000
Methylene Chloride	**66000**		2000	880	ug/L			04/02/24 17:31	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			04/02/24 17:31	2000
1,1-Dichloroethane	ND		2000	760	ug/L			04/02/24 17:31	2000
cis-1,2-Dichloroethene	**45000**		2000	1600	ug/L			04/02/24 17:31	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			04/02/24 17:31	2000
Chloroform	ND		2000	680	ug/L			04/02/24 17:31	2000
1,1,1-Trichloroethane	ND		2000	1600	ug/L			04/02/24 17:31	2000
Carbon tetrachloride	ND		2000	540	ug/L			04/02/24 17:31	2000
Benzene	ND		2000	820	ug/L			04/02/24 17:31	2000
1,2-Dichloroethane	ND		2000	420	ug/L			04/02/24 17:31	2000
Trichloroethene	**92000**		2000	920	ug/L			04/02/24 17:31	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			04/02/24 17:31	2000
Bromodichloromethane	ND		2000	780	ug/L			04/02/24 17:31	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			04/02/24 17:31	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			04/02/24 17:31	2000
Toluene	ND		2000	1000	ug/L			04/02/24 17:31	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			04/02/24 17:31	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			04/02/24 17:31	2000
Tetrachloroethene	ND		2000	720	ug/L			04/02/24 17:31	2000
2-Hexanone	ND		10000	2500	ug/L			04/02/24 17:31	2000
Dibromochloromethane	ND		2000	640	ug/L			04/02/24 17:31	2000
Chlorobenzene	ND		2000	1500	ug/L			04/02/24 17:31	2000
Ethylbenzene	ND		2000	1500	ug/L			04/02/24 17:31	2000
m,p-Xylene	ND		4000	1300	ug/L			04/02/24 17:31	2000
o-Xylene	ND		2000	1500	ug/L			04/02/24 17:31	2000
Styrene	ND		2000	1500	ug/L			04/02/24 17:31	2000
Bromoform	ND		2000	520	ug/L			04/02/24 17:31	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			04/02/24 17:31	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*04/02/24 17:31*	*2000*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/02/24 17:31*	*2000*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/02/24 17:31*	*2000*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/02/24 17:31*	*2000*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**120**		4.0	1.0	ug/L			03/29/24 14:00	1
Ethane	ND		7.5	1.5	ug/L			03/29/24 14:00	1
Ethene	**3.2**	**J**	7.0	1.5	ug/L			03/29/24 14:00	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-01(1)
Date Collected: 03/27/24 16:05
Date Received: 03/28/24 14:15

Lab Sample ID: 480-218245-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	1740		40.0	7.0	mg/L			03/29/24 22:51	20
Total Organic Carbon (SM 5310C)	321		40.0	17.4	mg/L			03/30/24 09:52	40

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-13(1)
Lab Sample ID: 480-218245-2
Date Collected: 03/28/24 09:10
Matrix: Water
Date Received: 03/28/24 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		100	35	ug/L			04/02/24 17:54	100
Vinyl chloride	ND		100	90	ug/L			04/02/24 17:54	100
Chloroethane	**58**	**J**	100	32	ug/L			04/02/24 17:54	100
Bromomethane	ND		100	69	ug/L			04/02/24 17:54	100
1,1-Dichloroethene	ND		100	29	ug/L			04/02/24 17:54	100
Acetone	ND		1000	300	ug/L			04/02/24 17:54	100
Carbon disulfide	ND		100	19	ug/L			04/02/24 17:54	100
Methylene Chloride	**3300**		100	44	ug/L			04/02/24 17:54	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			04/02/24 17:54	100
1,1-Dichloroethane	ND		100	38	ug/L			04/02/24 17:54	100
cis-1,2-Dichloroethene	**190**		100	81	ug/L			04/02/24 17:54	100
2-Butanone (MEK)	ND		1000	130	ug/L			04/02/24 17:54	100
Chloroform	ND		100	34	ug/L			04/02/24 17:54	100
1,1,1-Trichloroethane	ND		100	82	ug/L			04/02/24 17:54	100
Carbon tetrachloride	ND		100	27	ug/L			04/02/24 17:54	100
Benzene	ND		100	41	ug/L			04/02/24 17:54	100
1,2-Dichloroethane	ND		100	21	ug/L			04/02/24 17:54	100
Trichloroethene	**170**		100	46	ug/L			04/02/24 17:54	100
1,2-Dichloropropane	ND		100	72	ug/L			04/02/24 17:54	100
Bromodichloromethane	ND		100	39	ug/L			04/02/24 17:54	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			04/02/24 17:54	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			04/02/24 17:54	100
Toluene	ND		100	51	ug/L			04/02/24 17:54	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			04/02/24 17:54	100
1,1,2-Trichloroethane	ND		100	23	ug/L			04/02/24 17:54	100
Tetrachloroethene	ND		100	36	ug/L			04/02/24 17:54	100
2-Hexanone	ND		500	120	ug/L			04/02/24 17:54	100
Dibromochloromethane	ND		100	32	ug/L			04/02/24 17:54	100
Chlorobenzene	ND		100	75	ug/L			04/02/24 17:54	100
Ethylbenzene	ND		100	74	ug/L			04/02/24 17:54	100
m,p-Xylene	ND		200	66	ug/L			04/02/24 17:54	100
o-Xylene	ND		100	76	ug/L			04/02/24 17:54	100
Styrene	ND		100	73	ug/L			04/02/24 17:54	100
Bromoform	ND		100	26	ug/L			04/02/24 17:54	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			04/02/24 17:54	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*04/02/24 17:54*	*100*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/02/24 17:54*	*100*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*04/02/24 17:54*	*100*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/02/24 17:54*	*100*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**8900**		180	44	ug/L			03/29/24 12:45	44
Ethane	**1500**		330	66	ug/L			03/29/24 12:45	44
Ethene	**1800**		310	66	ug/L			03/29/24 12:45	44

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-13(1)
Date Collected: 03/28/24 09:10
Date Received: 03/28/24 14:15

Lab Sample ID: 480-218245-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	56.5		10.0	1.7	mg/L			03/29/24 23:06	5
Total Organic Carbon (SM 5310C)	102		2.0	0.87	mg/L			04/02/24 19:22	2

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-04(1)
Lab Sample ID: 480-218245-3
Date Collected: 03/28/24 10:55
Matrix: Water
Date Received: 03/28/24 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2000	700	ug/L			04/02/24 18:17	2000
Vinyl chloride	ND		2000	1800	ug/L			04/02/24 18:17	2000
Chloroethane	ND		2000	640	ug/L			04/02/24 18:17	2000
Bromomethane	ND		2000	1400	ug/L			04/02/24 18:17	2000
1,1-Dichloroethene	ND		2000	580	ug/L			04/02/24 18:17	2000
Acetone	ND		20000	6000	ug/L			04/02/24 18:17	2000
Carbon disulfide	ND		2000	380	ug/L			04/02/24 18:17	2000
Methylene Chloride	**79000**		2000	880	ug/L			04/02/24 18:17	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			04/02/24 18:17	2000
1,1-Dichloroethane	ND		2000	760	ug/L			04/02/24 18:17	2000
cis-1,2-Dichloroethene	ND		2000	1600	ug/L			04/02/24 18:17	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			04/02/24 18:17	2000
Chloroform	ND		2000	680	ug/L			04/02/24 18:17	2000
1,1,1-Trichloroethane	ND		2000	1600	ug/L			04/02/24 18:17	2000
Carbon tetrachloride	ND		2000	540	ug/L			04/02/24 18:17	2000
Benzene	ND		2000	820	ug/L			04/02/24 18:17	2000
1,2-Dichloroethane	ND		2000	420	ug/L			04/02/24 18:17	2000
Trichloroethene	ND		2000	920	ug/L			04/02/24 18:17	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			04/02/24 18:17	2000
Bromodichloromethane	ND		2000	780	ug/L			04/02/24 18:17	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			04/02/24 18:17	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			04/02/24 18:17	2000
Toluene	ND		2000	1000	ug/L			04/02/24 18:17	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			04/02/24 18:17	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			04/02/24 18:17	2000
Tetrachloroethene	ND		2000	720	ug/L			04/02/24 18:17	2000
2-Hexanone	ND		10000	2500	ug/L			04/02/24 18:17	2000
Dibromochloromethane	ND		2000	640	ug/L			04/02/24 18:17	2000
Chlorobenzene	ND		2000	1500	ug/L			04/02/24 18:17	2000
Ethylbenzene	ND		2000	1500	ug/L			04/02/24 18:17	2000
m,p-Xylene	ND		4000	1300	ug/L			04/02/24 18:17	2000
o-Xylene	ND		2000	1500	ug/L			04/02/24 18:17	2000
Styrene	ND		2000	1500	ug/L			04/02/24 18:17	2000
Bromoform	ND		2000	520	ug/L			04/02/24 18:17	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			04/02/24 18:17	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*04/02/24 18:17*	*2000*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/02/24 18:17*	*2000*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*04/02/24 18:17*	*2000*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/02/24 18:17*	*2000*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			03/29/24 14:19	1
Ethene	**22**		7.0	1.5	ug/L			03/29/24 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1800**		180	44	ug/L			03/29/24 13:03	44

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-04(1)
Lab Sample ID: 480-218245-3
Date Collected: 03/28/24 10:55
Matrix: Water
Date Received: 03/28/24 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	151		20.0	3.5	mg/L			03/29/24 23:21	10
Total Organic Carbon (SM 5310C)	317		40.0	17.4	mg/L			03/30/24 15:00	40

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-04(1)
Date Collected: 03/28/24 12:15
Date Received: 03/28/24 14:15

Lab Sample ID: 480-218245-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	**300**		200	70	ug/L			03/29/24 20:40	200
Vinyl chloride	ND		200	180	ug/L			03/29/24 20:40	200
Chloroethane	ND		200	64	ug/L			03/29/24 20:40	200
Bromomethane	**210**		200	140	ug/L			03/29/24 20:40	200
1,1-Dichloroethene	ND		200	58	ug/L			03/29/24 20:40	200
Acetone	ND		2000	600	ug/L			03/29/24 20:40	200
Carbon disulfide	ND		200	38	ug/L			03/29/24 20:40	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			03/29/24 20:40	200
1,1-Dichloroethane	ND		200	76	ug/L			03/29/24 20:40	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			03/29/24 20:40	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/29/24 20:40	200
Chloroform	ND		200	68	ug/L			03/29/24 20:40	200
1,1,1-Trichloroethane	ND		200	160	ug/L			03/29/24 20:40	200
Carbon tetrachloride	ND		200	54	ug/L			03/29/24 20:40	200
Benzene	ND		200	82	ug/L			03/29/24 20:40	200
1,2-Dichloroethane	ND		200	42	ug/L			03/29/24 20:40	200
Trichloroethene	**100**	**J**	200	92	ug/L			03/29/24 20:40	200
1,2-Dichloropropane	ND		200	140	ug/L			03/29/24 20:40	200
Bromodichloromethane	ND		200	78	ug/L			03/29/24 20:40	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/29/24 20:40	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/29/24 20:40	200
Toluene	ND		200	100	ug/L			03/29/24 20:40	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			03/29/24 20:40	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/29/24 20:40	200
Tetrachloroethene	ND		200	72	ug/L			03/29/24 20:40	200
2-Hexanone	ND		1000	250	ug/L			03/29/24 20:40	200
Dibromochloromethane	ND		200	64	ug/L			03/29/24 20:40	200
Chlorobenzene	ND		200	150	ug/L			03/29/24 20:40	200
Ethylbenzene	ND		200	150	ug/L			03/29/24 20:40	200
m,p-Xylene	ND		400	130	ug/L			03/29/24 20:40	200
o-Xylene	ND		200	150	ug/L			03/29/24 20:40	200
Styrene	ND		200	150	ug/L			03/29/24 20:40	200
Bromoform	ND		200	52	ug/L			03/29/24 20:40	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			03/29/24 20:40	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*03/29/24 20:40*	*200*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/29/24 20:40*	*200*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/29/24 20:40*	*200*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/29/24 20:40*	*200*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**57000**		1000	440	ug/L			04/02/24 18:39	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*04/02/24 18:39*	*1000*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/02/24 18:39*	*1000*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*04/02/24 18:39*	*1000*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/02/24 18:39*	*1000*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-04(1)
Lab Sample ID: 480-218245-4
Date Collected: 03/28/24 12:15
Matrix: Water
Date Received: 03/28/24 14:15

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			03/29/24 14:38	1
Ethene	**20**		7.0	1.5	ug/L			03/29/24 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1700**		180	44	ug/L			03/29/24 13:22	44

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	**464**		20.0	3.5	mg/L			03/29/24 23:36	10
Total Organic Carbon (SM 5310C)	**652**		10.0	4.3	mg/L			03/30/24 15:28	10

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-218245-1	17-01(1)	95	99	102	96
480-218245-2	87-13(1)	93	100	96	97
480-218245-3	17-04(1)	91	102	100	95
480-218245-4	87-04(1)	103	101	105	100
480-218245-4 - DL	87-04(1)	96	101	97	96
LCS 480-705479/7	Lab Control Sample	96	92	95	96
LCS 480-705808/6	Lab Control Sample	92	96	98	97
LCSD 480-705808/30	Lab Control Sample Dup	95	96	93	95
MB 480-705479/9	Method Blank	97	99	102	97
MB 480-705808/8	Method Blank	98	102	102	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-705479/9
Matrix: Water
Analysis Batch: 705479

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/29/24 12:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/29/24 12:42	1
Chloroethane	ND		1.0	0.32	ug/L			03/29/24 12:42	1
Bromomethane	ND		1.0	0.69	ug/L			03/29/24 12:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/29/24 12:42	1
Acetone	ND		10	3.0	ug/L			03/29/24 12:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/29/24 12:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/29/24 12:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/29/24 12:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/29/24 12:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/29/24 12:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/29/24 12:42	1
Chloroform	ND		1.0	0.34	ug/L			03/29/24 12:42	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/29/24 12:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/29/24 12:42	1
Benzene	ND		1.0	0.41	ug/L			03/29/24 12:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/29/24 12:42	1
Trichloroethene	ND		1.0	0.46	ug/L			03/29/24 12:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/29/24 12:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/29/24 12:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/29/24 12:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/29/24 12:42	1
Toluene	ND		1.0	0.51	ug/L			03/29/24 12:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/29/24 12:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/29/24 12:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/29/24 12:42	1
2-Hexanone	ND		5.0	1.2	ug/L			03/29/24 12:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/29/24 12:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/29/24 12:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/29/24 12:42	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/29/24 12:42	1
o-Xylene	ND		1.0	0.76	ug/L			03/29/24 12:42	1
Styrene	ND		1.0	0.73	ug/L			03/29/24 12:42	1
Bromoform	ND		1.0	0.26	ug/L			03/29/24 12:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/29/24 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*03/29/24 12:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/29/24 12:42*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/29/24 12:42*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/29/24 12:42*	*1*

Lab Sample ID: LCS 480-705479/7
Matrix: Water
Analysis Batch: 705479

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			25.0	26.2		ug/L		105	68 - 124		

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

Lab Sample ID: LCS 480-705479/7
Matrix: Water
Analysis Batch: 705479

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.0	27.4		ug/L		109	65 - 133
Chloroethane	25.0	23.5		ug/L		94	69 - 136
Bromomethane	25.0	21.9		ug/L		88	55 - 144
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127
Acetone	125	124		ug/L		99	56 - 142
Carbon disulfide	25.0	24.1		ug/L		96	59 - 134
Methylene Chloride	25.0	22.0		ug/L		88	75 - 124
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
1,1-Dichloroethane	25.0	23.8		ug/L		95	77 - 120
cis-1,2-Dichloroethene	25.0	24.6		ug/L		99	74 - 124
2-Butanone (MEK)	125	115		ug/L		92	57 - 140
Chloroform	25.0	22.7		ug/L		91	73 - 127
1,1,1-Trichloroethane	25.0	24.4		ug/L		97	73 - 126
Carbon tetrachloride	25.0	25.1		ug/L		101	72 - 134
Benzene	25.0	24.3		ug/L		97	71 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		87	71 - 125
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	80 - 120
1,1,2-Trichloroethane	25.0	23.1		ug/L		92	76 - 122
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
2-Hexanone	125	107		ug/L		85	65 - 127
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chlorobenzene	25.0	24.9		ug/L		100	80 - 120
Ethylbenzene	25.0	24.4		ug/L		97	77 - 123
m,p-Xylene	25.0	24.9		ug/L		100	76 - 122
o-Xylene	25.0	24.4		ug/L		98	76 - 122
Styrene	25.0	24.5		ug/L		98	80 - 120
Bromoform	25.0	23.5		ug/L		94	61 - 132
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 480-705808/8
Matrix: Water
Analysis Batch: 705808

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			04/02/24 12:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/02/24 12:47	1

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

Lab Sample ID: MB 480-705808/8
Matrix: Water
Analysis Batch: 705808

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			04/02/24 12:47	1
Bromomethane	ND		1.0	0.69	ug/L			04/02/24 12:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/02/24 12:47	1
Acetone	ND		10	3.0	ug/L			04/02/24 12:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/02/24 12:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/02/24 12:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/02/24 12:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/02/24 12:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/02/24 12:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/02/24 12:47	1
Chloroform	ND		1.0	0.34	ug/L			04/02/24 12:47	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/02/24 12:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/02/24 12:47	1
Benzene	ND		1.0	0.41	ug/L			04/02/24 12:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/02/24 12:47	1
Trichloroethene	ND		1.0	0.46	ug/L			04/02/24 12:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/02/24 12:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/02/24 12:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/02/24 12:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/02/24 12:47	1
Toluene	ND		1.0	0.51	ug/L			04/02/24 12:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/02/24 12:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/02/24 12:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/02/24 12:47	1
2-Hexanone	ND		5.0	1.2	ug/L			04/02/24 12:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/02/24 12:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/02/24 12:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/02/24 12:47	1
m,p-Xylene	ND		2.0	0.66	ug/L			04/02/24 12:47	1
o-Xylene	ND		1.0	0.76	ug/L			04/02/24 12:47	1
Styrene	ND		1.0	0.73	ug/L			04/02/24 12:47	1
Bromoform	ND		1.0	0.26	ug/L			04/02/24 12:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/02/24 12:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*04/02/24 12:47*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/02/24 12:47*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/02/24 12:47*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/02/24 12:47*	*1*

Lab Sample ID: LCS 480-705808/6
Matrix: Water
Analysis Batch: 705808

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			25.0	26.5		ug/L		106	68 - 124		
Vinyl chloride			25.0	28.5		ug/L		114	65 - 133		
Chloroethane			25.0	24.2		ug/L		97	69 - 136		

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

Lab Sample ID: LCS 480-705808/6
Matrix: Water
Analysis Batch: 705808

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			25.0	26.0		ug/L		104	55 - 144		
1,1-Dichloroethene			25.0	24.8		ug/L		99	66 - 127		
Acetone			125	114		ug/L		91	56 - 142		
Carbon disulfide			25.0	25.4		ug/L		102	59 - 134		
Methylene Chloride			25.0	24.0		ug/L		96	75 - 124		
trans-1,2-Dichloroethene			25.0	25.9		ug/L		103	73 - 127		
1,1-Dichloroethane			25.0	24.6		ug/L		99	77 - 120		
cis-1,2-Dichloroethene			25.0	25.5		ug/L		102	74 - 124		
2-Butanone (MEK)			125	100		ug/L		80	57 - 140		
Chloroform			25.0	23.0		ug/L		92	73 - 127		
1,1,1-Trichloroethane			25.0	24.8		ug/L		99	73 - 126		
Carbon tetrachloride			25.0	24.2		ug/L		97	72 - 134		
Benzene			25.0	24.5		ug/L		98	71 - 124		
1,2-Dichloroethane			25.0	23.2		ug/L		93	75 - 120		
Trichloroethene			25.0	24.6		ug/L		98	74 - 123		
1,2-Dichloropropane			25.0	24.1		ug/L		96	76 - 120		
Bromodichloromethane			25.0	23.0		ug/L		92	80 - 122		
cis-1,3-Dichloropropene			25.0	23.3		ug/L		93	74 - 124		
4-Methyl-2-pentanone (MIBK)			125	110		ug/L		88	71 - 125		
Toluene			25.0	24.9		ug/L		100	80 - 122		
trans-1,3-Dichloropropene			25.0	23.3		ug/L		93	80 - 120		
1,1,2-Trichloroethane			25.0	22.2		ug/L		89	76 - 122		
Tetrachloroethene			25.0	25.1		ug/L		100	74 - 122		
2-Hexanone			125	96.1		ug/L		77	65 - 127		
Dibromochloromethane			25.0	23.0		ug/L		92	75 - 125		
Chlorobenzene			25.0	24.7		ug/L		99	80 - 120		
Ethylbenzene			25.0	24.8		ug/L		99	77 - 123		
m,p-Xylene			25.0	25.6		ug/L		102	76 - 122		
o-Xylene			25.0	25.1		ug/L		100	76 - 122		
Styrene			25.0	24.7		ug/L		99	80 - 120		
Bromoform			25.0	21.8		ug/L		87	61 - 132		
1,1,2,2-Tetrachloroethane			25.0	23.9		ug/L		96	76 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 480-705808/30
Matrix: Water
Analysis Batch: 705808

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			25.0	25.7		ug/L		103	68 - 124	3	15
Vinyl chloride			25.0	27.6		ug/L		110	65 - 133	3	15
Chloroethane			25.0	24.9		ug/L		100	69 - 136	3	15
Bromomethane			25.0	23.2		ug/L		93	55 - 144	11	15

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

Lab Sample ID: LCSD 480-705808/30
Matrix: Water
Analysis Batch: 705808

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	24.2		ug/L		97	66 - 127	2	16
Acetone	125	98.6		ug/L		79	56 - 142	14	15
Carbon disulfide	25.0	24.4		ug/L		98	59 - 134	4	15
Methylene Chloride	25.0	22.2		ug/L		89	75 - 124	8	15
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127	2	20
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120	1	20
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124	2	15
2-Butanone (MEK)	125	114		ug/L		91	57 - 140	13	20
Chloroform	25.0	23.2		ug/L		93	73 - 127	1	20
1,1,1-Trichloroethane	25.0	24.1		ug/L		96	73 - 126	3	15
Carbon tetrachloride	25.0	24.1		ug/L		96	72 - 134	0	15
Benzene	25.0	25.2		ug/L		101	71 - 124	3	13
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120	3	20
Trichloroethene	25.0	26.1		ug/L		104	74 - 123	6	16
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120	1	20
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122	4	15
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124	9	15
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		87	71 - 125	1	35
Toluene	25.0	24.6		ug/L		98	80 - 122	1	15
trans-1,3-Dichloropropene	25.0	24.6		ug/L		99	80 - 120	5	15
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	76 - 122	4	15
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122	1	20
2-Hexanone	125	109		ug/L		87	65 - 127	13	15
Dibromochloromethane	25.0	24.0		ug/L		96	75 - 125	4	15
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120	1	25
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123	2	15
m,p-Xylene	25.0	24.0		ug/L		96	76 - 122	6	16
o-Xylene	25.0	23.9		ug/L		96	76 - 122	5	16
Styrene	25.0	24.3		ug/L		97	80 - 120	1	20
Bromoform	25.0	22.2		ug/L		89	61 - 132	2	15
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120	3	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*
Toluene-d8 (Surr)	*95*		*80 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-705524/3
Matrix: Water
Analysis Batch: 705524

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			03/29/24 11:29	1
Ethane	ND		7.5	1.5	ug/L			03/29/24 11:29	1
Ethene	ND		7.0	1.5	ug/L			03/29/24 11:29	1

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

Lab Sample ID: LCS 480-705524/4
Matrix: Water
Analysis Batch: 705524

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane			19.5	18.7		ug/L		96	85 - 120		
Ethane			36.5	35.0		ug/L		96	79 - 120		
Ethene			34.0	31.7		ug/L		93	85 - 120		

Lab Sample ID: LCSD 480-705524/5
Matrix: Water
Analysis Batch: 705524

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane			19.5	18.1		ug/L		93	85 - 120	3	50
Ethane			36.5	33.8		ug/L		93	79 - 120	4	50
Ethene			34.0	31.2		ug/L		92	85 - 120	2	50

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 480-705557/28
Matrix: Water
Analysis Batch: 705557

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			03/29/24 21:52	1

Lab Sample ID: LCS 480-705557/29
Matrix: Water
Analysis Batch: 705557

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			50.1	49.96		mg/L		100	90 - 110		

Lab Sample ID: 480-218245-4 MS
Matrix: Water
Analysis Batch: 705557

Client Sample ID: 87-04(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	464		501	992.0		mg/L		105	80 - 120		

Lab Sample ID: 480-218245-4 MSD
Matrix: Water
Analysis Batch: 705557

Client Sample ID: 87-04(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	464		501	973.5		mg/L		102	80 - 120	2	15

Method: SM 5310C - TOC

Lab Sample ID: MB 480-705707/28
Matrix: Water
Analysis Batch: 705707

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			03/30/24 11:44	1

Lab Sample ID: MB 480-705707/4
Matrix: Water
Analysis Batch: 705707

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			03/30/24 00:31	1

Lab Sample ID: LCS 480-705707/29
Matrix: Water
Analysis Batch: 705707

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	61.26		mg/L		102	90 - 110

Lab Sample ID: LCS 480-705707/5
Matrix: Water
Analysis Batch: 705707

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	60.80		mg/L		101	90 - 110

Lab Sample ID: MB 480-706475/4
Matrix: Water
Analysis Batch: 706475

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/02/24 15:06	1

Lab Sample ID: LCS 480-706475/5
Matrix: Water
Analysis Batch: 706475

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	55.73		mg/L		93	90 - 110

GC/MS VOA

Analysis Batch: 705479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218245-4	87-04(1)	Total/NA	Water	8260C	
MB 480-705479/9	Method Blank	Total/NA	Water	8260C	
LCS 480-705479/7	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 705808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218245-1	17-01(1)	Total/NA	Water	8260C	
480-218245-2	87-13(1)	Total/NA	Water	8260C	
480-218245-3	17-04(1)	Total/NA	Water	8260C	
480-218245-4 - DL	87-04(1)	Total/NA	Water	8260C	
MB 480-705808/8	Method Blank	Total/NA	Water	8260C	
LCS 480-705808/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-705808/30	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 705524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218245-1	17-01(1)	Total/NA	Water	RSK-175	
480-218245-2	87-13(1)	Total/NA	Water	RSK-175	
480-218245-3 - DL	17-04(1)	Total/NA	Water	RSK-175	
480-218245-3	17-04(1)	Total/NA	Water	RSK-175	
480-218245-4 - DL	87-04(1)	Total/NA	Water	RSK-175	
480-218245-4	87-04(1)	Total/NA	Water	RSK-175	
MB 480-705524/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-705524/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-705524/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 705557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218245-1	17-01(1)	Total/NA	Water	9056A	
480-218245-2	87-13(1)	Total/NA	Water	9056A	
480-218245-3	17-04(1)	Total/NA	Water	9056A	
480-218245-4	87-04(1)	Total/NA	Water	9056A	
MB 480-705557/28	Method Blank	Total/NA	Water	9056A	
LCS 480-705557/29	Lab Control Sample	Total/NA	Water	9056A	
480-218245-4 MS	87-04(1)	Total/NA	Water	9056A	
480-218245-4 MSD	87-04(1)	Total/NA	Water	9056A	

Analysis Batch: 705707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218245-1	17-01(1)	Total/NA	Water	SM 5310C	
480-218245-3	17-04(1)	Total/NA	Water	SM 5310C	
480-218245-4	87-04(1)	Total/NA	Water	SM 5310C	
MB 480-705707/28	Method Blank	Total/NA	Water	SM 5310C	
MB 480-705707/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-705707/29	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 480-705707/5	Lab Control Sample	Total/NA	Water	SM 5310C	

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

General Chemistry

Analysis Batch: 706475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218245-2	87-13(1)	Total/NA	Water	SM 5310C	
MB 480-706475/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-706475/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-218245-1

Client Sample ID: 17-01(1)
Date Collected: 03/27/24 16:05
Date Received: 03/28/24 14:15

Lab Sample ID: 480-218245-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2000	705808	CC	EET BUF	04/02/24 17:31
Total/NA	Analysis	RSK-175		1	705524	MAN	EET BUF	03/29/24 14:00
Total/NA	Analysis	9056A		20	705557	AF	EET BUF	03/29/24 22:51
Total/NA	Analysis	SM 5310C		40	705707	AF	EET BUF	03/30/24 09:52

Client Sample ID: 87-13(1)
Date Collected: 03/28/24 09:10
Date Received: 03/28/24 14:15

Lab Sample ID: 480-218245-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		100	705808	CC	EET BUF	04/02/24 17:54
Total/NA	Analysis	RSK-175		44	705524	MAN	EET BUF	03/29/24 12:45
Total/NA	Analysis	9056A		5	705557	AF	EET BUF	03/29/24 23:06
Total/NA	Analysis	SM 5310C		2	706475	AF	EET BUF	04/02/24 19:22

Client Sample ID: 17-04(1)
Date Collected: 03/28/24 10:55
Date Received: 03/28/24 14:15

Lab Sample ID: 480-218245-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2000	705808	CC	EET BUF	04/02/24 18:17
Total/NA	Analysis	RSK-175	DL	44	705524	MAN	EET BUF	03/29/24 13:03
Total/NA	Analysis	RSK-175		1	705524	MAN	EET BUF	03/29/24 14:19
Total/NA	Analysis	9056A		10	705557	AF	EET BUF	03/29/24 23:21
Total/NA	Analysis	SM 5310C		40	705707	AF	EET BUF	03/30/24 15:00

Client Sample ID: 87-04(1)
Date Collected: 03/28/24 12:15
Date Received: 03/28/24 14:15

Lab Sample ID: 480-218245-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	705479	LCH	EET BUF	03/29/24 20:40
Total/NA	Analysis	8260C	DL	1000	705808	CC	EET BUF	04/02/24 18:39
Total/NA	Analysis	RSK-175	DL	44	705524	MAN	EET BUF	03/29/24 13:22
Total/NA	Analysis	RSK-175		1	705524	MAN	EET BUF	03/29/24 14:38
Total/NA	Analysis	9056A		10	705557	AF	EET BUF	03/29/24 23:36
Total/NA	Analysis	SM 5310C		10	705707	AF	EET BUF	03/30/24 15:28

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
9056A	Anions, Ion Chromatography	SW846	EET BUF
SM 5310C	TOC	SM	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218245-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218245-1	17-01(1)	Water	03/27/24 16:05	03/28/24 14:15
480-218245-2	87-13(1)	Water	03/28/24 09:10	03/28/24 14:15
480-218245-3	17-04(1)	Water	03/28/24 10:55	03/28/24 14:15
480-218245-4	87-04(1)	Water	03/28/24 12:15	03/28/24 14:15

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins
Environment Testing
TestAmerica

Regulatory Program: ☐ DW ☑ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	____ of ____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(412) 858-1654 FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Textron Bioremediation Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
P O # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
17-01(1)	3/27/24	1605	G	W	10	N	N	X	X	X	X	
87-13(1)	3/28/24	0910	G	W	1	N	N	X	X	X	X	
17-04(1)	1	1055	G	W	1	N	N	X	X	X	X	
87-04(1)	↓	1215	G	W	↓	N	N	X	X	X	X	
			G	W		N	N					
			G	W		N	N					
			G	W		N	N					
			G	W		N	N					
			G	W		N	N					
			G	W		N	N					
			G	W		N	N					
			G	W		N	N					
			G	W		N	N					

480-218245 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

4.0 # ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by: Brian Cronin	Company: APTIM	Date/Time: 3/28/24 1415	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 3/28/24 1415

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-218245-1

Login Number: 218245
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

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JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-218149-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization



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Authorized for release by
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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

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

General Chemistry

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

Glossary

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

Job ID: 480-218149-1 Eurofins Buffalo

Job Narrative
480-218149-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/26/2024 1:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

GC/MS VOA
Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-705259 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are impacted: 87-16(1) (480-218149-7), 87-16(1) (480-218149-7[MS]) and 87-16(1) (480-218149-7[MSD]).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 89-10(1) (480-218149-1), 87-10(1) (480-218149-2), B-10A(1) (480-218149-4), 87-14(1) (480-218149-5), 19-01(1) (480-218149-6), 87-16(1) (480-218149-7), 87-16(1) (480-218149-7[MS]), 87-16(1) (480-218149-7[MSD]) and 89-15(1) (480-218149-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: 87-14(1) (480-218149-5) and 19-01(1) (480-218149-6).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: 89-15(1) (480-218149-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP-1 (480-218149-10). Elevated reporting limits (RLs) are provided.

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

GC VOA
Method RSK_175: The following samples were diluted to bring the concentration of target analytes within the calibration range: 87-10(1) (480-218149-2), B-10A(1) (480-218149-4), 87-14(1) (480-218149-5), 19-01(1) (480-218149-6), 87-16(1) (480-218149-7), 89-15(1) (480-218149-8) and DUP-1 (480-218149-10). Elevated reporting limits (RLs) are provided.

Method RSK_175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: 87-14(1) (480-218149-5) and 19-01(1) (480-218149-6).

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

General Chemistry
Method 9056A_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: 89-10(1) (480-218149-1) and 87-10(1) (480-218149-2). Elevated reporting limits (RLs) are provided.

Method 9056A_28D: The following samples were diluted due to the abundance of non-target analytes: DW-9 (480-218149-3), B-10A(1) (480-218149-4), 87-14(1) (480-218149-5), 19-01(1) (480-218149-6), 87-16(1) (480-218149-7), 89-15(1) (480-218149-8) and DUP-1 (480-218149-10). Elevated reporting limits (RLs) are provided.

Job ID: 480-218149-1 (Continued) Eurofins Buffalo

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-10(1) — Lab Sample ID: 480-218149-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1000		200	180	ug/L	200		8260C	Total/NA
Methylene Chloride	3200		200	88	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	6400		200	160	ug/L	200		8260C	Total/NA
Trichloroethene	3900		200	92	ug/L	200		8260C	Total/NA
Methane	28		4.0	1.0	ug/L	1		RSK-175	Total/NA
Ethane	5.6	J	7.5	1.5	ug/L	1		RSK-175	Total/NA
Ethene	140		7.0	1.5	ug/L	1		RSK-175	Total/NA
Sulfate	671		20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	6.9		5.0	2.2	mg/L	5		SM 5310C	Total/NA

Client Sample ID: 87-10(1) — Lab Sample ID: 480-218149-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	270		10	9.0	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	15		10	3.8	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	180		10	8.1	ug/L	10		8260C	Total/NA
1,1,1-Trichloroethane	22		10	8.2	ug/L	10		8260C	Total/NA
Trichloroethene	12		10	4.6	ug/L	10		8260C	Total/NA
Methane	110		44	11	ug/L	11		RSK-175	Total/NA
Ethene	150		77	17	ug/L	11		RSK-175	Total/NA
Sulfate	1190		20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	2.5		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: DW-9 — Lab Sample ID: 480-218149-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.27	J	1.0	0.19	ug/L	1		8260C	Total/NA
Trichloroethene	4.2		1.0	0.46	ug/L	1		8260C	Total/NA
Sulfate	46.0		4.0	0.70	mg/L	2		9056A	Total/NA
Total Organic Carbon	3.8		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: B-10A(1) — Lab Sample ID: 480-218149-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	9900		400	360	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene	5000		400	320	ug/L	400		8260C	Total/NA
Ethene	3500		77	17	ug/L	11		RSK-175	Total/NA
Methane - DL	5000		180	44	ug/L	44		RSK-175	Total/NA
Sulfate	158		10.0	1.7	mg/L	5		9056A	Total/NA
Total Organic Carbon	4.5		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: 87-14(1) — Lab Sample ID: 480-218149-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	12000		400	360	ug/L	400		8260C	Total/NA
Methylene Chloride	1100		400	180	ug/L	400		8260C	Total/NA
1,1-Dichloroethane	310	J	400	150	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene	3900		400	320	ug/L	400		8260C	Total/NA
Methane	4900		180	44	ug/L	44		RSK-175	Total/NA
Ethane	770		330	66	ug/L	44		RSK-175	Total/NA
Ethene	5300		310	66	ug/L	44		RSK-175	Total/NA
Sulfate	42.4		40.0	7.0	mg/L	20		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: 87-14(1) (Continued)
Lab Sample ID: 480-218149-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	2010		40.0	17.4	mg/L	40		SM 5310C	Total/NA

Client Sample ID: 19-01(1)
Lab Sample ID: 480-218149-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	8.3	J	10	3.5	ug/L	10		8260C	Total/NA
Vinyl chloride	540		10	9.0	ug/L	10		8260C	Total/NA
Carbon disulfide	15		10	1.9	ug/L	10		8260C	Total/NA
Methylene Chloride	440		10	4.4	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	6.0	J	10	3.8	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	67		10	8.1	ug/L	10		8260C	Total/NA
2-Butanone (MEK)	90	J	100	13	ug/L	10		8260C	Total/NA
Trichloroethene	11		10	4.6	ug/L	10		8260C	Total/NA
Methane	2800		180	44	ug/L	44		RSK-175	Total/NA
Ethane	490		330	66	ug/L	44		RSK-175	Total/NA
Ethene	670		310	66	ug/L	44		RSK-175	Total/NA
Sulfate	100		40.0	7.0	mg/L	20		9056A	Total/NA
Total Organic Carbon	3790		100	43.4	mg/L	100		SM 5310C	Total/NA

Client Sample ID: 87-16(1)
Lab Sample ID: 480-218149-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	420000	F1	8000	3500	ug/L	8000		8260C	Total/NA
cis-1,2-Dichloroethene	95000	F1	8000	6500	ug/L	8000		8260C	Total/NA
Trichloroethene	330000	F1	8000	3700	ug/L	8000		8260C	Total/NA
Methane	460		88	22	ug/L	22		RSK-175	Total/NA
Ethene	470		150	33	ug/L	22		RSK-175	Total/NA
Sulfate	168		20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	19.4		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: 89-15(1)
Lab Sample ID: 480-218149-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.1		2.0	0.58	ug/L	2		8260C	Total/NA
Acetone	8.8	J	20	6.0	ug/L	2		8260C	Total/NA
Carbon disulfide	3.3		2.0	0.38	ug/L	2		8260C	Total/NA
Methylene Chloride	7.0		2.0	0.88	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	8.8		2.0	1.8	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	21		2.0	0.76	ug/L	2		8260C	Total/NA
Chloroform	1.1	J	2.0	0.68	ug/L	2		8260C	Total/NA
1,1,1-Trichloroethane	3.6		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	200		2.0	0.92	ug/L	2		8260C	Total/NA
Toluene	1.6	J	2.0	1.0	ug/L	2		8260C	Total/NA
Vinyl chloride - DL	490		8.0	7.2	ug/L	8		8260C	Total/NA
cis-1,2-Dichloroethene - DL	370		8.0	6.5	ug/L	8		8260C	Total/NA
Methane	4500		88	22	ug/L	22		RSK-175	Total/NA
Ethene	780		150	33	ug/L	22		RSK-175	Total/NA
Sulfate	9.0	J	10.0	1.7	mg/L	5		9056A	Total/NA
Total Organic Carbon	61.0		10.0	4.3	mg/L	10		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: FIELD BLANK
Lab Sample ID: 480-218149-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.91	J	1.0	0.44	ug/L	1		8260C	Total/NA
Trichloroethene	0.93	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-1
Lab Sample ID: 480-218149-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	32		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	4.1	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.90	J	1.0	0.19	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	90		1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane	33		1.0	0.82	ug/L	1		8260C	Total/NA
Benzene	2.9		1.0	0.41	ug/L	1		8260C	Total/NA
Trichloroethene	15		1.0	0.46	ug/L	1		8260C	Total/NA
Toluene	4.9		1.0	0.51	ug/L	1		8260C	Total/NA
Ethylbenzene	6.1		1.0	0.74	ug/L	1		8260C	Total/NA
m,p-Xylene	8.7		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	8.1		1.0	0.76	ug/L	1		8260C	Total/NA
Vinyl chloride - DL	9200		200	180	ug/L	200		8260C	Total/NA
1,1-Dichloroethane - DL	93	J	200	76	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene - DL	4600		200	160	ug/L	200		8260C	Total/NA
Ethane	2.2	J	7.5	1.5	ug/L	1		RSK-175	Total/NA
Methane - DL	5100		180	44	ug/L	44		RSK-175	Total/NA
Ethene - DL	2400		310	66	ug/L	44		RSK-175	Total/NA
Sulfate	157		10.0	1.7	mg/L	5		9056A	Total/NA
Total Organic Carbon	4.6		1.0	0.43	mg/L	1		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-10(1)
Lab Sample ID: 480-218149-1
Date Collected: 03/24/24 15:15
Matrix: Water
Date Received: 03/26/24 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		200	70	ug/L			03/27/24 22:01	200
Vinyl chloride	**1000**		200	180	ug/L			03/27/24 22:01	200
Chloroethane	ND		200	64	ug/L			03/27/24 22:01	200
Bromomethane	ND		200	140	ug/L			03/27/24 22:01	200
1,1-Dichloroethene	ND		200	58	ug/L			03/27/24 22:01	200
Acetone	ND		2000	600	ug/L			03/27/24 22:01	200
Carbon disulfide	ND		200	38	ug/L			03/27/24 22:01	200
Methylene Chloride	**3200**		200	88	ug/L			03/27/24 22:01	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			03/27/24 22:01	200
1,1-Dichloroethane	ND		200	76	ug/L			03/27/24 22:01	200
cis-1,2-Dichloroethene	**6400**		200	160	ug/L			03/27/24 22:01	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/27/24 22:01	200
Chloroform	ND		200	68	ug/L			03/27/24 22:01	200
1,1,1-Trichloroethane	ND		200	160	ug/L			03/27/24 22:01	200
Carbon tetrachloride	ND		200	54	ug/L			03/27/24 22:01	200
Benzene	ND		200	82	ug/L			03/27/24 22:01	200
1,2-Dichloroethane	ND		200	42	ug/L			03/27/24 22:01	200
Trichloroethene	**3900**		200	92	ug/L			03/27/24 22:01	200
1,2-Dichloropropane	ND		200	140	ug/L			03/27/24 22:01	200
Bromodichloromethane	ND		200	78	ug/L			03/27/24 22:01	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/27/24 22:01	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/27/24 22:01	200
Toluene	ND		200	100	ug/L			03/27/24 22:01	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			03/27/24 22:01	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/27/24 22:01	200
Tetrachloroethene	ND		200	72	ug/L			03/27/24 22:01	200
2-Hexanone	ND		1000	250	ug/L			03/27/24 22:01	200
Dibromochloromethane	ND		200	64	ug/L			03/27/24 22:01	200
Chlorobenzene	ND		200	150	ug/L			03/27/24 22:01	200
Ethylbenzene	ND		200	150	ug/L			03/27/24 22:01	200
m,p-Xylene	ND		400	130	ug/L			03/27/24 22:01	200
o-Xylene	ND		200	150	ug/L			03/27/24 22:01	200
Styrene	ND		200	150	ug/L			03/27/24 22:01	200
Bromoform	ND		200	52	ug/L			03/27/24 22:01	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			03/27/24 22:01	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*03/27/24 22:01*	*200*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*03/27/24 22:01*	*200*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/27/24 22:01*	*200*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/27/24 22:01*	*200*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**28**		4.0	1.0	ug/L			03/27/24 21:25	1
Ethane	**5.6**	**J**	7.5	1.5	ug/L			03/27/24 21:25	1
Ethene	**140**		7.0	1.5	ug/L			03/27/24 21:25	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-10(1)
Date Collected: 03/24/24 15:15
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	671		20.0	3.5	mg/L			03/27/24 17:46	10
Total Organic Carbon (SM 5310C)	6.9		5.0	2.2	mg/L			03/30/24 09:16	5

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-10(1)
Lab Sample ID: 480-218149-2
Date Collected: 03/24/24 17:15
Matrix: Water
Date Received: 03/26/24 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	3.5	ug/L			03/27/24 22:24	10
Vinyl chloride	**270**		10	9.0	ug/L			03/27/24 22:24	10
Chloroethane	ND		10	3.2	ug/L			03/27/24 22:24	10
Bromomethane	ND		10	6.9	ug/L			03/27/24 22:24	10
1,1-Dichloroethene	ND		10	2.9	ug/L			03/27/24 22:24	10
Acetone	ND		100	30	ug/L			03/27/24 22:24	10
Carbon disulfide	ND		10	1.9	ug/L			03/27/24 22:24	10
Methylene Chloride	ND		10	4.4	ug/L			03/27/24 22:24	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/27/24 22:24	10
1,1-Dichloroethane	**15**		10	3.8	ug/L			03/27/24 22:24	10
cis-1,2-Dichloroethene	**180**		10	8.1	ug/L			03/27/24 22:24	10
2-Butanone (MEK)	ND		100	13	ug/L			03/27/24 22:24	10
Chloroform	ND		10	3.4	ug/L			03/27/24 22:24	10
1,1,1-Trichloroethane	**22**		10	8.2	ug/L			03/27/24 22:24	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/27/24 22:24	10
Benzene	ND		10	4.1	ug/L			03/27/24 22:24	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/27/24 22:24	10
Trichloroethene	**12**		10	4.6	ug/L			03/27/24 22:24	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/27/24 22:24	10
Bromodichloromethane	ND		10	3.9	ug/L			03/27/24 22:24	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/27/24 22:24	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/27/24 22:24	10
Toluene	ND		10	5.1	ug/L			03/27/24 22:24	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/27/24 22:24	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/27/24 22:24	10
Tetrachloroethene	ND		10	3.6	ug/L			03/27/24 22:24	10
2-Hexanone	ND		50	12	ug/L			03/27/24 22:24	10
Dibromochloromethane	ND		10	3.2	ug/L			03/27/24 22:24	10
Chlorobenzene	ND		10	7.5	ug/L			03/27/24 22:24	10
Ethylbenzene	ND		10	7.4	ug/L			03/27/24 22:24	10
m,p-Xylene	ND		20	6.6	ug/L			03/27/24 22:24	10
o-Xylene	ND		10	7.6	ug/L			03/27/24 22:24	10
Styrene	ND		10	7.3	ug/L			03/27/24 22:24	10
Bromoform	ND		10	2.6	ug/L			03/27/24 22:24	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/27/24 22:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*03/27/24 22:24*	*10*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*03/27/24 22:24*	*10*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/27/24 22:24*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/27/24 22:24*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**110**		44	11	ug/L			03/27/24 18:53	11
Ethane	ND		83	17	ug/L			03/27/24 18:53	11
Ethene	**150**		77	17	ug/L			03/27/24 18:53	11

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-10(1)
Lab Sample ID: 480-218149-2
Date Collected: 03/24/24 17:15
Matrix: Water
Date Received: 03/26/24 13:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	1190		20.0	3.5	mg/L			03/27/24 18:03	10
Total Organic Carbon (SM 5310C)	2.5		1.0	0.43	mg/L			03/30/24 09:46	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DW-9
Date Collected: 03/25/24 09:50
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/27/24 22:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/27/24 22:47	1
Chloroethane	ND		1.0	0.32	ug/L			03/27/24 22:47	1
Bromomethane	ND		1.0	0.69	ug/L			03/27/24 22:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/27/24 22:47	1
Acetone	**5.4**	**J**	10	3.0	ug/L			03/27/24 22:47	1
Carbon disulfide	**0.27**	**J**	1.0	0.19	ug/L			03/27/24 22:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/27/24 22:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/27/24 22:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/27/24 22:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/27/24 22:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/27/24 22:47	1
Chloroform	ND		1.0	0.34	ug/L			03/27/24 22:47	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/27/24 22:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/27/24 22:47	1
Benzene	ND		1.0	0.41	ug/L			03/27/24 22:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/27/24 22:47	1
Trichloroethene	**4.2**		1.0	0.46	ug/L			03/27/24 22:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/27/24 22:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/27/24 22:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/27/24 22:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/27/24 22:47	1
Toluene	ND		1.0	0.51	ug/L			03/27/24 22:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/27/24 22:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/27/24 22:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/27/24 22:47	1
2-Hexanone	ND		5.0	1.2	ug/L			03/27/24 22:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/27/24 22:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/27/24 22:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/27/24 22:47	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/27/24 22:47	1
o-Xylene	ND		1.0	0.76	ug/L			03/27/24 22:47	1
Styrene	ND		1.0	0.73	ug/L			03/27/24 22:47	1
Bromoform	ND		1.0	0.26	ug/L			03/27/24 22:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/27/24 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*03/27/24 22:47*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*03/27/24 22:47*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/27/24 22:47*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/27/24 22:47*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			03/27/24 19:12	1
Ethane	ND		7.5	1.5	ug/L			03/27/24 19:12	1
Ethene	ND		7.0	1.5	ug/L			03/27/24 19:12	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DW-9
Lab Sample ID: 480-218149-3
Date Collected: 03/25/24 09:50
Matrix: Water
Date Received: 03/26/24 13:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	46.0		4.0	0.70	mg/L			03/27/24 19:33	2
Total Organic Carbon (SM 5310C)	3.8		1.0	0.43	mg/L			03/30/24 10:15	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: B-10A(1)
Date Collected: 03/25/24 11:05
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		400	140	ug/L			03/27/24 23:10	400
Vinyl chloride	**9900**		400	360	ug/L			03/27/24 23:10	400
Chloroethane	ND		400	130	ug/L			03/27/24 23:10	400
Bromomethane	ND		400	280	ug/L			03/27/24 23:10	400
1,1-Dichloroethene	ND		400	120	ug/L			03/27/24 23:10	400
Acetone	ND		4000	1200	ug/L			03/27/24 23:10	400
Carbon disulfide	ND		400	76	ug/L			03/27/24 23:10	400
Methylene Chloride	ND		400	180	ug/L			03/27/24 23:10	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			03/27/24 23:10	400
1,1-Dichloroethane	ND		400	150	ug/L			03/27/24 23:10	400
cis-1,2-Dichloroethene	**5000**		400	320	ug/L			03/27/24 23:10	400
2-Butanone (MEK)	ND		4000	530	ug/L			03/27/24 23:10	400
Chloroform	ND		400	140	ug/L			03/27/24 23:10	400
1,1,1-Trichloroethane	ND		400	330	ug/L			03/27/24 23:10	400
Carbon tetrachloride	ND		400	110	ug/L			03/27/24 23:10	400
Benzene	ND		400	160	ug/L			03/27/24 23:10	400
1,2-Dichloroethane	ND		400	84	ug/L			03/27/24 23:10	400
Trichloroethene	ND		400	180	ug/L			03/27/24 23:10	400
1,2-Dichloropropane	ND		400	290	ug/L			03/27/24 23:10	400
Bromodichloromethane	ND		400	160	ug/L			03/27/24 23:10	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			03/27/24 23:10	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			03/27/24 23:10	400
Toluene	ND		400	200	ug/L			03/27/24 23:10	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			03/27/24 23:10	400
1,1,2-Trichloroethane	ND		400	92	ug/L			03/27/24 23:10	400
Tetrachloroethene	ND		400	140	ug/L			03/27/24 23:10	400
2-Hexanone	ND		2000	500	ug/L			03/27/24 23:10	400
Dibromochloromethane	ND		400	130	ug/L			03/27/24 23:10	400
Chlorobenzene	ND		400	300	ug/L			03/27/24 23:10	400
Ethylbenzene	ND		400	300	ug/L			03/27/24 23:10	400
m,p-Xylene	ND		800	260	ug/L			03/27/24 23:10	400
o-Xylene	ND		400	300	ug/L			03/27/24 23:10	400
Styrene	ND		400	290	ug/L			03/27/24 23:10	400
Bromoform	ND		400	100	ug/L			03/27/24 23:10	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			03/27/24 23:10	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*03/27/24 23:10*	*400*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/27/24 23:10*	*400*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/27/24 23:10*	*400*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/27/24 23:10*	*400*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		83	17	ug/L			03/27/24 19:31	11
Ethene	**3500**		77	17	ug/L			03/27/24 19:31	11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5000**		180	44	ug/L			03/27/24 21:44	44

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: B-10A(1)
Lab Sample ID: 480-218149-4

Date Collected: 03/25/24 11:05
Matrix: Water
Date Received: 03/26/24 13:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	158		10.0	1.7	mg/L			03/27/24 19:51	5
Total Organic Carbon (SM 5310C)	4.5		1.0	0.43	mg/L			03/30/24 14:42	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-14(1)
Lab Sample ID: 480-218149-5
Date Collected: 03/25/24 15:30
Matrix: Water
Date Received: 03/26/24 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		400	140	ug/L			03/27/24 23:33	400
Vinyl chloride	**12000**		400	360	ug/L			03/27/24 23:33	400
Chloroethane	ND		400	130	ug/L			03/27/24 23:33	400
Bromomethane	ND		400	280	ug/L			03/27/24 23:33	400
1,1-Dichloroethene	ND		400	120	ug/L			03/27/24 23:33	400
Acetone	ND		4000	1200	ug/L			03/27/24 23:33	400
Carbon disulfide	ND		400	76	ug/L			03/27/24 23:33	400
Methylene Chloride	**1100**		400	180	ug/L			03/27/24 23:33	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			03/27/24 23:33	400
1,1-Dichloroethane	**310**	**J**	400	150	ug/L			03/27/24 23:33	400
cis-1,2-Dichloroethene	**3900**		400	320	ug/L			03/27/24 23:33	400
2-Butanone (MEK)	ND		4000	530	ug/L			03/27/24 23:33	400
Chloroform	ND		400	140	ug/L			03/27/24 23:33	400
1,1,1-Trichloroethane	ND		400	330	ug/L			03/27/24 23:33	400
Carbon tetrachloride	ND		400	110	ug/L			03/27/24 23:33	400
Benzene	ND		400	160	ug/L			03/27/24 23:33	400
1,2-Dichloroethane	ND		400	84	ug/L			03/27/24 23:33	400
Trichloroethene	ND		400	180	ug/L			03/27/24 23:33	400
1,2-Dichloropropane	ND		400	290	ug/L			03/27/24 23:33	400
Bromodichloromethane	ND		400	160	ug/L			03/27/24 23:33	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			03/27/24 23:33	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			03/27/24 23:33	400
Toluene	ND		400	200	ug/L			03/27/24 23:33	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			03/27/24 23:33	400
1,1,2-Trichloroethane	ND		400	92	ug/L			03/27/24 23:33	400
Tetrachloroethene	ND		400	140	ug/L			03/27/24 23:33	400
2-Hexanone	ND		2000	500	ug/L			03/27/24 23:33	400
Dibromochloromethane	ND		400	130	ug/L			03/27/24 23:33	400
Chlorobenzene	ND		400	300	ug/L			03/27/24 23:33	400
Ethylbenzene	ND		400	300	ug/L			03/27/24 23:33	400
m,p-Xylene	ND		800	260	ug/L			03/27/24 23:33	400
o-Xylene	ND		400	300	ug/L			03/27/24 23:33	400
Styrene	ND		400	290	ug/L			03/27/24 23:33	400
Bromoform	ND		400	100	ug/L			03/27/24 23:33	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			03/27/24 23:33	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/27/24 23:33*	*400*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/27/24 23:33*	*400*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*03/27/24 23:33*	*400*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/27/24 23:33*	*400*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4900**		180	44	ug/L			03/27/24 19:50	44
Ethane	**770**		330	66	ug/L			03/27/24 19:50	44
Ethene	**5300**		310	66	ug/L			03/27/24 19:50	44

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-14(1)
Lab Sample ID: 480-218149-5
Date Collected: 03/25/24 15:30
Matrix: Water
Date Received: 03/26/24 13:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	42.4		40.0	7.0	mg/L			03/27/24 20:09	20
Total Organic Carbon (SM 5310C)	2010		40.0	17.4	mg/L			04/02/24 18:25	40

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 19-01(1)
Lab Sample ID: 480-218149-6
Date Collected: 03/26/24 08:40
Matrix: Water
Date Received: 03/26/24 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	**8.3**	**J**	10	3.5	ug/L			03/27/24 23:57	10
Vinyl chloride	**540**		10	9.0	ug/L			03/27/24 23:57	10
Chloroethane	ND		10	3.2	ug/L			03/27/24 23:57	10
Bromomethane	ND		10	6.9	ug/L			03/27/24 23:57	10
1,1-Dichloroethene	ND		10	2.9	ug/L			03/27/24 23:57	10
Acetone	ND		100	30	ug/L			03/27/24 23:57	10
Carbon disulfide	**15**		10	1.9	ug/L			03/27/24 23:57	10
Methylene Chloride	**440**		10	4.4	ug/L			03/27/24 23:57	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/27/24 23:57	10
1,1-Dichloroethane	**6.0**	**J**	10	3.8	ug/L			03/27/24 23:57	10
cis-1,2-Dichloroethene	**67**		10	8.1	ug/L			03/27/24 23:57	10
2-Butanone (MEK)	**90**	**J**	100	13	ug/L			03/27/24 23:57	10
Chloroform	ND		10	3.4	ug/L			03/27/24 23:57	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			03/27/24 23:57	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/27/24 23:57	10
Benzene	ND		10	4.1	ug/L			03/27/24 23:57	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/27/24 23:57	10
Trichloroethene	**11**		10	4.6	ug/L			03/27/24 23:57	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/27/24 23:57	10
Bromodichloromethane	ND		10	3.9	ug/L			03/27/24 23:57	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/27/24 23:57	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/27/24 23:57	10
Toluene	ND		10	5.1	ug/L			03/27/24 23:57	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/27/24 23:57	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/27/24 23:57	10
Tetrachloroethene	ND		10	3.6	ug/L			03/27/24 23:57	10
2-Hexanone	ND		50	12	ug/L			03/27/24 23:57	10
Dibromochloromethane	ND		10	3.2	ug/L			03/27/24 23:57	10
Chlorobenzene	ND		10	7.5	ug/L			03/27/24 23:57	10
Ethylbenzene	ND		10	7.4	ug/L			03/27/24 23:57	10
m,p-Xylene	ND		20	6.6	ug/L			03/27/24 23:57	10
o-Xylene	ND		10	7.6	ug/L			03/27/24 23:57	10
Styrene	ND		10	7.3	ug/L			03/27/24 23:57	10
Bromoform	ND		10	2.6	ug/L			03/27/24 23:57	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/27/24 23:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*03/27/24 23:57*	*10*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/27/24 23:57*	*10*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*03/27/24 23:57*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/27/24 23:57*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2800**		180	44	ug/L			03/27/24 20:09	44
Ethane	**490**		330	66	ug/L			03/27/24 20:09	44
Ethene	**670**		310	66	ug/L			03/27/24 20:09	44

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 19-01(1)
Lab Sample ID: 480-218149-6
Date Collected: 03/26/24 08:40
Matrix: Water
Date Received: 03/26/24 13:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	100		40.0	7.0	mg/L			03/27/24 20:27	20
Total Organic Carbon (SM 5310C)	3790		100	43.4	mg/L			04/02/24 18:53	100

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-16(1)
Lab Sample ID: 480-218149-7
Date Collected: 03/26/24 09:55
Matrix: Water
Date Received: 03/26/24 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		8000	2800	ug/L			03/28/24 00:20	8000
Vinyl chloride	ND		8000	7200	ug/L			03/28/24 00:20	8000
Chloroethane	ND		8000	2600	ug/L			03/28/24 00:20	8000
Bromomethane	ND		8000	5500	ug/L			03/28/24 00:20	8000
1,1-Dichloroethene	ND		8000	2300	ug/L			03/28/24 00:20	8000
Acetone	ND		80000	24000	ug/L			03/28/24 00:20	8000
Carbon disulfide	ND		8000	1500	ug/L			03/28/24 00:20	8000
Methylene Chloride	**420000**	**F1**	8000	3500	ug/L			03/28/24 00:20	8000
trans-1,2-Dichloroethene	ND		8000	7200	ug/L			03/28/24 00:20	8000
1,1-Dichloroethane	ND		8000	3000	ug/L			03/28/24 00:20	8000
cis-1,2-Dichloroethene	**95000**	**F1**	8000	6500	ug/L			03/28/24 00:20	8000
2-Butanone (MEK)	ND		80000	11000	ug/L			03/28/24 00:20	8000
Chloroform	ND		8000	2700	ug/L			03/28/24 00:20	8000
1,1,1-Trichloroethane	ND		8000	6600	ug/L			03/28/24 00:20	8000
Carbon tetrachloride	ND		8000	2200	ug/L			03/28/24 00:20	8000
Benzene	ND		8000	3300	ug/L			03/28/24 00:20	8000
1,2-Dichloroethane	ND		8000	1700	ug/L			03/28/24 00:20	8000
Trichloroethene	**330000**	**F1**	8000	3700	ug/L			03/28/24 00:20	8000
1,2-Dichloropropane	ND		8000	5800	ug/L			03/28/24 00:20	8000
Bromodichloromethane	ND		8000	3100	ug/L			03/28/24 00:20	8000
cis-1,3-Dichloropropene	ND		8000	2900	ug/L			03/28/24 00:20	8000
4-Methyl-2-pentanone (MIBK)	ND		40000	17000	ug/L			03/28/24 00:20	8000
Toluene	ND		8000	4100	ug/L			03/28/24 00:20	8000
trans-1,3-Dichloropropene	ND		8000	3000	ug/L			03/28/24 00:20	8000
1,1,2-Trichloroethane	ND		8000	1800	ug/L			03/28/24 00:20	8000
Tetrachloroethene	ND		8000	2900	ug/L			03/28/24 00:20	8000
2-Hexanone	ND		40000	9900	ug/L			03/28/24 00:20	8000
Dibromochloromethane	ND		8000	2600	ug/L			03/28/24 00:20	8000
Chlorobenzene	ND		8000	6000	ug/L			03/28/24 00:20	8000
Ethylbenzene	ND		8000	5900	ug/L			03/28/24 00:20	8000
m,p-Xylene	ND		16000	5300	ug/L			03/28/24 00:20	8000
o-Xylene	ND		8000	6100	ug/L			03/28/24 00:20	8000
Styrene	ND		8000	5800	ug/L			03/28/24 00:20	8000
Bromoform	ND		8000	2100	ug/L			03/28/24 00:20	8000
1,1,2,2-Tetrachloroethane	ND		8000	1700	ug/L			03/28/24 00:20	8000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/28/24 00:20*	*8000*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/28/24 00:20*	*8000*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*03/28/24 00:20*	*8000*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/28/24 00:20*	*8000*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**460**		88	22	ug/L			03/27/24 20:28	22
Ethane	ND		170	33	ug/L			03/27/24 20:28	22
Ethene	**470**		150	33	ug/L			03/27/24 20:28	22

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-16(1)
Lab Sample ID: 480-218149-7
Date Collected: 03/26/24 09:55
Matrix: Water
Date Received: 03/26/24 13:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	168		20.0	3.5	mg/L			03/27/24 20:45	10
Total Organic Carbon (SM 5310C)	19.4		1.0	0.43	mg/L			03/30/24 16:10	1

Client Sample ID: 89-15(1)
Lab Sample ID: 480-218149-8
Date Collected: 03/26/24 11:35
Matrix: Water
Date Received: 03/26/24 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			03/28/24 00:43	2
Chloroethane	ND		2.0	0.64	ug/L			03/28/24 00:43	2
Bromomethane	ND		2.0	1.4	ug/L			03/28/24 00:43	2
1,1-Dichloroethene	**3.1**		2.0	0.58	ug/L			03/28/24 00:43	2
Acetone	**8.8**	**J**	20	6.0	ug/L			03/28/24 00:43	2
Carbon disulfide	**3.3**		2.0	0.38	ug/L			03/28/24 00:43	2
Methylene Chloride	**7.0**		2.0	0.88	ug/L			03/28/24 00:43	2
trans-1,2-Dichloroethene	**8.8**		2.0	1.8	ug/L			03/28/24 00:43	2
1,1-Dichloroethane	**21**		2.0	0.76	ug/L			03/28/24 00:43	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/28/24 00:43	2
Chloroform	**1.1**	**J**	2.0	0.68	ug/L			03/28/24 00:43	2
1,1,1-Trichloroethane	**3.6**		2.0	1.6	ug/L			03/28/24 00:43	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/28/24 00:43	2
Benzene	ND		2.0	0.82	ug/L			03/28/24 00:43	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/28/24 00:43	2
Trichloroethene	**200**		2.0	0.92	ug/L			03/28/24 00:43	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/28/24 00:43	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/28/24 00:43	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/28/24 00:43	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/28/24 00:43	2
Toluene	**1.6**	**J**	2.0	1.0	ug/L			03/28/24 00:43	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/28/24 00:43	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/28/24 00:43	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/28/24 00:43	2
2-Hexanone	ND		10	2.5	ug/L			03/28/24 00:43	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/28/24 00:43	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/28/24 00:43	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/28/24 00:43	2
m,p-Xylene	ND		4.0	1.3	ug/L			03/28/24 00:43	2
o-Xylene	ND		2.0	1.5	ug/L			03/28/24 00:43	2
Styrene	ND		2.0	1.5	ug/L			03/28/24 00:43	2
Bromoform	ND		2.0	0.52	ug/L			03/28/24 00:43	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/28/24 00:43	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*03/28/24 00:43*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/28/24 00:43*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*03/28/24 00:43*	*2*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/28/24 00:43*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**490**		8.0	7.2	ug/L			03/28/24 13:51	8
cis-1,2-Dichloroethene	**370**		8.0	6.5	ug/L			03/28/24 13:51	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*03/28/24 13:51*	*8*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*03/28/24 13:51*	*8*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/28/24 13:51*	*8*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/28/24 13:51*	*8*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-15(1)
Lab Sample ID: 480-218149-8
Date Collected: 03/26/24 11:35
Matrix: Water
Date Received: 03/26/24 13:45

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4500**		88	22	ug/L			03/27/24 20:48	22
Ethane	ND		170	33	ug/L			03/27/24 20:48	22
Ethene	**780**		150	33	ug/L			03/27/24 20:48	22

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	**9.0**	**J**	10.0	1.7	mg/L			03/27/24 21:03	5
Total Organic Carbon (SM 5310C)	**61.0**		10.0	4.3	mg/L			03/30/24 19:37	10

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: FIELD BLANK
Lab Sample ID: 480-218149-9

Date Collected: 03/26/24 12:45
Matrix: Water
Date Received: 03/26/24 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/28/24 01:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/28/24 01:06	1
Chloroethane	ND		1.0	0.32	ug/L			03/28/24 01:06	1
Bromomethane	ND		1.0	0.69	ug/L			03/28/24 01:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/28/24 01:06	1
Acetone	ND		10	3.0	ug/L			03/28/24 01:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/28/24 01:06	1
Methylene Chloride	**0.91**	**J**	1.0	0.44	ug/L			03/28/24 01:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/28/24 01:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/28/24 01:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/28/24 01:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/28/24 01:06	1
Chloroform	ND		1.0	0.34	ug/L			03/28/24 01:06	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/28/24 01:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/28/24 01:06	1
Benzene	ND		1.0	0.41	ug/L			03/28/24 01:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/28/24 01:06	1
Trichloroethene	**0.93**	**J**	1.0	0.46	ug/L			03/28/24 01:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/28/24 01:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/28/24 01:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/28/24 01:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/28/24 01:06	1
Toluene	ND		1.0	0.51	ug/L			03/28/24 01:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/28/24 01:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/28/24 01:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/28/24 01:06	1
2-Hexanone	ND		5.0	1.2	ug/L			03/28/24 01:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/28/24 01:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/28/24 01:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/28/24 01:06	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/28/24 01:06	1
o-Xylene	ND		1.0	0.76	ug/L			03/28/24 01:06	1
Styrene	ND		1.0	0.73	ug/L			03/28/24 01:06	1
Bromoform	ND		1.0	0.26	ug/L			03/28/24 01:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/28/24 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*03/28/24 01:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/28/24 01:06*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/28/24 01:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/28/24 01:06*	*1*

Client Sample ID: DUP-1
Date Collected: 03/25/24 00:00
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/28/24 01:29	1
Chloroethane	ND		1.0	0.32	ug/L			03/28/24 01:29	1
Bromomethane	ND		1.0	0.69	ug/L			03/28/24 01:29	1
1,1-Dichloroethene	**32**		1.0	0.29	ug/L			03/28/24 01:29	1
Acetone	**4.1**	**J**	10	3.0	ug/L			03/28/24 01:29	1
Carbon disulfide	**0.90**	**J**	1.0	0.19	ug/L			03/28/24 01:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/28/24 01:29	1
trans-1,2-Dichloroethene	**90**		1.0	0.90	ug/L			03/28/24 01:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/28/24 01:29	1
Chloroform	ND		1.0	0.34	ug/L			03/28/24 01:29	1
1,1,1-Trichloroethane	**33**		1.0	0.82	ug/L			03/28/24 01:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/28/24 01:29	1
Benzene	**2.9**		1.0	0.41	ug/L			03/28/24 01:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/28/24 01:29	1
Trichloroethene	**15**		1.0	0.46	ug/L			03/28/24 01:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/28/24 01:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/28/24 01:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/28/24 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/28/24 01:29	1
Toluene	**4.9**		1.0	0.51	ug/L			03/28/24 01:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/28/24 01:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/28/24 01:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/28/24 01:29	1
2-Hexanone	ND		5.0	1.2	ug/L			03/28/24 01:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/28/24 01:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/28/24 01:29	1
Ethylbenzene	**6.1**		1.0	0.74	ug/L			03/28/24 01:29	1
m,p-Xylene	**8.7**		2.0	0.66	ug/L			03/28/24 01:29	1
o-Xylene	**8.1**		1.0	0.76	ug/L			03/28/24 01:29	1
Styrene	ND		1.0	0.73	ug/L			03/28/24 01:29	1
Bromoform	ND		1.0	0.26	ug/L			03/28/24 01:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/28/24 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*03/28/24 01:29*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*03/28/24 01:29*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/28/24 01:29*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/28/24 01:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**9200**		200	180	ug/L			03/29/24 17:54	200
1,1-Dichloroethane	**93**	**J**	200	76	ug/L			03/29/24 17:54	200
cis-1,2-Dichloroethene	**4600**		200	160	ug/L			03/29/24 17:54	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*03/29/24 17:54*	*200*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/29/24 17:54*	*200*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*03/29/24 17:54*	*200*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/29/24 17:54*	*200*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DUP-1
Lab Sample ID: 480-218149-10
Date Collected: 03/25/24 00:00
Matrix: Water
Date Received: 03/26/24 13:45

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.2	J	7.5	1.5	ug/L			03/27/24 21:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	5100		180	44	ug/L			03/27/24 22:03	44
Ethene	2400		310	66	ug/L			03/27/24 22:03	44

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	157		10.0	1.7	mg/L			03/27/24 21:21	5
Total Organic Carbon (SM 5310C)	4.6		1.0	0.43	mg/L			03/30/24 20:06	1

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-218149-1	89-10(1)	99	106	102	102
480-218149-2	87-10(1)	100	107	105	104
480-218149-3	DW-9	100	107	103	105
480-218149-4	B-10A(1)	100	103	102	102
480-218149-5	87-14(1)	95	101	100	101
480-218149-6	19-01(1)	99	100	100	100
480-218149-7	87-16(1)	94	101	100	98
480-218149-7 MS	87-16(1)	96	104	104	106
480-218149-7 MSD	87-16(1)	94	99	101	100
480-218149-8	89-15(1)	99	102	99	101
480-218149-8 - DL	89-15(1)	99	106	105	105
480-218149-9	FIELD BLANK	98	101	103	98
480-218149-10	DUP-1	105	92	104	94
480-218149-10 - DL	DUP-1	96	103	99	98
LCS 480-705259/6	Lab Control Sample	96	101	101	104
LCS 480-705342/6	Lab Control Sample	96	101	102	102
LCS 480-705497/6	Lab Control Sample	99	105	107	103
MB 480-705259/8	Method Blank	100	106	101	102
MB 480-705342/19	Method Blank	99	104	101	101
MB 480-705497/8	Method Blank	98	106	101	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-705259/8
Matrix: Water
Analysis Batch: 705259

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/27/24 21:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/27/24 21:15	1
Chloroethane	ND		1.0	0.32	ug/L			03/27/24 21:15	1
Bromomethane	ND		1.0	0.69	ug/L			03/27/24 21:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/27/24 21:15	1
Acetone	ND		10	3.0	ug/L			03/27/24 21:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/27/24 21:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/27/24 21:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/27/24 21:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/27/24 21:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/27/24 21:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/27/24 21:15	1
Chloroform	ND		1.0	0.34	ug/L			03/27/24 21:15	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/27/24 21:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/27/24 21:15	1
Benzene	ND		1.0	0.41	ug/L			03/27/24 21:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/27/24 21:15	1
Trichloroethene	ND		1.0	0.46	ug/L			03/27/24 21:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/27/24 21:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/27/24 21:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/27/24 21:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/27/24 21:15	1
Toluene	ND		1.0	0.51	ug/L			03/27/24 21:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/27/24 21:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/27/24 21:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/27/24 21:15	1
2-Hexanone	ND		5.0	1.2	ug/L			03/27/24 21:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/27/24 21:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/27/24 21:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/27/24 21:15	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/27/24 21:15	1
o-Xylene	ND		1.0	0.76	ug/L			03/27/24 21:15	1
Styrene	ND		1.0	0.73	ug/L			03/27/24 21:15	1
Bromoform	ND		1.0	0.26	ug/L			03/27/24 21:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/27/24 21:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*03/27/24 21:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*03/27/24 21:15*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*03/27/24 21:15*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/27/24 21:15*	*1*

Lab Sample ID: LCS 480-705259/6
Matrix: Water
Analysis Batch: 705259

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			25.0	21.0		ug/L		84	68 - 124		

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

Lab Sample ID: LCS 480-705259/6
Matrix: Water
Analysis Batch: 705259

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.0	21.5		ug/L		86	65 - 133
Chloroethane	25.0	21.8		ug/L		87	69 - 136
Bromomethane	25.0	23.9		ug/L		96	55 - 144
1,1-Dichloroethene	25.0	22.4		ug/L		90	66 - 127
Acetone	125	113		ug/L		90	56 - 142
Carbon disulfide	25.0	22.8		ug/L		91	59 - 134
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
trans-1,2-Dichloroethene	25.0	22.1		ug/L		88	73 - 127
1,1-Dichloroethane	25.0	22.1		ug/L		88	77 - 120
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
Chloroform	25.0	22.7		ug/L		91	73 - 127
1,1,1-Trichloroethane	25.0	21.5		ug/L		86	73 - 126
Carbon tetrachloride	25.0	21.7		ug/L		87	72 - 134
Benzene	25.0	22.7		ug/L		91	71 - 124
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
1,2-Dichloropropane	25.0	23.0		ug/L		92	76 - 120
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
Tetrachloroethene	25.0	21.8		ug/L		87	74 - 122
2-Hexanone	125	126		ug/L		101	65 - 127
Dibromochloromethane	25.0	25.9		ug/L		104	75 - 125
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
m,p-Xylene	25.0	24.4		ug/L		97	76 - 122
o-Xylene	25.0	24.1		ug/L		97	76 - 122
Styrene	25.0	24.2		ug/L		97	80 - 120
Bromoform	25.0	26.8		ug/L		107	61 - 132
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 480-218149-7 MS
Matrix: Water
Analysis Batch: 705259

Client Sample ID: 87-16(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		200000	200000		ug/L		100	68 - 124
Vinyl chloride	ND		200000	202000		ug/L		101	65 - 133

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

Lab Sample ID: 480-218149-7 MS
Matrix: Water
Analysis Batch: 705259

Client Sample ID: 87-16(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	ND		200000	206000		ug/L		103	69 - 136
Bromomethane	ND		200000	204000		ug/L		102	55 - 144
1,1-Dichloroethene	ND		200000	202000		ug/L		101	66 - 127
Acetone	ND		1000000	982000		ug/L		98	56 - 142
Carbon disulfide	ND		200000	210000		ug/L		105	59 - 134
Methylene Chloride	420000	F1	200000	298000	F1	ug/L		-59	75 - 124
trans-1,2-Dichloroethene	ND		200000	199000		ug/L		99	73 - 127
1,1-Dichloroethane	ND		200000	199000		ug/L		100	77 - 120
cis-1,2-Dichloroethene	95000	F1	200000	231000	F1	ug/L		68	74 - 124
2-Butanone (MEK)	ND		1000000	1050000		ug/L		105	57 - 140
Chloroform	ND		200000	194000		ug/L		97	73 - 127
1,1,1-Trichloroethane	ND		200000	192000		ug/L		96	73 - 126
Carbon tetrachloride	ND		200000	201000		ug/L		101	72 - 134
Benzene	ND		200000	200000		ug/L		100	71 - 124
1,2-Dichloroethane	ND		200000	189000		ug/L		94	75 - 120
Trichloroethene	330000	F1	200000	274000	F1	ug/L		-29	74 - 123
1,2-Dichloropropane	ND		200000	195000		ug/L		98	76 - 120
Bromodichloromethane	ND		200000	199000		ug/L		99	80 - 122
cis-1,3-Dichloropropene	ND		200000	204000		ug/L		102	74 - 124
4-Methyl-2-pentanone (MIBK)	ND		1000000	1050000		ug/L		105	71 - 125
Toluene	ND		200000	205000		ug/L		103	80 - 122
trans-1,3-Dichloropropene	ND		200000	203000		ug/L		101	80 - 120
1,1,2-Trichloroethane	ND		200000	205000		ug/L		103	76 - 122
Tetrachloroethene	ND		200000	203000		ug/L		102	74 - 122
2-Hexanone	ND		1000000	1100000		ug/L		110	65 - 127
Dibromochloromethane	ND		200000	218000		ug/L		109	75 - 125
Chlorobenzene	ND		200000	211000		ug/L		105	80 - 120
Ethylbenzene	ND		200000	204000		ug/L		102	77 - 123
m,p-Xylene	ND		200000	215000		ug/L		107	76 - 122
o-Xylene	ND		200000	210000		ug/L		105	76 - 122
Styrene	ND		200000	209000		ug/L		104	80 - 120
Bromoform	ND		200000	208000		ug/L		104	61 - 132
1,1,2,2-Tetrachloroethane	ND		200000	203000		ug/L		102	76 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 480-218149-7 MSD
Matrix: Water
Analysis Batch: 705259

Client Sample ID: 87-16(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	ND		200000	182000		ug/L		91	68 - 124	10	15
Vinyl chloride	ND		200000	184000		ug/L		92	65 - 133	9	15
Chloroethane	ND		200000	187000		ug/L		94	69 - 136	9	15

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

Lab Sample ID: 480-218149-7 MSD
Matrix: Water
Analysis Batch: 705259

Client Sample ID: 87-16(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	ND		200000	192000		ug/L		96	55 - 144	6	15
1,1-Dichloroethene	ND		200000	196000		ug/L		98	66 - 127	3	16
Acetone	ND		1000000	956000		ug/L		96	56 - 142	3	15
Carbon disulfide	ND		200000	203000		ug/L		101	59 - 134	4	15
Methylene Chloride	420000	F1	200000	308000	F1	ug/L		-54	75 - 124	3	15
trans-1,2-Dichloroethene	ND		200000	190000		ug/L		95	73 - 127	5	20
1,1-Dichloroethane	ND		200000	187000		ug/L		94	77 - 120	6	20
cis-1,2-Dichloroethene	95000	F1	200000	220000	F1	ug/L		62	74 - 124	5	15
2-Butanone (MEK)	ND		1000000	1010000		ug/L		101	57 - 140	4	20
Chloroform	ND		200000	184000		ug/L		92	73 - 127	5	20
1,1,1-Trichloroethane	ND		200000	182000		ug/L		91	73 - 126	5	15
Carbon tetrachloride	ND		200000	188000		ug/L		94	72 - 134	7	15
Benzene	ND		200000	189000		ug/L		94	71 - 124	6	13
1,2-Dichloroethane	ND		200000	186000		ug/L		93	75 - 120	2	20
Trichloroethene	330000	F1	200000	257000	F1	ug/L		-37	74 - 123	7	16
1,2-Dichloropropane	ND		200000	191000		ug/L		96	76 - 120	2	20
Bromodichloromethane	ND		200000	196000		ug/L		98	80 - 122	1	15
cis-1,3-Dichloropropene	ND		200000	198000		ug/L		99	74 - 124	3	15
4-Methyl-2-pentanone (MIBK)	ND		1000000	995000		ug/L		99	71 - 125	6	35
Toluene	ND		200000	193000		ug/L		97	80 - 122	6	15
trans-1,3-Dichloropropene	ND		200000	197000		ug/L		99	80 - 120	3	15
1,1,2-Trichloroethane	ND		200000	197000		ug/L		99	76 - 122	4	15
Tetrachloroethene	ND		200000	181000		ug/L		90	74 - 122	12	20
2-Hexanone	ND		1000000	1020000		ug/L		102	65 - 127	7	15
Dibromochloromethane	ND		200000	207000		ug/L		104	75 - 125	5	15
Chlorobenzene	ND		200000	193000		ug/L		96	80 - 120	9	25
Ethylbenzene	ND		200000	188000		ug/L		94	77 - 123	8	15
m,p-Xylene	ND		200000	195000		ug/L		97	76 - 122	10	16
o-Xylene	ND		200000	191000		ug/L		96	76 - 122	9	16
Styrene	ND		200000	192000		ug/L		96	80 - 120	9	20
Bromoform	ND		200000	215000		ug/L		107	61 - 132	3	15
1,1,2,2-Tetrachloroethane	ND		200000	195000		ug/L		98	76 - 120	4	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 480-705342/19
Matrix: Water
Analysis Batch: 705342

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/28/24 13:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/28/24 13:01	1
Chloroethane	ND		1.0	0.32	ug/L			03/28/24 13:01	1
Bromomethane	ND		1.0	0.69	ug/L			03/28/24 13:01	1

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

Lab Sample ID: MB 480-705342/19
Matrix: Water
Analysis Batch: 705342

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/28/24 13:01	1
Acetone	ND		10	3.0	ug/L			03/28/24 13:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/28/24 13:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/28/24 13:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/28/24 13:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/28/24 13:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/28/24 13:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/28/24 13:01	1
Chloroform	ND		1.0	0.34	ug/L			03/28/24 13:01	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/28/24 13:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/28/24 13:01	1
Benzene	ND		1.0	0.41	ug/L			03/28/24 13:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/28/24 13:01	1
Trichloroethene	ND		1.0	0.46	ug/L			03/28/24 13:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/28/24 13:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/28/24 13:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/28/24 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/28/24 13:01	1
Toluene	ND		1.0	0.51	ug/L			03/28/24 13:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/28/24 13:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/28/24 13:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/28/24 13:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/28/24 13:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/28/24 13:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/28/24 13:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/28/24 13:01	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/28/24 13:01	1
o-Xylene	ND		1.0	0.76	ug/L			03/28/24 13:01	1
Styrene	ND		1.0	0.73	ug/L			03/28/24 13:01	1
Bromoform	ND		1.0	0.26	ug/L			03/28/24 13:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/28/24 13:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*03/28/24 13:01*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/28/24 13:01*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*03/28/24 13:01*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/28/24 13:01*	*1*

Lab Sample ID: LCS 480-705342/6
Matrix: Water
Analysis Batch: 705342

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	26.9		ug/L		107	68 - 124
Vinyl chloride	25.0	25.6		ug/L		103	65 - 133
Chloroethane	25.0	25.6		ug/L		102	69 - 136
Bromomethane	25.0	26.8		ug/L		107	55 - 144
1,1-Dichloroethene	25.0	23.5		ug/L		94	66 - 127

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

Lab Sample ID: LCS 480-705342/6
Matrix: Water
Analysis Batch: 705342

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	125	113		ug/L		90	56 - 142
Carbon disulfide	25.0	25.1		ug/L		100	59 - 134
Methylene Chloride	25.0	25.9		ug/L		103	75 - 124
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
2-Butanone (MEK)	125	115		ug/L		92	57 - 140
Chloroform	25.0	22.8		ug/L		91	73 - 127
1,1,1-Trichloroethane	25.0	22.8		ug/L		91	73 - 126
Carbon tetrachloride	25.0	23.4		ug/L		94	72 - 134
Benzene	25.0	23.1		ug/L		93	71 - 124
1,2-Dichloroethane	25.0	22.4		ug/L		89	75 - 120
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
1,2-Dichloropropane	25.0	22.7		ug/L		91	76 - 120
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,3-Dichloropropene	25.0	25.4		ug/L		102	80 - 120
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
Tetrachloroethene	25.0	23.1		ug/L		93	74 - 122
2-Hexanone	125	122		ug/L		97	65 - 127
Dibromochloromethane	25.0	26.7		ug/L		107	75 - 125
Chlorobenzene	25.0	24.1		ug/L		97	80 - 120
Ethylbenzene	25.0	23.4		ug/L		94	77 - 123
m,p-Xylene	25.0	24.3		ug/L		97	76 - 122
o-Xylene	25.0	23.5		ug/L		94	76 - 122
Styrene	25.0	24.0		ug/L		96	80 - 120
Bromoform	25.0	26.3		ug/L		105	61 - 132
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 480-705497/8
Matrix: Water
Analysis Batch: 705497

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/29/24 13:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/29/24 13:45	1
Chloroethane	ND		1.0	0.32	ug/L			03/29/24 13:45	1
Bromomethane	ND		1.0	0.69	ug/L			03/29/24 13:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/29/24 13:45	1
Acetone	ND		10	3.0	ug/L			03/29/24 13:45	1

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

Lab Sample ID: MB 480-705497/8
Matrix: Water
Analysis Batch: 705497

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/29/24 13:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/29/24 13:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/29/24 13:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/29/24 13:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/29/24 13:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/29/24 13:45	1
Chloroform	ND		1.0	0.34	ug/L			03/29/24 13:45	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/29/24 13:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/29/24 13:45	1
Benzene	ND		1.0	0.41	ug/L			03/29/24 13:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/29/24 13:45	1
Trichloroethene	ND		1.0	0.46	ug/L			03/29/24 13:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/29/24 13:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/29/24 13:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/29/24 13:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/29/24 13:45	1
Toluene	ND		1.0	0.51	ug/L			03/29/24 13:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/29/24 13:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/29/24 13:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/29/24 13:45	1
2-Hexanone	ND		5.0	1.2	ug/L			03/29/24 13:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/29/24 13:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/29/24 13:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/29/24 13:45	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/29/24 13:45	1
o-Xylene	ND		1.0	0.76	ug/L			03/29/24 13:45	1
Styrene	ND		1.0	0.73	ug/L			03/29/24 13:45	1
Bromoform	ND		1.0	0.26	ug/L			03/29/24 13:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/29/24 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*03/29/24 13:45*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*03/29/24 13:45*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*03/29/24 13:45*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/29/24 13:45*	*1*

Lab Sample ID: LCS 480-705497/6
Matrix: Water
Analysis Batch: 705497

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	25.5		ug/L		102	68 - 124
Vinyl chloride	25.0	25.2		ug/L		101	65 - 133
Chloroethane	25.0	25.1		ug/L		100	69 - 136
Bromomethane	25.0	27.1		ug/L		108	55 - 144
1,1-Dichloroethene	25.0	23.7		ug/L		95	66 - 127
Acetone	125	120		ug/L		96	56 - 142
Carbon disulfide	25.0	24.1		ug/L		97	59 - 134

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

Lab Sample ID: LCS 480-705497/6
Matrix: Water
Analysis Batch: 705497

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	24.4		ug/L		97	75 - 124
trans-1,2-Dichloroethene	25.0	22.9		ug/L		91	73 - 127
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
Chloroform	25.0	22.5		ug/L		90	73 - 127
1,1,1-Trichloroethane	25.0	22.2		ug/L		89	73 - 126
Carbon tetrachloride	25.0	24.2		ug/L		97	72 - 134
Benzene	25.0	23.1		ug/L		92	71 - 124
1,2-Dichloroethane	25.0	22.4		ug/L		90	75 - 120
Trichloroethene	25.0	22.9		ug/L		91	74 - 123
1,2-Dichloropropane	25.0	22.8		ug/L		91	76 - 120
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	80 - 120
1,1,2-Trichloroethane	25.0	23.1		ug/L		93	76 - 122
Tetrachloroethene	25.0	22.9		ug/L		92	74 - 122
2-Hexanone	125	124		ug/L		99	65 - 127
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chlorobenzene	25.0	24.4		ug/L		97	80 - 120
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
m,p-Xylene	25.0	24.1		ug/L		96	76 - 122
o-Xylene	25.0	24.2		ug/L		97	76 - 122
Styrene	25.0	24.1		ug/L		96	80 - 120
Bromoform	25.0	25.7		ug/L		103	61 - 132
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-705271/3
Matrix: Water
Analysis Batch: 705271

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			03/27/24 16:41	1
Ethane	ND		7.5	1.5	ug/L			03/27/24 16:41	1
Ethene	ND		7.0	1.5	ug/L			03/27/24 16:41	1

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

Lab Sample ID: LCS 480-705271/4
Matrix: Water
Analysis Batch: 705271

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane			19.5	19.7		ug/L		101	85 - 120		
Ethane			36.5	37.2		ug/L		102	79 - 120		
Ethene			34.0	33.3		ug/L		98	85 - 120		

Lab Sample ID: LCSD 480-705271/5
Matrix: Water
Analysis Batch: 705271

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane			19.5	18.8		ug/L		96	85 - 120	5	50
Ethane			36.5	35.2		ug/L		96	79 - 120	6	50
Ethene			34.0	32.5		ug/L		96	85 - 120	3	50

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 480-705222/4
Matrix: Water
Analysis Batch: 705222

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			03/27/24 15:58	1

Lab Sample ID: LCS 480-705222/5
Matrix: Water
Analysis Batch: 705222

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			50.1	50.09		mg/L		100	90 - 110		

Lab Sample ID: 480-218149-2 MS
Matrix: Water
Analysis Batch: 705222

Client Sample ID: 87-10(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	1190		501	1630		mg/L		88	80 - 120		

Lab Sample ID: 480-218149-2 MSD
Matrix: Water
Analysis Batch: 705222

Client Sample ID: 87-10(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1190		501	1629		mg/L		88	80 - 120	0	15

Method: SM 5310C - TOC

Lab Sample ID: MB 480-705706/28
Matrix: Water
Analysis Batch: 705706

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			03/29/24 23:56	1

Lab Sample ID: MB 480-705706/4
Matrix: Water
Analysis Batch: 705706

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			03/29/24 12:03	1

Lab Sample ID: MB 480-705706/52
Matrix: Water
Analysis Batch: 705706

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			03/30/24 11:45	1

Lab Sample ID: LCS 480-705706/29
Matrix: Water
Analysis Batch: 705706

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	58.40		mg/L		97	90 - 110

Lab Sample ID: LCS 480-705706/5
Matrix: Water
Analysis Batch: 705706

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	58.05		mg/L		97	90 - 110

Lab Sample ID: LCS 480-705706/53
Matrix: Water
Analysis Batch: 705706

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	56.89		mg/L		95	90 - 110

Lab Sample ID: MB 480-706475/4
Matrix: Water
Analysis Batch: 706475

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/02/24 15:06	1

Lab Sample ID: LCS 480-706475/5
Matrix: Water
Analysis Batch: 706475

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	55.73		mg/L		93	90 - 110

GC/MS VOA

Analysis Batch: 705259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218149-1	89-10(1)	Total/NA	Water	8260C	
480-218149-2	87-10(1)	Total/NA	Water	8260C	
480-218149-3	DW-9	Total/NA	Water	8260C	
480-218149-4	B-10A(1)	Total/NA	Water	8260C	
480-218149-5	87-14(1)	Total/NA	Water	8260C	
480-218149-6	19-01(1)	Total/NA	Water	8260C	
480-218149-7	87-16(1)	Total/NA	Water	8260C	
480-218149-8	89-15(1)	Total/NA	Water	8260C	
480-218149-9	FIELD BLANK	Total/NA	Water	8260C	
480-218149-10	DUP-1	Total/NA	Water	8260C	
MB 480-705259/8	Method Blank	Total/NA	Water	8260C	
LCS 480-705259/6	Lab Control Sample	Total/NA	Water	8260C	
480-218149-7 MS	87-16(1)	Total/NA	Water	8260C	
480-218149-7 MSD	87-16(1)	Total/NA	Water	8260C	

Analysis Batch: 705342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218149-8 - DL	89-15(1)	Total/NA	Water	8260C	
MB 480-705342/19	Method Blank	Total/NA	Water	8260C	
LCS 480-705342/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 705497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218149-10 - DL	DUP-1	Total/NA	Water	8260C	
MB 480-705497/8	Method Blank	Total/NA	Water	8260C	
LCS 480-705497/6	Lab Control Sample	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 705271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218149-1	89-10(1)	Total/NA	Water	RSK-175	
480-218149-2	87-10(1)	Total/NA	Water	RSK-175	
480-218149-3	DW-9	Total/NA	Water	RSK-175	
480-218149-4	B-10A(1)	Total/NA	Water	RSK-175	
480-218149-4 - DL	B-10A(1)	Total/NA	Water	RSK-175	
480-218149-5	87-14(1)	Total/NA	Water	RSK-175	
480-218149-6	19-01(1)	Total/NA	Water	RSK-175	
480-218149-7	87-16(1)	Total/NA	Water	RSK-175	
480-218149-8	89-15(1)	Total/NA	Water	RSK-175	
480-218149-10	DUP-1	Total/NA	Water	RSK-175	
480-218149-10 - DL	DUP-1	Total/NA	Water	RSK-175	
MB 480-705271/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-705271/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-705271/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 705222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218149-1	89-10(1)	Total/NA	Water	9056A	
480-218149-2	87-10(1)	Total/NA	Water	9056A	

General Chemistry (Continued)

Analysis Batch: 705222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218149-3	DW-9	Total/NA	Water	9056A	
480-218149-4	B-10A(1)	Total/NA	Water	9056A	
480-218149-5	87-14(1)	Total/NA	Water	9056A	
480-218149-6	19-01(1)	Total/NA	Water	9056A	
480-218149-7	87-16(1)	Total/NA	Water	9056A	
480-218149-8	89-15(1)	Total/NA	Water	9056A	
480-218149-10	DUP-1	Total/NA	Water	9056A	
MB 480-705222/4	Method Blank	Total/NA	Water	9056A	
LCS 480-705222/5	Lab Control Sample	Total/NA	Water	9056A	
480-218149-2 MS	87-10(1)	Total/NA	Water	9056A	
480-218149-2 MSD	87-10(1)	Total/NA	Water	9056A	

Analysis Batch: 705706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218149-1	89-10(1)	Total/NA	Water	SM 5310C	
480-218149-2	87-10(1)	Total/NA	Water	SM 5310C	
480-218149-3	DW-9	Total/NA	Water	SM 5310C	
480-218149-4	B-10A(1)	Total/NA	Water	SM 5310C	
480-218149-7	87-16(1)	Total/NA	Water	SM 5310C	
480-218149-8	89-15(1)	Total/NA	Water	SM 5310C	
480-218149-10	DUP-1	Total/NA	Water	SM 5310C	
MB 480-705706/28	Method Blank	Total/NA	Water	SM 5310C	
MB 480-705706/4	Method Blank	Total/NA	Water	SM 5310C	
MB 480-705706/52	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-705706/29	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 480-705706/5	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 480-705706/53	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 706475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218149-5	87-14(1)	Total/NA	Water	SM 5310C	
480-218149-6	19-01(1)	Total/NA	Water	SM 5310C	
MB 480-706475/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-706475/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-218149-1

Client Sample ID: 89-10(1)
Date Collected: 03/24/24 15:15
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	705259	CC	EET BUF	03/27/24 22:01
Total/NA	Analysis	RSK-175		1	705271	MAN	EET BUF	03/27/24 21:25
Total/NA	Analysis	9056A		10	705222	AF	EET BUF	03/27/24 17:46
Total/NA	Analysis	SM 5310C		5	705706	AF	EET BUF	03/30/24 09:16

Client Sample ID: 87-10(1)
Date Collected: 03/24/24 17:15
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	705259	CC	EET BUF	03/27/24 22:24
Total/NA	Analysis	RSK-175		11	705271	MAN	EET BUF	03/27/24 18:53
Total/NA	Analysis	9056A		10	705222	AF	EET BUF	03/27/24 18:03
Total/NA	Analysis	SM 5310C		1	705706	AF	EET BUF	03/30/24 09:46

Client Sample ID: DW-9
Date Collected: 03/25/24 09:50
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	705259	CC	EET BUF	03/27/24 22:47
Total/NA	Analysis	RSK-175		1	705271	MAN	EET BUF	03/27/24 19:12
Total/NA	Analysis	9056A		2	705222	AF	EET BUF	03/27/24 19:33
Total/NA	Analysis	SM 5310C		1	705706	AF	EET BUF	03/30/24 10:15

Client Sample ID: B-10A(1)
Date Collected: 03/25/24 11:05
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		400	705259	CC	EET BUF	03/27/24 23:10
Total/NA	Analysis	RSK-175		11	705271	MAN	EET BUF	03/27/24 19:31
Total/NA	Analysis	RSK-175	DL	44	705271	MAN	EET BUF	03/27/24 21:44
Total/NA	Analysis	9056A		5	705222	AF	EET BUF	03/27/24 19:51
Total/NA	Analysis	SM 5310C		1	705706	AF	EET BUF	03/30/24 14:42

Client Sample ID: 87-14(1)
Date Collected: 03/25/24 15:30
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		400	705259	CC	EET BUF	03/27/24 23:33
Total/NA	Analysis	RSK-175		44	705271	MAN	EET BUF	03/27/24 19:50
Total/NA	Analysis	9056A		20	705222	AF	EET BUF	03/27/24 20:09

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-218149-1

Client Sample ID: 87-14(1)
Date Collected: 03/25/24 15:30
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 5310C		40	706475	AF	EET BUF	04/02/24 18:25

Client Sample ID: 19-01(1)
Date Collected: 03/26/24 08:40
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	705259	CC	EET BUF	03/27/24 23:57
Total/NA	Analysis	RSK-175		44	705271	MAN	EET BUF	03/27/24 20:09
Total/NA	Analysis	9056A		20	705222	AF	EET BUF	03/27/24 20:27
Total/NA	Analysis	SM 5310C		100	706475	AF	EET BUF	04/02/24 18:53

Client Sample ID: 87-16(1)
Date Collected: 03/26/24 09:55
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8000	705259	CC	EET BUF	03/28/24 00:20
Total/NA	Analysis	RSK-175		22	705271	MAN	EET BUF	03/27/24 20:28
Total/NA	Analysis	9056A		10	705222	AF	EET BUF	03/27/24 20:45
Total/NA	Analysis	SM 5310C		1	705706	AF	EET BUF	03/30/24 16:10

Client Sample ID: 89-15(1)
Date Collected: 03/26/24 11:35
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	705259	CC	EET BUF	03/28/24 00:43
Total/NA	Analysis	8260C	DL	8	705342	ERS	EET BUF	03/28/24 13:51
Total/NA	Analysis	RSK-175		22	705271	MAN	EET BUF	03/27/24 20:48
Total/NA	Analysis	9056A		5	705222	AF	EET BUF	03/27/24 21:03
Total/NA	Analysis	SM 5310C		10	705706	AF	EET BUF	03/30/24 19:37

Client Sample ID: FIELD BLANK
Date Collected: 03/26/24 12:45
Date Received: 03/26/24 13:45

Lab Sample ID: 480-218149-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	705259	CC	EET BUF	03/28/24 01:06

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DUP-1
Lab Sample ID: 480-218149-10

Date Collected: 03/25/24 00:00
Matrix: Water

Date Received: 03/26/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	705259	CC	EET BUF	03/28/24 01:29
Total/NA	Analysis	8260C	DL	200	705497	ZN	EET BUF	03/29/24 17:54
Total/NA	Analysis	RSK-175		1	705271	MAN	EET BUF	03/27/24 21:07
Total/NA	Analysis	RSK-175	DL	44	705271	MAN	EET BUF	03/27/24 22:03
Total/NA	Analysis	9056A		5	705222	AF	EET BUF	03/27/24 21:21
Total/NA	Analysis	SM 5310C		1	705706	AF	EET BUF	03/30/24 20:06

Laboratory References:

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
9056A	Anions, Ion Chromatography	SW846	EET BUF
SM 5310C	TOC	SM	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-218149-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218149-1	89-10(1)	Water	03/24/24 15:15	03/26/24 13:45
480-218149-2	87-10(1)	Water	03/24/24 17:15	03/26/24 13:45
480-218149-3	DW-9	Water	03/25/24 09:50	03/26/24 13:45
480-218149-4	B-10A(1)	Water	03/25/24 11:05	03/26/24 13:45
480-218149-5	87-14(1)	Water	03/25/24 15:30	03/26/24 13:45
480-218149-6	19-01(1)	Water	03/26/24 08:40	03/26/24 13:45
480-218149-7	87-16(1)	Water	03/26/24 09:55	03/26/24 13:45
480-218149-8	89-15(1)	Water	03/26/24 11:35	03/26/24 13:45
480-218149-9	FIELD BLANK	Water	03/26/24 12:45	03/26/24 13:45
480-218149-10	DUP-1	Water	03/25/24 00:00	03/26/24 13:45

Chain of Custody Record

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10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmeric

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	_____ of _____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(412) 858-1654 FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron Bioremediation Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
P O # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
89-10(1)	3/24/24	1515	G	W	10	N	N	X	X	X	X	
87-1C(1)	"	1715	G	W	9	N	N	X	X	X	X	
DW-9	3/25/24	0950	G	W	10	N	N	X	X	X	X	
B-10A(1)	"	1105	G	W	10	N	N	X	X	X	X	
87-14(1)	"	1530	G	W	10	N	N	X	X	X	X	
19-01(1)	3/26/24	0840	G	W	10	N	N	X	X	X	X	
87-16(1)	"	0955	G	W	10	N	N	X	X	X	X	
87-16(1) MS	"	"	G	W	3 ~~10~~	N	N	X				
87-16(1) MSD	"	"	G	W	3 ~~10~~	N	N	X				
89-15(1)	"	1135	G	W	10	N	N	X	X	X		
FIELD BLANK	3/26/25	1245	G	W	3	N	N	X				
DUP-1	3/25/24	—	G	W	10	N	N	X	X	X	X	

480-218149 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

4.4 # ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by: Kevin Cronin	Company: APTIM	Date/Time: 3/26/24 1345	Received by: C Wallace	Company: TAB	Date/Time: 3/26/24 1345
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-218149-1

Login Number: 218149
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

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JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-219379-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization



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Authorized for release by
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Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

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

Metals

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

Glossary

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

Job ID: 480-219379-1 Eurofins Buffalo

Job Narrative
480-219379-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/30/2024 1:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

GC/MS VOA
Method 624_5ml_UP_3day: The continuing calibration verification (CCV) associated with batch 480-710163 recovered above the upper control limit for Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK (480-219379-5) and MH 9-3 LAB COMPOSITE (480-219379-6).

Method 624_5ml_UP_3day: The following Volatile sample was composited by the laboratory on 05/01/2024 as requested by the client: MH 9-3 LAB COMPOSITE (480-219379-6).
Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

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

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3
Lab Sample ID: 480-219379-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.29	J	0.50	0.14	ng/L	1		1631E	Total/NA

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-219379-5

No Detections.

Client Sample ID: MH 9-3 LAB COMPOSITE
Lab Sample ID: 480-219379-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	9.1	J	10	3.2	ug/L	1		624	Total/NA
Vinyl chloride	3.9	J	5.0	0.75	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3
Lab Sample ID: 480-219379-1
Date Collected: 04/29/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.29	J	0.50	0.14	ng/L		05/03/24 15:30	05/06/24 15:08	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-219379-5

Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 13:15

Method: EPA 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/01/24 15:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/01/24 15:25	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/01/24 15:25	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/01/24 15:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/01/24 15:25	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/01/24 15:25	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/01/24 15:25	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/01/24 15:25	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/01/24 15:25	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/01/24 15:25	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/01/24 15:25	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/01/24 15:25	1
Acrolein	ND		100	17	ug/L			05/01/24 15:25	1
Acrylonitrile	ND		50	1.9	ug/L			05/01/24 15:25	1
Benzene	ND		5.0	0.60	ug/L			05/01/24 15:25	1
Bromoform	ND		5.0	0.47	ug/L			05/01/24 15:25	1
Bromomethane	ND		5.0	1.2	ug/L			05/01/24 15:25	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/01/24 15:25	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/01/24 15:25	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/01/24 15:25	1
Chloroethane	ND		5.0	0.87	ug/L			05/01/24 15:25	1
Chloroform	ND		5.0	0.54	ug/L			05/01/24 15:25	1
Chloromethane	ND		5.0	0.64	ug/L			05/01/24 15:25	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/01/24 15:25	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/01/24 15:25	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/01/24 15:25	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/01/24 15:25	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/01/24 15:25	1
Toluene	ND		5.0	0.45	ug/L			05/01/24 15:25	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/01/24 15:25	1
Trichloroethene	ND		5.0	0.60	ug/L			05/01/24 15:25	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/01/24 15:25	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/01/24 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*68 - 130*		*05/01/24 15:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*05/01/24 15:25*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*05/01/24 15:25*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*05/01/24 15:25*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3 LAB COMPOSITE
Lab Sample ID: 480-219379-6

Date Collected: 04/30/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Method: EPA 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/01/24 15:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/01/24 15:50	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/01/24 15:50	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/01/24 15:50	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/01/24 15:50	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/01/24 15:50	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/01/24 15:50	1
1,2-Dichloroethene, Total	**9.1**	**J**	10	3.2	ug/L			05/01/24 15:50	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/01/24 15:50	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/01/24 15:50	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/01/24 15:50	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/01/24 15:50	1
Acrolein	ND		100	17	ug/L			05/01/24 15:50	1
Acrylonitrile	ND		50	1.9	ug/L			05/01/24 15:50	1
Benzene	ND		5.0	0.60	ug/L			05/01/24 15:50	1
Bromoform	ND		5.0	0.47	ug/L			05/01/24 15:50	1
Bromomethane	ND		5.0	1.2	ug/L			05/01/24 15:50	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/01/24 15:50	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/01/24 15:50	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/01/24 15:50	1
Chloroethane	ND		5.0	0.87	ug/L			05/01/24 15:50	1
Chloroform	ND		5.0	0.54	ug/L			05/01/24 15:50	1
Chloromethane	ND		5.0	0.64	ug/L			05/01/24 15:50	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/01/24 15:50	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/01/24 15:50	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/01/24 15:50	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/01/24 15:50	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/01/24 15:50	1
Toluene	ND		5.0	0.45	ug/L			05/01/24 15:50	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/01/24 15:50	1
Trichloroethene	ND		5.0	0.60	ug/L			05/01/24 15:50	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/01/24 15:50	1
Vinyl chloride	**3.9**	**J**	5.0	0.75	ug/L			05/01/24 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*68 - 130*		*05/01/24 15:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*05/01/24 15:50*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*05/01/24 15:50*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/01/24 15:50*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-219379-5	TRIP BLANK	120	100	96	111
480-219379-6	MH 9-3 LAB COMPOSITE	116	99	94	106
LCS 480-710163/6	Lab Control Sample	116	100	93	107
MB 480-710163/8	Method Blank	116	98	94	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-710163/8
Matrix: Water
Analysis Batch: 710163

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/01/24 13:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/01/24 13:48	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/01/24 13:48	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/01/24 13:48	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/01/24 13:48	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/01/24 13:48	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/01/24 13:48	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/01/24 13:48	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/01/24 13:48	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/01/24 13:48	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/01/24 13:48	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/01/24 13:48	1
Acrolein	ND		100	17	ug/L			05/01/24 13:48	1
Acrylonitrile	ND		50	1.9	ug/L			05/01/24 13:48	1
Benzene	ND		5.0	0.60	ug/L			05/01/24 13:48	1
Bromoform	ND		5.0	0.47	ug/L			05/01/24 13:48	1
Bromomethane	ND		5.0	1.2	ug/L			05/01/24 13:48	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/01/24 13:48	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/01/24 13:48	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/01/24 13:48	1
Chloroethane	ND		5.0	0.87	ug/L			05/01/24 13:48	1
Chloroform	ND		5.0	0.54	ug/L			05/01/24 13:48	1
Chloromethane	ND		5.0	0.64	ug/L			05/01/24 13:48	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/01/24 13:48	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/01/24 13:48	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/01/24 13:48	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/01/24 13:48	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/01/24 13:48	1
Toluene	ND		5.0	0.45	ug/L			05/01/24 13:48	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/01/24 13:48	1
Trichloroethene	ND		5.0	0.60	ug/L			05/01/24 13:48	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/01/24 13:48	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/01/24 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*68 - 130*		*05/01/24 13:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*05/01/24 13:48*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*05/01/24 13:48*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/01/24 13:48*	*1*

Lab Sample ID: LCS 480-710163/6
Matrix: Water
Analysis Batch: 710163

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	23.6		ug/L		118	52 - 162
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	46 - 157
1,1,2-Trichloroethane	20.0	19.3		ug/L		96	52 - 150

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-710163/6
Matrix: Water
Analysis Batch: 710163

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	20.0	21.1		ug/L		105	59 - 155
1,1-Dichloroethene	20.0	22.6		ug/L		113	1 - 234
1,2-Dichlorobenzene	20.0	19.9		ug/L		100	18 - 190
1,2-Dichloroethane	20.0	24.0		ug/L		120	49 - 155
1,2-Dichloropropane	20.0	20.7		ug/L		104	1 - 210
1,3-Dichlorobenzene	20.0	20.5		ug/L		103	59 - 156
1,4-Dichlorobenzene	20.0	20.7		ug/L		103	18 - 190
2-Chloroethyl vinyl ether	20.0	22.1	J	ug/L		111	1 - 305
Acrolein	100	108		ug/L		108	10 - 176
Acrylonitrile	200	221		ug/L		111	54 - 147
Benzene	20.0	20.5		ug/L		102	37 - 151
Bromoform	20.0	25.4		ug/L		127	45 - 169
Bromomethane	20.0	15.8		ug/L		79	1 - 242
Carbon tetrachloride	20.0	23.5		ug/L		117	70 - 140
Chlorobenzene	20.0	19.9		ug/L		100	37 - 160
Dibromochloromethane	20.0	22.3		ug/L		111	53 - 149
Chloroethane	20.0	21.4		ug/L		107	14 - 230
Chloroform	20.0	22.6		ug/L		113	51 - 138
Chloromethane	20.0	24.8		ug/L		124	1 - 273
cis-1,3-Dichloropropene	20.0	21.1		ug/L		106	1 - 227
Bromodichloromethane	20.0	23.8		ug/L		119	35 - 155
Ethylbenzene	20.0	20.7		ug/L		103	37 - 162
Methylene Chloride	20.0	21.1		ug/L		106	1 - 221
Tetrachloroethene	20.0	23.4		ug/L		117	64 - 148
Toluene	20.0	19.9		ug/L		100	47 - 150
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	17 - 183
Trichloroethene	20.0	22.5		ug/L		112	71 - 157
Trichlorofluoromethane	20.0	25.5		ug/L		127	17 - 181
Vinyl chloride	20.0	17.2		ug/L		86	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*68 - 130*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*
Toluene-d8 (Surr)	*93*		*77 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 240-611848/1-A
Matrix: Water
Analysis Batch: 612110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.50	0.14	ng/L		05/03/24 15:30	05/06/24 13:51	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: LCS 240-611848/2-A
Matrix: Water
Analysis Batch: 612110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.72		ng/L		114	77 - 123

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

GC/MS VOA

Analysis Batch: 710163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219379-5	TRIP BLANK	Total/NA	Water	624	
480-219379-6	MH 9-3 LAB COMPOSITE	Total/NA	Water	624	
MB 480-710163/8	Method Blank	Total/NA	Water	624	
LCS 480-710163/6	Lab Control Sample	Total/NA	Water	624	

Metals

Prep Batch: 611848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219379-1	MH 9-3	Total/NA	Water	1631E	
MB 240-611848/1-A	Method Blank	Total/NA	Water	1631E	
LCS 240-611848/2-A	Lab Control Sample	Total/NA	Water	1631E	

Analysis Batch: 612110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219379-1	MH 9-3	Total/NA	Water	1631E	611848
MB 240-611848/1-A	Method Blank	Total/NA	Water	1631E	611848
LCS 240-611848/2-A	Lab Control Sample	Total/NA	Water	1631E	611848

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3
Lab Sample ID: 480-219379-1
Date Collected: 04/29/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1631E			611848	TQ6W	EET CLE	05/03/24 15:30
Total/NA	Analysis	1631E		1	612110	TQ6W	EET CLE	05/06/24 15:08

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-219379-5
Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624		1	710163	AXK	EET BUF	05/01/24 15:25

Client Sample ID: MH 9-3 LAB COMPOSITE
Lab Sample ID: 480-219379-6
Date Collected: 04/30/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624		1	710163	AXK	EET BUF	05/01/24 15:50

Laboratory References:

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

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,1,1-Trichloroethane
624		Water	1,1,2,2-Tetrachloroethane
624		Water	1,1,2-Trichloroethane
624		Water	1,1-Dichloroethane
624		Water	1,1-Dichloroethene
624		Water	1,2-Dichlorobenzene
624		Water	1,2-Dichloroethane
624		Water	1,2-Dichloroethene, Total
624		Water	1,2-Dichloropropane
624		Water	1,3-Dichlorobenzene
624		Water	1,4-Dichlorobenzene
624		Water	2-Chloroethyl vinyl ether
624		Water	Acrolein
624		Water	Acrylonitrile
624		Water	Benzene
624		Water	Bromodichloromethane
624		Water	Bromoform
624		Water	Bromomethane
624		Water	Carbon tetrachloride
624		Water	Chlorobenzene
624		Water	Chloroethane
624		Water	Chloroform
624		Water	Chloromethane
624		Water	cis-1,3-Dichloropropene
624		Water	Dibromochloromethane
624		Water	Ethylbenzene
624		Water	Methylene Chloride
624		Water	Tetrachloroethene
624		Water	Toluene
624		Water	trans-1,3-Dichloropropene
624		Water	Trichloroethene
624		Water	Trichlorofluoromethane
624		Water	Vinyl chloride

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
1631E	Mercury, Low Level (CVAFS)	EPA	EET CLE
1631E	Preparation, Mercury, Low Level	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-219379-1	MH 9-3	Water	04/29/24 12:30	04/30/24 13:15
480-219379-5	TRIP BLANK	Water	04/29/24 00:00	04/30/24 13:15
480-219379-6	MH 9-3 LAB COMPOSITE	Water	04/30/24 12:30	04/30/24 13:15

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron NCSD Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			Job / SDG No.:
PO # OS 221984	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	624 VOCs_5ml_UP_3day	1631E - Low Level Mercury	Sample Specific Notes:
MH 9-3	4-29	1230	G	W	5	N	N	X	X	LL Hg COLLECTED @ 1240.
MH 9-3	4-29	2030	G	W	3	N	N	X	~~X~~	COMPOSITE SAMPLES INTO ONE SAMPLE FOR ANALYSIS
MH 9-3	4-30	0430	G	W	3	N	N	X	~~X~~	
MH 9-3	4-30	1230	G	W	3	N	N	X	~~X~~	
Trip Blank	4-29	—	G	W		N	N	X		

480-219379 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

COMPOSITE MH 9-3 SAMPLES INTO ONE SAMPLE FOR ANALYSIS 4/4 # 1 ICE

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company: APTIM	Date/Time: 4/30/24 1315	Received by:	Company: TAB	Date/Time: 4-30-24 1315
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

5/7/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-86800.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - New York		Job #: 480-219379-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 5/13/2024			
City: Barberton	TAT Requested (days):			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: Bell Aerospace Textron	Project #: 48019873			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
-

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1631E/1631E_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MH 9-3 (480-219379-1)	4/29/24	12:30 Eastern		Water			X	2	APRIL ONLY

LLHg

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
	5/1/24 1045	CTH Buffalo		5-2-24 0935	EETNC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins - Cleveland Sample Receipt Form/Narrative Login #
Barberton Facility

Client Eurofins - Buffalo Site Name

Cooler unpacked by

Cooler Received on 5-2-24 Opened on 5-2-24

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt [X] See Multiple Cooler Form

IR GUN # 19 (CF +1.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	(Y/N)	
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13 17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC439975
14. Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired

Sample(s) were received in a broken container

Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory

Time preserved Preservative(s) added/Lot number(s)

VOA Sample Preservation Date/Time VOAs Frozen

Login # : _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 19	1.6	3.1	(Wet Ice) Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #: 19	4.0	5.5	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice

SAMPLE CONTROL
EUROFINS ENVIRONMENT TESTING
10 HAZELWOOD DRIVE

BUFFALO, NY 142282223
UNITED STATES US

ACTWGT 49.50 LB
CAD 0759273/CAFE3755
DIMS 26x15x14 IN

BILL SENDER

Part # 159469-434 MTW EXP 01/25 585E3/C137/AED7

TO **SAMPLE RECEIPT**
EUROFINS CLEVELAND
180 S VAN BUREN AVE

BARBERTON OH 442033543
(330) 497-9396
REF: ETA BARBERTON

FedEx Express

J23802305120IUV

2 of 2
MPS# 0263 7117 9319 2500
Mstr# 7117 9319 2496

0201

THU - 02 MAY 10:30A
PRIORITY OVERNIGHT

NX CAKA

44203
OH-US **CLE**

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-219379-1

Login Number: 219379
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	aptim
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 10/28/2024 3:44:30 PM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-224725-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization



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10/28/2024 3:44:30 PM

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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

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

Glossary

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

Job ID: 480-224725-1 Eurofins Buffalo

Job Narrative
480-224725-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/23/2024 5:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

GC/MS VOA
Method 624_5ml_UP_3day: The continuing calibration verification (CCV) associated with batch 480-729782 recovered above the upper control limit for Acrolein. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK (480-224725-5) and MH 9-3 COMP 1-4 (480-224725-6).

Method 624_5ml_UP_3day: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-729782 recovered outside control limits for the following analytes: Acrolein. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.The associated samples are impacted: TRIP BLANK (480-224725-5) and MH 9-3 COMP 1-4 (480-224725-6).

Method 624_5ml_UP_3day: The following Volatile sample was composited by the laboratory on 10/25/2024 as requested by the client: MH 9-3 COMP 1-4 (480-224725-6). Regulatory defined guidance for in-laboratory compositing of samples is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-224725-5

No Detections.

Client Sample ID: MH 9-3 COMP 1-4
Lab Sample ID: 480-224725-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	8.6	J	10	3.2	ug/L	1		624	Total/NA
Vinyl chloride	9.2		5.0	0.75	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-224725-5

Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Method: EPA 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/25/24 13:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/25/24 13:17	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/25/24 13:17	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/25/24 13:17	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/25/24 13:17	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/25/24 13:17	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/25/24 13:17	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/25/24 13:17	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/25/24 13:17	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/25/24 13:17	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/25/24 13:17	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/25/24 13:17	1
Acrolein	ND	*+	100	17	ug/L			10/25/24 13:17	1
Acrylonitrile	ND		50	1.9	ug/L			10/25/24 13:17	1
Benzene	ND		5.0	0.60	ug/L			10/25/24 13:17	1
Bromoform	ND		5.0	0.47	ug/L			10/25/24 13:17	1
Bromomethane	ND		5.0	1.2	ug/L			10/25/24 13:17	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/25/24 13:17	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/25/24 13:17	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/25/24 13:17	1
Chloroethane	ND		5.0	0.87	ug/L			10/25/24 13:17	1
Chloroform	ND		5.0	0.54	ug/L			10/25/24 13:17	1
Chloromethane	ND		5.0	0.64	ug/L			10/25/24 13:17	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/25/24 13:17	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/25/24 13:17	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/25/24 13:17	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/25/24 13:17	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/25/24 13:17	1
Toluene	ND		5.0	0.45	ug/L			10/25/24 13:17	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/25/24 13:17	1
Trichloroethene	ND		5.0	0.60	ug/L			10/25/24 13:17	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/25/24 13:17	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/25/24 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*10/25/24 13:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*10/25/24 13:17*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*10/25/24 13:17*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/25/24 13:17*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3 COMP 1-4
Lab Sample ID: 480-224725-6

Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Method: EPA 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/25/24 13:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/25/24 13:41	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/25/24 13:41	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/25/24 13:41	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/25/24 13:41	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/25/24 13:41	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/25/24 13:41	1
1,2-Dichloroethene, Total	**8.6**	**J**	10	3.2	ug/L			10/25/24 13:41	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/25/24 13:41	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/25/24 13:41	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/25/24 13:41	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/25/24 13:41	1
Acrolein	ND	*+	100	17	ug/L			10/25/24 13:41	1
Acrylonitrile	ND		50	1.9	ug/L			10/25/24 13:41	1
Benzene	ND		5.0	0.60	ug/L			10/25/24 13:41	1
Bromoform	ND		5.0	0.47	ug/L			10/25/24 13:41	1
Bromomethane	ND		5.0	1.2	ug/L			10/25/24 13:41	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/25/24 13:41	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/25/24 13:41	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/25/24 13:41	1
Chloroethane	ND		5.0	0.87	ug/L			10/25/24 13:41	1
Chloroform	ND		5.0	0.54	ug/L			10/25/24 13:41	1
Chloromethane	ND		5.0	0.64	ug/L			10/25/24 13:41	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/25/24 13:41	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/25/24 13:41	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/25/24 13:41	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/25/24 13:41	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/25/24 13:41	1
Toluene	ND		5.0	0.45	ug/L			10/25/24 13:41	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/25/24 13:41	1
Trichloroethene	ND		5.0	0.60	ug/L			10/25/24 13:41	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/25/24 13:41	1
Vinyl chloride	**9.2**		5.0	0.75	ug/L			10/25/24 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*10/25/24 13:41*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*10/25/24 13:41*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*10/25/24 13:41*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/25/24 13:41*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-224725-5	TRIP BLANK	101	98	98	102
480-224725-6	MH 9-3 COMP 1-4	104	98	98	102
LCS 480-729782/6	Lab Control Sample	100	98	97	100
MB 480-729782/8	Method Blank	102	97	99	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-729782/8
Matrix: Water
Analysis Batch: 729782

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/25/24 12:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/25/24 12:53	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/25/24 12:53	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/25/24 12:53	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/25/24 12:53	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/25/24 12:53	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/25/24 12:53	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/25/24 12:53	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/25/24 12:53	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/25/24 12:53	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/25/24 12:53	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/25/24 12:53	1
Acrolein	ND		100	17	ug/L			10/25/24 12:53	1
Acrylonitrile	ND		50	1.9	ug/L			10/25/24 12:53	1
Benzene	ND		5.0	0.60	ug/L			10/25/24 12:53	1
Bromoform	ND		5.0	0.47	ug/L			10/25/24 12:53	1
Bromomethane	ND		5.0	1.2	ug/L			10/25/24 12:53	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/25/24 12:53	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/25/24 12:53	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/25/24 12:53	1
Chloroethane	ND		5.0	0.87	ug/L			10/25/24 12:53	1
Chloroform	ND		5.0	0.54	ug/L			10/25/24 12:53	1
Chloromethane	ND		5.0	0.64	ug/L			10/25/24 12:53	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/25/24 12:53	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/25/24 12:53	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/25/24 12:53	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/25/24 12:53	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/25/24 12:53	1
Toluene	ND		5.0	0.45	ug/L			10/25/24 12:53	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/25/24 12:53	1
Trichloroethene	ND		5.0	0.60	ug/L			10/25/24 12:53	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/25/24 12:53	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/25/24 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*10/25/24 12:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*10/25/24 12:53*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*10/25/24 12:53*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/25/24 12:53*	*1*

Lab Sample ID: LCS 480-729782/6
Matrix: Water
Analysis Batch: 729782

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	52 - 162
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		106	46 - 157
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	52 - 150

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-729782/6
Matrix: Water
Analysis Batch: 729782

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	20.0	19.7		ug/L		99	59 - 155
1,1-Dichloroethene	20.0	20.4		ug/L		102	1 - 234
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	18 - 190
1,2-Dichloroethane	20.0	20.3		ug/L		102	49 - 155
1,2-Dichloropropane	20.0	21.3		ug/L		107	1 - 210
1,3-Dichlorobenzene	20.0	19.9		ug/L		100	59 - 156
1,4-Dichlorobenzene	20.0	19.9		ug/L		99	18 - 190
2-Chloroethyl vinyl ether	20.0	24.1	J	ug/L		121	1 - 305
Acrolein	100	236	*+	ug/L		236	10 - 176
Acrylonitrile	200	207		ug/L		104	54 - 147
Benzene	20.0	20.3		ug/L		102	37 - 151
Bromoform	20.0	23.6		ug/L		118	45 - 169
Bromomethane	20.0	16.2		ug/L		81	1 - 242
Carbon tetrachloride	20.0	21.3		ug/L		106	70 - 140
Chlorobenzene	20.0	20.0		ug/L		100	37 - 160
Dibromochloromethane	20.0	22.1		ug/L		110	53 - 149
Chloroethane	20.0	17.3		ug/L		86	14 - 230
Chloroform	20.0	19.7		ug/L		98	51 - 138
Chloromethane	20.0	40.9		ug/L		204	1 - 273
cis-1,3-Dichloropropene	20.0	22.8		ug/L		114	1 - 227
Bromodichloromethane	20.0	21.9		ug/L		110	35 - 155
Ethylbenzene	20.0	20.0		ug/L		100	37 - 162
Methylene Chloride	20.0	19.6		ug/L		98	1 - 221
Tetrachloroethene	20.0	19.9		ug/L		100	64 - 148
Toluene	20.0	19.5		ug/L		98	47 - 150
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	17 - 183
Trichloroethene	20.0	20.7		ug/L		103	71 - 157
Trichlorofluoromethane	20.0	23.9		ug/L		120	17 - 181
Vinyl chloride	20.0	22.0		ug/L		110	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*
Toluene-d8 (Surr)	*97*		*77 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

GC/MS VOA

Analysis Batch: 729782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224725-5	TRIP BLANK	Total/NA	Water	624	
480-224725-6	MH 9-3 COMP 1-4	Total/NA	Water	624	
MB 480-729782/8	Method Blank	Total/NA	Water	624	
LCS 480-729782/6	Lab Control Sample	Total/NA	Water	624	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-224725-5
Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624		1	729782	AXK	EET BUF	10/25/24 13:17

Client Sample ID: MH 9-3 COMP 1-4
Lab Sample ID: 480-224725-6
Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624		1	729782	AXK	EET BUF	10/25/24 13:41

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,1,1-Trichloroethane
624		Water	1,1,2,2-Tetrachloroethane
624		Water	1,1,2-Trichloroethane
624		Water	1,1-Dichloroethane
624		Water	1,1-Dichloroethene
624		Water	1,2-Dichlorobenzene
624		Water	1,2-Dichloroethane
624		Water	1,2-Dichloroethene, Total
624		Water	1,2-Dichloropropane
624		Water	1,3-Dichlorobenzene
624		Water	1,4-Dichlorobenzene
624		Water	2-Chloroethyl vinyl ether
624		Water	Acrolein
624		Water	Acrylonitrile
624		Water	Benzene
624		Water	Bromodichloromethane
624		Water	Bromoform
624		Water	Bromomethane
624		Water	Carbon tetrachloride
624		Water	Chlorobenzene
624		Water	Chloroethane
624		Water	Chloroform
624		Water	Chloromethane
624		Water	cis-1,3-Dichloropropene
624		Water	Dibromochloromethane
624		Water	Ethylbenzene
624		Water	Methylene Chloride
624		Water	Tetrachloroethene
624		Water	Toluene
624		Water	trans-1,3-Dichloropropene
624		Water	Trichloroethene
624		Water	Trichlorofluoromethane
624		Water	Vinyl chloride

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224725-5	TRIP BLANK	Water	10/23/24 00:00	10/23/24 17:10
480-224725-6	MH 9-3 COMP 1-4	Water	10/23/24 00:00	10/23/24 17:10

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmeric

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron NCSD Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			Job / SDG No.:
PO # OS 221984	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	624 VOCs_5ml_UP_3day	1631E - Low Level Mercury	Sample Specific Notes:
MH 9-3	10-22-24	1325	G	W	3	N	N	X		COMPOSITE SAMPLES INTO ONE SAMPLE FOR ANALYSIS
MH 9-3	10-22-24	2125	G	W	3	N	N	X		
MH 9-3	10-23-24	0525	G	W	3	N	N	X		
MH 9-3	10-23-24	1325	G	W	3	N	N	X		
Trip Blank		LAB	G	W	2	N	N	X		

480-224725 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

COMPOSITE MH 9-3 SAMPLES INTO ONE SAMPLE FOR ANALYSIS 3.2 ICE IR#5C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____	
Relinquished by:	Company: APTIM	Date/Time: 10/23/24 1710	Received by: LC	Company:	Date/Time: 10/23/24 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-224725-1

Login Number: 224725
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

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JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-219369-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

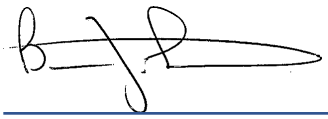
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Job Notes

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

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

Authorization



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Authorized for release by
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

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

Glossary

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

Job ID: 480-219369-1 Eurofins Buffalo

Job Narrative
480-219369-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/30/2024 1:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-710126 recovered outside acceptance criteria, low biased, for 2-Hexanone and 4-Methyl-2-pentanone. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated samples are impacted: EW-2 (480-219369-1), EW-3 (480-219369-2), EW-5 (480-219369-4), EW-6 (480-219369-5), 93-03(1) (480-219369-6), DUP (480-219369-7) and TB (480-219369-8).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: EW-3 (480-219369-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-710315 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. and/or laboratory control sample duplicate (LCSD)

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP (480-219369-7). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-219369-1

Client Sample ID: EW-2 — Lab Sample ID: 480-219369-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.6		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.9		1.0	0.38	ug/L	1		8260C	Total/NA
Chloroform	0.71	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	65		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	4.3		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	81		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-3 — Lab Sample ID: 480-219369-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	16	J	20	7.6	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	260		20	16	ug/L	20		8260C	Total/NA
Vinyl chloride	1700		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: EW-4 — Lab Sample ID: 480-219369-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.26	J	1.0	0.19	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.7		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	4.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-5 — Lab Sample ID: 480-219369-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.9		1.0	0.38	ug/L	1		8260C	Total/NA
Carbon disulfide	0.33	J	1.0	0.19	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	67		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-6 — Lab Sample ID: 480-219369-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.75	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	8.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 93-03(1) — Lab Sample ID: 480-219369-6

No Detections.

Client Sample ID: DUP — Lab Sample ID: 480-219369-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	13		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	16		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.3		1.0	0.29	ug/L	1		8260C	Total/NA
Carbon disulfide	2.1		1.0	0.19	ug/L	1		8260C	Total/NA
Chloroform	0.39	J	1.0	0.34	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	5.9		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	3.9		1.0	0.46	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	260		40	32	ug/L	40		8260C	Total/NA
Vinyl chloride - DL	1200		40	36	ug/L	40		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TB
Lab Sample ID: 480-219369-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.28	J	1.0	0.19	ug/L	1		8260C	Total/NA
Methylene Chloride	0.66	J	1.0	0.44	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-2
Lab Sample ID: 480-219369-1
Date Collected: 04/29/24 15:20
Matrix: Water
Date Received: 04/30/24 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**4.6**		1.0	0.82	ug/L			05/01/24 14:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/01/24 14:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/01/24 14:33	1
1,1-Dichloroethane	**5.9**		1.0	0.38	ug/L			05/01/24 14:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/01/24 14:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/01/24 14:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/01/24 14:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/01/24 14:33	1
2-Hexanone	ND		5.0	1.2	ug/L			05/01/24 14:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/01/24 14:33	1
Acetone	ND		10	3.0	ug/L			05/01/24 14:33	1
Benzene	ND		1.0	0.41	ug/L			05/01/24 14:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/01/24 14:33	1
Bromoform	ND		1.0	0.26	ug/L			05/01/24 14:33	1
Bromomethane	ND		1.0	0.69	ug/L			05/01/24 14:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/01/24 14:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/01/24 14:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/01/24 14:33	1
Chloroethane	ND		1.0	0.32	ug/L			05/01/24 14:33	1
Chloroform	**0.71**	**J**	1.0	0.34	ug/L			05/01/24 14:33	1
Chloromethane	ND		1.0	0.35	ug/L			05/01/24 14:33	1
cis-1,2-Dichloroethene	**65**		1.0	0.81	ug/L			05/01/24 14:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/01/24 14:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/01/24 14:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/01/24 14:33	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/01/24 14:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/01/24 14:33	1
o-Xylene	ND		1.0	0.76	ug/L			05/01/24 14:33	1
Styrene	ND		1.0	0.73	ug/L			05/01/24 14:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/01/24 14:33	1
Toluene	ND		1.0	0.51	ug/L			05/01/24 14:33	1
trans-1,2-Dichloroethene	**1.4**		1.0	0.90	ug/L			05/01/24 14:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/01/24 14:33	1
Trichloroethene	**4.3**		1.0	0.46	ug/L			05/01/24 14:33	1
Vinyl chloride	**81**		1.0	0.90	ug/L			05/01/24 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*05/01/24 14:33*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/01/24 14:33*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*05/01/24 14:33*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/01/24 14:33*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-3
Lab Sample ID: 480-219369-2
Date Collected: 04/29/24 15:55
Matrix: Water
Date Received: 04/30/24 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			05/01/24 14:55	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			05/01/24 14:55	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			05/01/24 14:55	20
1,1-Dichloroethane	**16**	**J**	20	7.6	ug/L			05/01/24 14:55	20
1,1-Dichloroethene	ND		20	5.8	ug/L			05/01/24 14:55	20
1,2-Dichloroethane	ND		20	4.2	ug/L			05/01/24 14:55	20
1,2-Dichloropropane	ND		20	14	ug/L			05/01/24 14:55	20
2-Butanone (MEK)	ND		200	26	ug/L			05/01/24 14:55	20
2-Hexanone	ND		100	25	ug/L			05/01/24 14:55	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			05/01/24 14:55	20
Acetone	ND		200	60	ug/L			05/01/24 14:55	20
Benzene	ND		20	8.2	ug/L			05/01/24 14:55	20
Bromodichloromethane	ND		20	7.8	ug/L			05/01/24 14:55	20
Bromoform	ND		20	5.2	ug/L			05/01/24 14:55	20
Bromomethane	ND		20	14	ug/L			05/01/24 14:55	20
Carbon disulfide	ND		20	3.8	ug/L			05/01/24 14:55	20
Carbon tetrachloride	ND		20	5.4	ug/L			05/01/24 14:55	20
Chlorobenzene	ND		20	15	ug/L			05/01/24 14:55	20
Chloroethane	ND		20	6.4	ug/L			05/01/24 14:55	20
Chloroform	ND		20	6.8	ug/L			05/01/24 14:55	20
Chloromethane	ND		20	7.0	ug/L			05/01/24 14:55	20
cis-1,2-Dichloroethene	**260**		20	16	ug/L			05/01/24 14:55	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			05/01/24 14:55	20
Dibromochloromethane	ND		20	6.4	ug/L			05/01/24 14:55	20
Ethylbenzene	ND		20	15	ug/L			05/01/24 14:55	20
m,p-Xylene	ND		40	13	ug/L			05/01/24 14:55	20
Methylene Chloride	ND		20	8.8	ug/L			05/01/24 14:55	20
o-Xylene	ND		20	15	ug/L			05/01/24 14:55	20
Styrene	ND		20	15	ug/L			05/01/24 14:55	20
Tetrachloroethene	ND		20	7.2	ug/L			05/01/24 14:55	20
Toluene	ND		20	10	ug/L			05/01/24 14:55	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			05/01/24 14:55	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			05/01/24 14:55	20
Trichloroethene	ND		20	9.2	ug/L			05/01/24 14:55	20
Vinyl chloride	**1700**		20	18	ug/L			05/01/24 14:55	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*05/01/24 14:55*	*20*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/01/24 14:55*	*20*
Dibromofluoromethane (Surr)	*120*		*75 - 123*		*05/01/24 14:55*	*20*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/01/24 14:55*	*20*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-4
Lab Sample ID: 480-219369-3
Date Collected: 04/29/24 16:30
Matrix: Water
Date Received: 04/30/24 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/24 08:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/24 08:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/24 08:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/24 08:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/24 08:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/24 08:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/24 08:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/24 08:02	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/24 08:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/24 08:02	1
Acetone	ND		10	3.0	ug/L			05/09/24 08:02	1
Benzene	ND		1.0	0.41	ug/L			05/09/24 08:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/24 08:02	1
Bromoform	ND		1.0	0.26	ug/L			05/09/24 08:02	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/24 08:02	1
Carbon disulfide	**0.26**	**J**	1.0	0.19	ug/L			05/09/24 08:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/24 08:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/24 08:02	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/24 08:02	1
Chloroform	ND		1.0	0.34	ug/L			05/09/24 08:02	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/24 08:02	1
cis-1,2-Dichloroethene	**2.7**		1.0	0.81	ug/L			05/09/24 08:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/24 08:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/24 08:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/24 08:02	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/09/24 08:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/24 08:02	1
o-Xylene	ND		1.0	0.76	ug/L			05/09/24 08:02	1
Styrene	ND		1.0	0.73	ug/L			05/09/24 08:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/24 08:02	1
Toluene	ND		1.0	0.51	ug/L			05/09/24 08:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/24 08:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/24 08:02	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/24 08:02	1
Vinyl chloride	**4.6**		1.0	0.90	ug/L			05/09/24 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/09/24 08:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/09/24 08:02*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*05/09/24 08:02*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/09/24 08:02*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-5
Lab Sample ID: 480-219369-4
Date Collected: 04/29/24 16:45
Matrix: Water
Date Received: 04/30/24 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/01/24 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/01/24 15:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/01/24 15:40	1
1,1-Dichloroethane	**2.9**		1.0	0.38	ug/L			05/01/24 15:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/01/24 15:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/01/24 15:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/01/24 15:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/01/24 15:40	1
2-Hexanone	ND		5.0	1.2	ug/L			05/01/24 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/01/24 15:40	1
Acetone	ND		10	3.0	ug/L			05/01/24 15:40	1
Benzene	ND		1.0	0.41	ug/L			05/01/24 15:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/01/24 15:40	1
Bromoform	ND		1.0	0.26	ug/L			05/01/24 15:40	1
Bromomethane	ND		1.0	0.69	ug/L			05/01/24 15:40	1
Carbon disulfide	**0.33**	**J**	1.0	0.19	ug/L			05/01/24 15:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/01/24 15:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/01/24 15:40	1
Chloroethane	ND		1.0	0.32	ug/L			05/01/24 15:40	1
Chloroform	ND		1.0	0.34	ug/L			05/01/24 15:40	1
Chloromethane	ND		1.0	0.35	ug/L			05/01/24 15:40	1
cis-1,2-Dichloroethene	**13**		1.0	0.81	ug/L			05/01/24 15:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/01/24 15:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/01/24 15:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/01/24 15:40	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/01/24 15:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/01/24 15:40	1
o-Xylene	ND		1.0	0.76	ug/L			05/01/24 15:40	1
Styrene	ND		1.0	0.73	ug/L			05/01/24 15:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/01/24 15:40	1
Toluene	ND		1.0	0.51	ug/L			05/01/24 15:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/01/24 15:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/01/24 15:40	1
Trichloroethene	ND		1.0	0.46	ug/L			05/01/24 15:40	1
Vinyl chloride	**67**		1.0	0.90	ug/L			05/01/24 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*05/01/24 15:40*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/01/24 15:40*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 123*		*05/01/24 15:40*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*05/01/24 15:40*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-6
Lab Sample ID: 480-219369-5
Date Collected: 04/29/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/01/24 16:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/01/24 16:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/01/24 16:02	1
1,1-Dichloroethane	**0.75**	**J**	1.0	0.38	ug/L			05/01/24 16:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/01/24 16:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/01/24 16:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/01/24 16:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/01/24 16:02	1
2-Hexanone	ND		5.0	1.2	ug/L			05/01/24 16:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/01/24 16:02	1
Acetone	ND		10	3.0	ug/L			05/01/24 16:02	1
Benzene	ND		1.0	0.41	ug/L			05/01/24 16:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/01/24 16:02	1
Bromoform	ND		1.0	0.26	ug/L			05/01/24 16:02	1
Bromomethane	ND		1.0	0.69	ug/L			05/01/24 16:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/01/24 16:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/01/24 16:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/01/24 16:02	1
Chloroethane	ND		1.0	0.32	ug/L			05/01/24 16:02	1
Chloroform	ND		1.0	0.34	ug/L			05/01/24 16:02	1
Chloromethane	ND		1.0	0.35	ug/L			05/01/24 16:02	1
cis-1,2-Dichloroethene	**13**		1.0	0.81	ug/L			05/01/24 16:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/01/24 16:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/01/24 16:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/01/24 16:02	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/01/24 16:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/01/24 16:02	1
o-Xylene	ND		1.0	0.76	ug/L			05/01/24 16:02	1
Styrene	ND		1.0	0.73	ug/L			05/01/24 16:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/01/24 16:02	1
Toluene	ND		1.0	0.51	ug/L			05/01/24 16:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/01/24 16:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/01/24 16:02	1
Trichloroethene	ND		1.0	0.46	ug/L			05/01/24 16:02	1
Vinyl chloride	**8.3**		1.0	0.90	ug/L			05/01/24 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*05/01/24 16:02*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/01/24 16:02*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*05/01/24 16:02*	*1*
Toluene-d8 (Surr)	*84*		*80 - 120*		*05/01/24 16:02*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 93-03(1)
Lab Sample ID: 480-219369-6
Date Collected: 04/29/24 14:05
Matrix: Water
Date Received: 04/30/24 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/02/24 14:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/02/24 14:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/02/24 14:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/02/24 14:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/02/24 14:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/02/24 14:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/02/24 14:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/02/24 14:19	1
2-Hexanone	ND		5.0	1.2	ug/L			05/02/24 14:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/02/24 14:19	1
Acetone	ND		10	3.0	ug/L			05/02/24 14:19	1
Benzene	ND		1.0	0.41	ug/L			05/02/24 14:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/02/24 14:19	1
Bromoform	ND		1.0	0.26	ug/L			05/02/24 14:19	1
Bromomethane	ND		1.0	0.69	ug/L			05/02/24 14:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/02/24 14:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/02/24 14:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/02/24 14:19	1
Chloroethane	ND		1.0	0.32	ug/L			05/02/24 14:19	1
Chloroform	ND		1.0	0.34	ug/L			05/02/24 14:19	1
Chloromethane	ND		1.0	0.35	ug/L			05/02/24 14:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/02/24 14:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/02/24 14:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/02/24 14:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/02/24 14:19	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/02/24 14:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/02/24 14:19	1
o-Xylene	ND		1.0	0.76	ug/L			05/02/24 14:19	1
Styrene	ND		1.0	0.73	ug/L			05/02/24 14:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/02/24 14:19	1
Toluene	ND		1.0	0.51	ug/L			05/02/24 14:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/02/24 14:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/02/24 14:19	1
Trichloroethene	ND		1.0	0.46	ug/L			05/02/24 14:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/02/24 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*05/02/24 14:19*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*05/02/24 14:19*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/02/24 14:19*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/02/24 14:19*	*1*

Client Sample ID: DUP
Lab Sample ID: 480-219369-7
Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**13**		1.0	0.82	ug/L			05/01/24 16:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/01/24 16:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/01/24 16:47	1
1,1-Dichloroethane	**16**		1.0	0.38	ug/L			05/01/24 16:47	1
1,1-Dichloroethene	**1.3**		1.0	0.29	ug/L			05/01/24 16:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/01/24 16:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/01/24 16:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/01/24 16:47	1
2-Hexanone	ND		5.0	1.2	ug/L			05/01/24 16:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/01/24 16:47	1
Acetone	ND		10	3.0	ug/L			05/01/24 16:47	1
Benzene	ND		1.0	0.41	ug/L			05/01/24 16:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/01/24 16:47	1
Bromoform	ND		1.0	0.26	ug/L			05/01/24 16:47	1
Bromomethane	ND		1.0	0.69	ug/L			05/01/24 16:47	1
Carbon disulfide	**2.1**		1.0	0.19	ug/L			05/01/24 16:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/01/24 16:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/01/24 16:47	1
Chloroethane	ND		1.0	0.32	ug/L			05/01/24 16:47	1
Chloroform	**0.39**	**J**	1.0	0.34	ug/L			05/01/24 16:47	1
Chloromethane	ND		1.0	0.35	ug/L			05/01/24 16:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/01/24 16:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/01/24 16:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/01/24 16:47	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/01/24 16:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/01/24 16:47	1
o-Xylene	ND		1.0	0.76	ug/L			05/01/24 16:47	1
Styrene	ND		1.0	0.73	ug/L			05/01/24 16:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/01/24 16:47	1
Toluene	ND		1.0	0.51	ug/L			05/01/24 16:47	1
trans-1,2-Dichloroethene	**5.9**		1.0	0.90	ug/L			05/01/24 16:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/01/24 16:47	1
Trichloroethene	**3.9**		1.0	0.46	ug/L			05/01/24 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*05/01/24 16:47*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/01/24 16:47*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*05/01/24 16:47*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*05/01/24 16:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**260**		40	32	ug/L			05/02/24 14:44	40
Vinyl chloride	**1200**		40	36	ug/L			05/02/24 14:44	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*05/02/24 14:44*	*40*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*05/02/24 14:44*	*40*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/02/24 14:44*	*40*
Toluene-d8 (Surr)	*108*		*80 - 120*		*05/02/24 14:44*	*40*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TB
Lab Sample ID: 480-219369-8
Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/01/24 17:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/01/24 17:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/01/24 17:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/01/24 17:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/01/24 17:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/01/24 17:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/01/24 17:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/01/24 17:09	1
2-Hexanone	ND		5.0	1.2	ug/L			05/01/24 17:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/01/24 17:09	1
Acetone	ND		10	3.0	ug/L			05/01/24 17:09	1
Benzene	ND		1.0	0.41	ug/L			05/01/24 17:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/01/24 17:09	1
Bromoform	ND		1.0	0.26	ug/L			05/01/24 17:09	1
Bromomethane	ND		1.0	0.69	ug/L			05/01/24 17:09	1
Carbon disulfide	**0.28**	**J**	1.0	0.19	ug/L			05/01/24 17:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/01/24 17:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/01/24 17:09	1
Chloroethane	ND		1.0	0.32	ug/L			05/01/24 17:09	1
Chloroform	ND		1.0	0.34	ug/L			05/01/24 17:09	1
Chloromethane	ND		1.0	0.35	ug/L			05/01/24 17:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/01/24 17:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/01/24 17:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/01/24 17:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/01/24 17:09	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/01/24 17:09	1
Methylene Chloride	**0.66**	**J**	1.0	0.44	ug/L			05/01/24 17:09	1
o-Xylene	ND		1.0	0.76	ug/L			05/01/24 17:09	1
Styrene	ND		1.0	0.73	ug/L			05/01/24 17:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/01/24 17:09	1
Toluene	ND		1.0	0.51	ug/L			05/01/24 17:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/01/24 17:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/01/24 17:09	1
Trichloroethene	ND		1.0	0.46	ug/L			05/01/24 17:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/01/24 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*05/01/24 17:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/01/24 17:09*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*05/01/24 17:09*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/01/24 17:09*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-219369-1	EW-2	111	96	109	89
480-219369-2	EW-3	111	98	120	88
480-219369-3	EW-4	99	100	94	98
480-219369-4	EW-5	117	96	118	86
480-219369-5	EW-6	108	99	111	84
480-219369-6	93-03(1)	116	112	104	106
480-219369-6 MS	93-03(1)	115	98	108	103
480-219369-6 MSD	93-03(1)	116	105	109	107
480-219369-7	DUP	108	97	113	87
480-219369-7 - DL	DUP	113	105	105	108
480-219369-8	TB	114	100	116	92
LCS 480-710126/6	Lab Control Sample	105	99	104	89
LCS 480-710315/6	Lab Control Sample	115	99	105	103
LCS 480-711212/22	Lab Control Sample	100	100	104	99
MB 480-710126/8	Method Blank	114	100	120	91
MB 480-710315/8	Method Blank	114	107	107	105
MB 480-711212/23	Method Blank	104	104	104	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-710126/8
Matrix: Water
Analysis Batch: 710126

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/01/24 12:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/01/24 12:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/01/24 12:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/01/24 12:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/01/24 12:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/01/24 12:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/01/24 12:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/01/24 12:52	1
2-Hexanone	ND		5.0	1.2	ug/L			05/01/24 12:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/01/24 12:52	1
Acetone	ND		10	3.0	ug/L			05/01/24 12:52	1
Benzene	ND		1.0	0.41	ug/L			05/01/24 12:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/01/24 12:52	1
Bromoform	ND		1.0	0.26	ug/L			05/01/24 12:52	1
Bromomethane	ND		1.0	0.69	ug/L			05/01/24 12:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/01/24 12:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/01/24 12:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/01/24 12:52	1
Chloroethane	ND		1.0	0.32	ug/L			05/01/24 12:52	1
Chloroform	ND		1.0	0.34	ug/L			05/01/24 12:52	1
Chloromethane	ND		1.0	0.35	ug/L			05/01/24 12:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/01/24 12:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/01/24 12:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/01/24 12:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/01/24 12:52	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/01/24 12:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/01/24 12:52	1
o-Xylene	ND		1.0	0.76	ug/L			05/01/24 12:52	1
Styrene	ND		1.0	0.73	ug/L			05/01/24 12:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/01/24 12:52	1
Toluene	ND		1.0	0.51	ug/L			05/01/24 12:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/01/24 12:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/01/24 12:52	1
Trichloroethene	ND		1.0	0.46	ug/L			05/01/24 12:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/01/24 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*05/01/24 12:52*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/01/24 12:52*	*1*
Dibromofluoromethane (Surr)	*120*		*75 - 123*		*05/01/24 12:52*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/01/24 12:52*	*1*

Lab Sample ID: LCS 480-710126/6
Matrix: Water
Analysis Batch: 710126

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1-Trichloroethane			25.0	26.8		ug/L		107	73 - 126		

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

Lab Sample ID: LCS 480-710126/6
Matrix: Water
Analysis Batch: 710126

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	21.4		ug/L		86	76 - 120
1,1,2-Trichloroethane	25.0	22.3		ug/L		89	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		100	66 - 127
1,2-Dichloroethane	25.0	26.7		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
2-Butanone (MEK)	125	107		ug/L		86	57 - 140
2-Hexanone	125	94.8		ug/L		76	65 - 127
4-Methyl-2-pentanone (MIBK)	125	95.4		ug/L		76	71 - 125
Acetone	125	129		ug/L		104	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	26.1		ug/L		104	61 - 132
Bromomethane	25.0	26.7		ug/L		107	55 - 144
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	27.2		ug/L		109	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		93	74 - 124
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Ethylbenzene	25.0	22.8		ug/L		91	77 - 123
m,p-Xylene	25.0	22.6		ug/L		91	76 - 122
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
o-Xylene	25.0	23.2		ug/L		93	76 - 122
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	26.4		ug/L		105	74 - 122
Toluene	25.0	22.6		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	26.5		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	26.0		ug/L		104	74 - 123
Vinyl chloride	25.0	27.4		ug/L		110	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*89*		*80 - 120*

Lab Sample ID: MB 480-710315/8
Matrix: Water
Analysis Batch: 710315

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/02/24 12:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/02/24 12:41	1

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

Lab Sample ID: MB 480-710315/8
Matrix: Water
Analysis Batch: 710315

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/02/24 12:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/02/24 12:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/02/24 12:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/02/24 12:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/02/24 12:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/02/24 12:41	1
2-Hexanone	ND		5.0	1.2	ug/L			05/02/24 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/02/24 12:41	1
Acetone	ND		10	3.0	ug/L			05/02/24 12:41	1
Benzene	ND		1.0	0.41	ug/L			05/02/24 12:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/02/24 12:41	1
Bromoform	ND		1.0	0.26	ug/L			05/02/24 12:41	1
Bromomethane	ND		1.0	0.69	ug/L			05/02/24 12:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/02/24 12:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/02/24 12:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/02/24 12:41	1
Chloroethane	ND		1.0	0.32	ug/L			05/02/24 12:41	1
Chloroform	ND		1.0	0.34	ug/L			05/02/24 12:41	1
Chloromethane	ND		1.0	0.35	ug/L			05/02/24 12:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/02/24 12:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/02/24 12:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/02/24 12:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/02/24 12:41	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/02/24 12:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/02/24 12:41	1
o-Xylene	ND		1.0	0.76	ug/L			05/02/24 12:41	1
Styrene	ND		1.0	0.73	ug/L			05/02/24 12:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/02/24 12:41	1
Toluene	ND		1.0	0.51	ug/L			05/02/24 12:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/02/24 12:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/02/24 12:41	1
Trichloroethene	ND		1.0	0.46	ug/L			05/02/24 12:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/02/24 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*05/02/24 12:41*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*05/02/24 12:41*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*05/02/24 12:41*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/02/24 12:41*	*1*

Lab Sample ID: LCS 480-710315/6
Matrix: Water
Analysis Batch: 710315

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.7		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122

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

Lab Sample ID: LCS 480-710315/6
Matrix: Water
Analysis Batch: 710315

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2-Dichloroethane	25.0	27.5		ug/L		110	75 - 120
1,2-Dichloropropane	25.0	27.3		ug/L		109	76 - 120
2-Butanone (MEK)	125	143		ug/L		114	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		100	71 - 125
Acetone	125	137		ug/L		110	56 - 142
Benzene	25.0	26.5		ug/L		106	71 - 124
Bromodichloromethane	25.0	28.7		ug/L		115	80 - 122
Bromoform	25.0	27.5		ug/L		110	61 - 132
Bromomethane	25.0	23.4		ug/L		93	55 - 144
Carbon disulfide	25.0	23.0		ug/L		92	59 - 134
Carbon tetrachloride	25.0	29.3		ug/L		117	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Chloroethane	25.0	21.5		ug/L		86	69 - 136
Chloroform	25.0	25.6		ug/L		102	73 - 127
Chloromethane	25.0	18.6		ug/L		74	68 - 124
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	28.9		ug/L		116	74 - 124
Dibromochloromethane	25.0	28.4		ug/L		114	75 - 125
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
m,p-Xylene	25.0	25.6		ug/L		102	76 - 122
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
o-Xylene	25.0	25.3		ug/L		101	76 - 122
Styrene	25.0	26.3		ug/L		105	80 - 120
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	25.0	27.0		ug/L		108	74 - 123
Vinyl chloride	25.0	21.3		ug/L		85	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 480-219369-6 MS
Matrix: Water
Analysis Batch: 710315

Client Sample ID: 93-03(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	30.0		ug/L		120	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.7		ug/L		95	76 - 120
1,1,2-Trichloroethane	ND		25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	ND		25.0	27.9		ug/L		112	77 - 120

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

Lab Sample ID: 480-219369-6 MS
Matrix: Water
Analysis Batch: 710315

Client Sample ID: 93-03(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		25.0	27.7		ug/L		111	66 - 127
1,2-Dichloroethane	ND		25.0	28.4		ug/L		114	75 - 120
1,2-Dichloropropane	ND		25.0	28.3		ug/L		113	76 - 120
2-Butanone (MEK)	ND		125	141		ug/L		113	57 - 140
2-Hexanone	ND		125	146		ug/L		117	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	130		ug/L		104	71 - 125
Acetone	ND		125	123		ug/L		98	56 - 142
Benzene	ND		25.0	28.3		ug/L		113	71 - 124
Bromodichloromethane	ND		25.0	29.9		ug/L		119	80 - 122
Bromoform	ND		25.0	26.6		ug/L		106	61 - 132
Bromomethane	ND		25.0	22.8		ug/L		91	55 - 144
Carbon disulfide	ND		25.0	25.2		ug/L		101	59 - 134
Carbon tetrachloride	ND		25.0	31.6		ug/L		126	72 - 134
Chlorobenzene	ND		25.0	26.5		ug/L		106	80 - 120
Chloroethane	ND		25.0	23.0		ug/L		92	69 - 136
Chloroform	ND		25.0	26.6		ug/L		106	73 - 127
Chloromethane	ND		25.0	19.8		ug/L		79	68 - 124
cis-1,2-Dichloroethene	ND		25.0	28.1		ug/L		113	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.2		ug/L		109	74 - 124
Dibromochloromethane	ND		25.0	28.1		ug/L		112	75 - 125
Ethylbenzene	ND		25.0	27.1		ug/L		109	77 - 123
m,p-Xylene	ND		25.0	27.0		ug/L		108	76 - 122
Methylene Chloride	ND		25.0	25.1		ug/L		100	75 - 124
o-Xylene	ND		25.0	26.4		ug/L		105	76 - 122
Styrene	ND		25.0	26.3		ug/L		105	80 - 120
Tetrachloroethene	ND		25.0	27.8		ug/L		111	74 - 122
Toluene	ND		25.0	25.6		ug/L		102	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.3		ug/L		113	73 - 127
trans-1,3-Dichloropropene	ND		25.0	24.2		ug/L		97	80 - 120
Trichloroethene	ND		25.0	29.2		ug/L		117	74 - 123
Vinyl chloride	ND		25.0	24.0		ug/L		96	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 480-219369-6 MSD
Matrix: Water
Analysis Batch: 710315

Client Sample ID: 93-03(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	29.9		ug/L		119	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		25.0	24.5		ug/L		98	76 - 120	3	15
1,1,2-Trichloroethane	ND		25.0	24.6		ug/L		99	76 - 122	1	15
1,1-Dichloroethane	ND		25.0	27.8		ug/L		111	77 - 120	0	20
1,1-Dichloroethene	ND		25.0	28.1		ug/L		112	66 - 127	1	16

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

Lab Sample ID: 480-219369-6 MSD
Client Sample ID: 93-03(1)
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 710315

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		25.0	28.0		ug/L		112	75 - 120	1	20
1,2-Dichloropropane	ND		25.0	28.1		ug/L		113	76 - 120	1	20
2-Butanone (MEK)	ND		125	138		ug/L		111	57 - 140	2	20
2-Hexanone	ND		125	144		ug/L		115	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		125	127		ug/L		102	71 - 125	2	35
Acetone	ND		125	124		ug/L		99	56 - 142	1	15
Benzene	ND		25.0	28.4		ug/L		114	71 - 124	0	13
Bromodichloromethane	ND		25.0	29.7		ug/L		119	80 - 122	1	15
Bromoform	ND		25.0	25.9		ug/L		104	61 - 132	3	15
Bromomethane	ND		25.0	23.0		ug/L		92	55 - 144	1	15
Carbon disulfide	ND		25.0	24.7		ug/L		99	59 - 134	2	15
Carbon tetrachloride	ND		25.0	31.5		ug/L		126	72 - 134	0	15
Chlorobenzene	ND		25.0	26.0		ug/L		104	80 - 120	2	25
Chloroethane	ND		25.0	22.9		ug/L		92	69 - 136	0	15
Chloroform	ND		25.0	26.3		ug/L		105	73 - 127	1	20
Chloromethane	ND		25.0	19.5		ug/L		78	68 - 124	2	15
cis-1,2-Dichloroethene	ND		25.0	27.9		ug/L		112	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	27.3		ug/L		109	74 - 124	1	15
Dibromochloromethane	ND		25.0	27.8		ug/L		111	75 - 125	1	15
Ethylbenzene	ND		25.0	26.9		ug/L		108	77 - 123	1	15
m,p-Xylene	ND		25.0	27.2		ug/L		109	76 - 122	1	16
Methylene Chloride	ND		25.0	24.9		ug/L		100	75 - 124	1	15
o-Xylene	ND		25.0	25.7		ug/L		103	76 - 122	3	16
Styrene	ND		25.0	25.7		ug/L		103	80 - 120	2	20
Tetrachloroethene	ND		25.0	27.8		ug/L		111	74 - 122	0	20
Toluene	ND		25.0	25.3		ug/L		101	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	28.1		ug/L		112	73 - 127	1	20
trans-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	80 - 120	2	15
Trichloroethene	ND		25.0	29.3		ug/L		117	74 - 123	1	16
Vinyl chloride	ND		25.0	23.7		ug/L		95	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 480-711212/23
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 711212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/24 00:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/24 00:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/24 00:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/24 00:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/24 00:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/24 00:40	1

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

Lab Sample ID: MB 480-711212/23
Matrix: Water
Analysis Batch: 711212

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/24 00:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/24 00:40	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/24 00:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/24 00:40	1
Acetone	ND		10	3.0	ug/L			05/09/24 00:40	1
Benzene	ND		1.0	0.41	ug/L			05/09/24 00:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/24 00:40	1
Bromoform	ND		1.0	0.26	ug/L			05/09/24 00:40	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/24 00:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/24 00:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/24 00:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/24 00:40	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/24 00:40	1
Chloroform	ND		1.0	0.34	ug/L			05/09/24 00:40	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/24 00:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/24 00:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/24 00:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/24 00:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/24 00:40	1
m,p-Xylene	ND		2.0	0.66	ug/L			05/09/24 00:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/24 00:40	1
o-Xylene	ND		1.0	0.76	ug/L			05/09/24 00:40	1
Styrene	ND		1.0	0.73	ug/L			05/09/24 00:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/24 00:40	1
Toluene	ND		1.0	0.51	ug/L			05/09/24 00:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/24 00:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/24 00:40	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/24 00:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/24 00:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/09/24 00:40*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*05/09/24 00:40*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/09/24 00:40*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/09/24 00:40*	*1*

Lab Sample ID: LCS 480-711212/22
Matrix: Water
Analysis Batch: 711212

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.9		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	26.5		ug/L		106	66 - 127
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	24.6		ug/L		98	76 - 120

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

Lab Sample ID: LCS 480-711212/22
Matrix: Water
Analysis Batch: 711212

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	125	142		ug/L		113	57 - 140
2-Hexanone	125	132		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	148		ug/L		118	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	25.8		ug/L		103	61 - 132
Bromomethane	25.0	26.9		ug/L		108	55 - 144
Carbon disulfide	25.0	24.9		ug/L		100	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		108	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Chloroethane	25.0	24.1		ug/L		97	69 - 136
Chloroform	25.0	23.6		ug/L		94	73 - 127
Chloromethane	25.0	23.6		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
m,p-Xylene	25.0	25.5		ug/L		102	76 - 122
Methylene Chloride	25.0	26.3		ug/L		105	75 - 124
o-Xylene	25.0	25.1		ug/L		100	76 - 122
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		101	74 - 122
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	80 - 120
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Vinyl chloride	25.0	26.4		ug/L		106	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

GC/MS VOA

Analysis Batch: 710126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219369-1	EW-2	Total/NA	Water	8260C	
480-219369-2	EW-3	Total/NA	Water	8260C	
480-219369-4	EW-5	Total/NA	Water	8260C	
480-219369-5	EW-6	Total/NA	Water	8260C	
480-219369-7	DUP	Total/NA	Water	8260C	
480-219369-8	TB	Total/NA	Water	8260C	
MB 480-710126/8	Method Blank	Total/NA	Water	8260C	
LCS 480-710126/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 710315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219369-6	93-03(1)	Total/NA	Water	8260C	
480-219369-7 - DL	DUP	Total/NA	Water	8260C	
MB 480-710315/8	Method Blank	Total/NA	Water	8260C	
LCS 480-710315/6	Lab Control Sample	Total/NA	Water	8260C	
480-219369-6 MS	93-03(1)	Total/NA	Water	8260C	
480-219369-6 MSD	93-03(1)	Total/NA	Water	8260C	

Analysis Batch: 711212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219369-3	EW-4	Total/NA	Water	8260C	
MB 480-711212/23	Method Blank	Total/NA	Water	8260C	
LCS 480-711212/22	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-219369-1

Client Sample ID: EW-2
Lab Sample ID: 480-219369-1
Date Collected: 04/29/24 15:20
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	710126	CC	EET BUF	05/01/24 14:33

Client Sample ID: EW-3
Lab Sample ID: 480-219369-2
Date Collected: 04/29/24 15:55
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	710126	CC	EET BUF	05/01/24 14:55

Client Sample ID: EW-4
Lab Sample ID: 480-219369-3
Date Collected: 04/29/24 16:30
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	711212	ZN	EET BUF	05/09/24 08:02

Client Sample ID: EW-5
Lab Sample ID: 480-219369-4
Date Collected: 04/29/24 16:45
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	710126	CC	EET BUF	05/01/24 15:40

Client Sample ID: EW-6
Lab Sample ID: 480-219369-5
Date Collected: 04/29/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	710126	CC	EET BUF	05/01/24 16:02

Client Sample ID: 93-03(1)
Lab Sample ID: 480-219369-6
Date Collected: 04/29/24 14:05
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	710315	ERS	EET BUF	05/02/24 14:19

Client Sample ID: DUP
Lab Sample ID: 480-219369-7
Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	710126	CC	EET BUF	05/01/24 16:47
Total/NA	Analysis	8260C	DL	40	710315	ERS	EET BUF	05/02/24 14:44

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TB
Lab Sample ID: 480-219369-8

Date Collected: 04/29/24 00:00
Matrix: Water

Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	710126	CC	EET BUF	05/01/24 17:09

Laboratory References:

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219369-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-219369-1	EW-2	Water	04/29/24 15:20	04/30/24 13:15
480-219369-2	EW-3	Water	04/29/24 15:55	04/30/24 13:15
480-219369-3	EW-4	Water	04/29/24 16:30	04/30/24 13:15
480-219369-4	EW-5	Water	04/29/24 16:45	04/30/24 13:15
480-219369-5	EW-6	Water	04/29/24 12:30	04/30/24 13:15
480-219369-6	93-03(1)	Water	04/29/24 14:05	04/30/24 13:15
480-219369-7	DUP	Water	04/29/24 00:00	04/30/24 13:15
480-219369-8	TB	Water	04/29/24 00:00	04/30/24 13:15

Eurofins Tes erica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chai f Custody Record

eurofins | Environment Testir TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmeri

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron Off-Site Preformance Wells	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
P O # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C_(MOD) Client Specific List	Sample Specific Notes:
EW-2 -	4-29	1520	G	W	3	N	N	X	
EW-3 -		1555	G	W	3	N	N	X	
EW-4 -		1630	G	W	3	N	N	X	
EW-5 -		1645	G	W	3	N	N	X	
EW-6 -		1230	G	W	3	N	N	X	
93-03(1) -		1405	G	W	3	N	N	X	
93-03(1) MS -			G	W	3	N	Y	X	
93-03(1) MSD -			G	W	3	N	Y	X	
DUP -		—	G	W	3	N	N	X	
TB -	4-29	—	G	W		N	N	X	

480-219369 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

316 # 1 tic

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: APTIM	Date/Time: 4/30/24 1315	Received by:	Company: TAB	Date/Time: 4-30-24 1315
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-219369-1

Login Number: 219369

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 11/12/2024 9:44:46 AM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-224936-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization



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11/12/2024 9:44:46 AM

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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224936-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

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

General Chemistry

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

Glossary

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

Job Narrative
480-224936-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 10/29/2024 1:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

GC/MS VOA
Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 89-15(1) (480-224936-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-730806 recovered outside acceptance criteria, low biased, for Chloroform. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The following associated sample is impacted: 89-15(1) (480-224936-1)

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-730806 recovered outside control limits for the following analytes: Carbon tetrachloride, Chlorodibromomethane, Chloromethane, and Bromoform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is impacted: 89-15(1) (480-224936-1).

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

GC VOA
Method RSK_175: The following sample was diluted to bring the concentration of target analytes within the calibration range: 89-15(1) (480-224936-1). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method 9056A_28D: The following sample was diluted due to the nature of the sample matrix: 89-15(1) (480-224936-1). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224936-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-15(1)
Lab Sample ID: 480-224936-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	34		8.0	7.2	ug/L	8		8260C	Total/NA
Methylene Chloride	10		8.0	3.5	ug/L	8		8260C	Total/NA
1,1-Dichloroethane	19		8.0	3.0	ug/L	8		8260C	Total/NA
cis-1,2-Dichloroethene	38		8.0	6.5	ug/L	8		8260C	Total/NA
Trichloroethene	24		8.0	3.7	ug/L	8		8260C	Total/NA
Methane	1800		180	44	ug/L	44		RSK-175	Total/NA
Ethene	330		310	66	ug/L	44		RSK-175	Total/NA
Sulfate	97.3		10.0	1.7	mg/L	5		9056A	Total/NA
Total Organic Carbon	8.2	J	10.0	4.3	mg/L	10		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224936-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-15(1)
Lab Sample ID: 480-224936-1
Date Collected: 10/29/24 12:45
Matrix: Water
Date Received: 10/29/24 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	*+	8.0	2.8	ug/L			11/01/24 18:19	8
Vinyl chloride	**34**		8.0	7.2	ug/L			11/01/24 18:19	8
Chloroethane	ND		8.0	2.6	ug/L			11/01/24 18:19	8
Bromomethane	ND		8.0	5.5	ug/L			11/01/24 18:19	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			11/01/24 18:19	8
Acetone	ND		80	24	ug/L			11/01/24 18:19	8
Carbon disulfide	ND		8.0	1.5	ug/L			11/01/24 18:19	8
Methylene Chloride	**10**		8.0	3.5	ug/L			11/01/24 18:19	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			11/01/24 18:19	8
1,1-Dichloroethane	**19**		8.0	3.0	ug/L			11/01/24 18:19	8
cis-1,2-Dichloroethene	**38**		8.0	6.5	ug/L			11/01/24 18:19	8
2-Butanone (MEK)	ND		80	11	ug/L			11/01/24 18:19	8
Chloroform	ND		8.0	2.7	ug/L			11/01/24 18:19	8
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			11/01/24 18:19	8
Carbon tetrachloride	ND	*+	8.0	2.2	ug/L			11/01/24 18:19	8
Benzene	ND		8.0	3.3	ug/L			11/01/24 18:19	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			11/01/24 18:19	8
Trichloroethene	**24**		8.0	3.7	ug/L			11/01/24 18:19	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			11/01/24 18:19	8
Bromodichloromethane	ND		8.0	3.1	ug/L			11/01/24 18:19	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			11/01/24 18:19	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			11/01/24 18:19	8
Toluene	ND		8.0	4.1	ug/L			11/01/24 18:19	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			11/01/24 18:19	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			11/01/24 18:19	8
Tetrachloroethene	ND		8.0	2.9	ug/L			11/01/24 18:19	8
2-Hexanone	ND		40	9.9	ug/L			11/01/24 18:19	8
Dibromochloromethane	ND	*+	8.0	2.6	ug/L			11/01/24 18:19	8
Chlorobenzene	ND		8.0	6.0	ug/L			11/01/24 18:19	8
Ethylbenzene	ND		8.0	5.9	ug/L			11/01/24 18:19	8
m,p-Xylene	ND		16	5.3	ug/L			11/01/24 18:19	8
o-Xylene	ND		8.0	6.1	ug/L			11/01/24 18:19	8
Styrene	ND		8.0	5.8	ug/L			11/01/24 18:19	8
Bromoform	ND	*+	8.0	2.1	ug/L			11/01/24 18:19	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			11/01/24 18:19	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*11/01/24 18:19*	*8*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/01/24 18:19*	*8*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*11/01/24 18:19*	*8*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/01/24 18:19*	*8*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1800**		180	44	ug/L			10/31/24 09:51	44
Ethane	ND		330	66	ug/L			10/31/24 09:51	44
Ethene	**330**		310	66	ug/L			10/31/24 09:51	44

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224936-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-15(1)
Lab Sample ID: 480-224936-1
Date Collected: 10/29/24 12:45
Matrix: Water
Date Received: 10/29/24 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	97.3		10.0	1.7	mg/L			11/05/24 19:58	5
Total Organic Carbon (SM 5310C)	8.2	J	10.0	4.3	mg/L			11/05/24 22:03	10

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224936-1
Project/Site: Bell Aerospace Textron

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-224936-1	89-15(1)	108	98	109	100
LCS 480-730806/6	Lab Control Sample	103	99	104	98
MB 480-730806/8	Method Blank	104	98	102	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-730806/8
Matrix: Water
Analysis Batch: 730806

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			11/01/24 12:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/01/24 12:39	1
Chloroethane	ND		1.0	0.32	ug/L			11/01/24 12:39	1
Bromomethane	ND		1.0	0.69	ug/L			11/01/24 12:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/01/24 12:39	1
Acetone	ND		10	3.0	ug/L			11/01/24 12:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/01/24 12:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/01/24 12:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/01/24 12:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/01/24 12:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/01/24 12:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/01/24 12:39	1
Chloroform	0.347	J	1.0	0.34	ug/L			11/01/24 12:39	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/01/24 12:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/01/24 12:39	1
Benzene	ND		1.0	0.41	ug/L			11/01/24 12:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/01/24 12:39	1
Trichloroethene	ND		1.0	0.46	ug/L			11/01/24 12:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/01/24 12:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/01/24 12:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/01/24 12:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/01/24 12:39	1
Toluene	ND		1.0	0.51	ug/L			11/01/24 12:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/01/24 12:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/01/24 12:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/01/24 12:39	1
2-Hexanone	ND		5.0	1.2	ug/L			11/01/24 12:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/01/24 12:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/01/24 12:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/01/24 12:39	1
m,p-Xylene	ND		2.0	0.66	ug/L			11/01/24 12:39	1
o-Xylene	ND		1.0	0.76	ug/L			11/01/24 12:39	1
Styrene	ND		1.0	0.73	ug/L			11/01/24 12:39	1
Bromoform	ND		1.0	0.26	ug/L			11/01/24 12:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/01/24 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/01/24 12:39*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/01/24 12:39*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*11/01/24 12:39*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/01/24 12:39*	*1*

Lab Sample ID: LCS 480-730806/6
Matrix: Water
Analysis Batch: 730806

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			25.0	31.1	*+	ug/L		125	68 - 124		

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

Lab Sample ID: LCS 480-730806/6
Matrix: Water
Analysis Batch: 730806

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.0	32.4		ug/L		130	65 - 133
Chloroethane	25.0	31.1		ug/L		124	69 - 136
Bromomethane	25.0	25.1		ug/L		100	55 - 144
1,1-Dichloroethene	25.0	25.7		ug/L		103	66 - 127
Acetone	125	170		ug/L		136	56 - 142
Carbon disulfide	25.0	25.2		ug/L		101	59 - 134
Methylene Chloride	25.0	27.2		ug/L		109	75 - 124
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127
1,1-Dichloroethane	25.0	26.9		ug/L		108	77 - 120
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
2-Butanone (MEK)	125	164		ug/L		131	57 - 140
Chloroform	25.0	24.6		ug/L		98	73 - 127
1,1,1-Trichloroethane	25.0	29.2		ug/L		117	73 - 126
Carbon tetrachloride	25.0	35.9	*+	ug/L		144	72 - 134
Benzene	25.0	25.6		ug/L		102	71 - 124
1,2-Dichloroethane	25.0	26.8		ug/L		107	75 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
1,2-Dichloropropane	25.0	25.4		ug/L		102	76 - 120
Bromodichloromethane	25.0	30.1		ug/L		120	80 - 122
cis-1,3-Dichloropropene	25.0	27.8		ug/L		111	74 - 124
4-Methyl-2-pentanone (MIBK)	125	148		ug/L		119	71 - 125
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,3-Dichloropropene	25.0	27.9		ug/L		111	80 - 120
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
2-Hexanone	125	157		ug/L		126	65 - 127
Dibromochloromethane	25.0	32.9	*+	ug/L		132	75 - 125
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
m,p-Xylene	25.0	26.3		ug/L		105	76 - 122
o-Xylene	25.0	26.3		ug/L		105	76 - 122
Styrene	25.0	26.5		ug/L		106	80 - 120
Bromoform	25.0	37.1	*+	ug/L		149	61 - 132
1,1,2,2-Tetrachloroethane	25.0	27.8		ug/L		111	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-730571/4
Matrix: Water
Analysis Batch: 730571

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			10/31/24 08:15	1

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

Lab Sample ID: MB 480-730571/4
Matrix: Water
Analysis Batch: 730571

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			10/31/24 08:15	1
Ethene	ND		7.0	1.5	ug/L			10/31/24 08:15	1

Lab Sample ID: LCS 480-730571/5
Matrix: Water
Analysis Batch: 730571

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	19.8		ug/L		102	85 - 120
Ethane	36.5	37.0		ug/L		101	79 - 120
Ethene	34.0	34.1		ug/L		100	85 - 120

Lab Sample ID: LCSD 480-730571/6
Matrix: Water
Analysis Batch: 730571

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	19.5	19.4		ug/L		99	85 - 120	2	50
Ethane	36.5	36.3		ug/L		99	79 - 120	2	50
Ethene	34.0	33.4		ug/L		98	85 - 120	2	50

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 480-731242/4
Matrix: Water
Analysis Batch: 731242

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			11/05/24 15:47	1

Lab Sample ID: LCS 480-731242/5
Matrix: Water
Analysis Batch: 731242

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.1	49.28		mg/L		98	90 - 110

Method: SM 5310C - TOC

Lab Sample ID: MB 480-731475/4
Matrix: Water
Analysis Batch: 731475

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			11/05/24 13:04	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 480-731475/5
Matrix: Water
Analysis Batch: 731475

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	62.37		mg/L		104	90 - 110

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224936-1
Project/Site: Bell Aerospace Textron

GC/MS VOA

Analysis Batch: 730806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224936-1	89-15(1)	Total/NA	Water	8260C	
MB 480-730806/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730806/6	Lab Control Sample	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 730571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224936-1	89-15(1)	Total/NA	Water	RSK-175	
MB 480-730571/4	Method Blank	Total/NA	Water	RSK-175	
LCS 480-730571/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-730571/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 731242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224936-1	89-15(1)	Total/NA	Water	9056A	
MB 480-731242/4	Method Blank	Total/NA	Water	9056A	
LCS 480-731242/5	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 731475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224936-1	89-15(1)	Total/NA	Water	SM 5310C	
MB 480-731475/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-731475/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-224936-1

Client Sample ID: 89-15(1)

Date Collected: 10/29/24 12:45
Date Received: 10/29/24 13:30

Lab Sample ID: 480-224936-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	730806	ERS	EET BUF	11/01/24 18:19
Total/NA	Analysis	RSK-175		44	730571	JLS	EET BUF	10/31/24 09:51
Total/NA	Analysis	9056A		5	731242	AF	EET BUF	11/05/24 19:58
Total/NA	Analysis	SM 5310C		10	731475	AF	EET BUF	11/05/24 22:03

Laboratory References:

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224936-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224936-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
9056A	Anions, Ion Chromatography	SW846	EET BUF
SM 5310C	TOC	SM	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-224936-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224936-1	89-15(1)	Water	10/29/24 12:45	10/29/24 13:30

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kevin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	_____ of _____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron Annual Sampling	☐ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
P O # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
89-15(1)	10/28/24	1245	G	W	10	N	N	x	X	X	X	
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if sa

☐ Return to Client ☐ Disposal by Lab

480-224936 Chain of Custody

Special Instructions/QC Requirements & Comments:

4.1 ICE IR# 5C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: APTIM	Date/Time: 10/28/24 1330	Received by:	Company: TAB
Relinquished by:	Company:	Date/Time:	Received by:	Company:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:

Date/Time: 10-29-24 1330
Date/Time:
Date/Time:

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-224936-1

Login Number: 224936
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 11/4/2024 10:56:45 AM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-224720-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC VOA

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

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-224720-1 Eurofins Buffalo

Job Narrative
480-224720-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/23/2024 5:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.7°C.

GC/MS VOA
Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-729823 were outside control limits for one or more analytes. See QC Sample Results for detail. The following associated samples are impacted: EW-4 (480-224720-4[MS]) and EW-4 (480-224720-4[MSD]).

Method 8260C: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: EW-4 (480-224720-4[MS]). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-729823 recovered outside control limits for the following analytes: Tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following associated samples are impacted: EW-2 (480-224720-2), EW-4 (480-224720-4), EW-5 (480-224720-5) and EW-6 (480-224720-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-729823 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: EW-2 (480-224720-2), EW-4 (480-224720-4), EW-5 (480-224720-5) and EW-6 (480-224720-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-729823 recovered above the upper control limit for 1,1,1-Trichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: EW-4 (480-224720-4), EW-5 (480-224720-5) and EW-6 (480-224720-6).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-729823 was outside the method criteria for the following analyte(s): 1,1,1-Trichloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The following associated sample is impacted: EW-2 (480-224720-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-729961 recovered above the upper control limit for Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 89-12(1) (480-224720-7), 93-03(1) (480-224720-8), DW-12 (480-224720-9), DUP-01 (480-224720-10), 87-10(1) (480-224720-11), 87-10(0) (480-224720-12), 89-10(1) (480-224720-13), DW-11 (480-224720-15), 87-20(1) (480-224720-17), 87-20(0) (480-224720-18), 89-04(1) (480-224720-19), 87-21(1) (480-224720-20), 89-14(1) (480-224720-21), 89-14(0) (480-224720-22), B-14(1) (480-224720-23), FB-1 (480-224720-24), 87-02(1) (480-224720-25) and 87-02(3) (480-224720-26).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 89-12(1) (480-224720-7), 87-10(1) (480-224720-11), 89-10(1) (480-224720-13), DW-11 (480-224720-15), 89-14(1) (480-224720-21), B-14(1) (480-224720-23) and 87-02(1) (480-224720-25). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: DUP-01 (480-224720-10), 87-20(1) (480-224720-17), 89-14(0) (480-224720-22), (480-224720-C-10 MS) and

(480-224720-C-10 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 86-23(B) (480-224720-1), EW-3 (480-224720-3), 89-10(1) (480-224720-13), 87-01(1) (480-224720-14) and EW-13 (480-224720-28). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-729904 recovered above the upper control limit for Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: 86-23(B) (480-224720-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-729904 recovered outside acceptance criteria, low biased, for Chloromethane and 2-Butanone. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The surrogate recovery for the blank associated with analytical batch 480-730065 was outside the upper control limits.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-730065 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The following associated sample is impacted: EW-3 (480-224720-3).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-730065 recovered outside control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following associated sample is impacted: EW-3 (480-224720-3).

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-730065 . The following sample was affected : EW-3 (480-224720-3).

Method 8260C: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): EW-3 (480-224720-3).

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

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

General Chemistry
Method 9056A_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: 87-10(1) (480-224720-11) and 89-10(1) (480-224720-13). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 86-23(B) — Lab Sample ID: 480-224720-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1200		20	18	ug/L	20		8260C	Total/NA
Methylene Chloride	9.7	J	20	8.8	ug/L	20		8260C	Total/NA
1,1-Dichloroethane	18	J	20	7.6	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	88		20	16	ug/L	20		8260C	Total/NA
1,1,1-Trichloroethane	35		20	16	ug/L	20		8260C	Total/NA

Client Sample ID: EW-2 — Lab Sample ID: 480-224720-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.2		1.0	0.90	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.8		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	19		1.0	0.81	ug/L	1		8260C	Total/NA
Chloroform	5.1		1.0	0.34	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane	4.3		1.0	0.82	ug/L	1		8260C	Total/NA
Trichloroethene	4.7		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: EW-3 — Lab Sample ID: 480-224720-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	700		20	18	ug/L	20		8260C	Total/NA
1,1-Dichloroethane	12	J	20	7.6	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	56		20	16	ug/L	20		8260C	Total/NA

Client Sample ID: EW-4 — Lab Sample ID: 480-224720-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	17	F2	1.0	0.90	ug/L	1		8260C	Total/NA
Carbon disulfide	0.32	J	1.0	0.19	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.9	F2	1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: EW-5 — Lab Sample ID: 480-224720-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	30		1.0	0.90	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.66	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: EW-6 — Lab Sample ID: 480-224720-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.79	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.1		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: 89-12(1) — Lab Sample ID: 480-224720-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	980		40	36	ug/L	40		8260C	Total/NA
Methylene Chloride	23	J	40	18	ug/L	40		8260C	Total/NA
1,1-Dichloroethane	20	J	40	15	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	390		40	32	ug/L	40		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 93-03(1) — Lab Sample ID: 480-224720-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.32	J	1.0	0.19	ug/L	1		8260C	Total/NA

Client Sample ID: DW-12 — Lab Sample ID: 480-224720-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.73	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 480-224720-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	840		200	180	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	350		200	160	ug/L	200		8260C	Total/NA

Client Sample ID: 87-10(1) — Lab Sample ID: 480-224720-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	240		10	9.0	ug/L	10		8260C	Total/NA
Methylene Chloride	5.9	J	10	4.4	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	14		10	3.8	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	180		10	8.1	ug/L	10		8260C	Total/NA
1,1,1-Trichloroethane	22		10	8.2	ug/L	10		8260C	Total/NA
Trichloroethene	5.7	J	10	4.6	ug/L	10		8260C	Total/NA
Methane	120		4.0	1.0	ug/L	1		RSK-175	Total/NA
Ethane	1.5	J	7.5	1.5	ug/L	1		RSK-175	Total/NA
Ethene	180		7.0	1.5	ug/L	1		RSK-175	Total/NA
Sulfate	1240	B	20.0	3.5	mg/L	10		9056A	Total/NA

Client Sample ID: 87-10(0) — Lab Sample ID: 480-224720-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.5		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.7		1.0	0.81	ug/L	1		8260C	Total/NA
Chloroform	4.5		1.0	0.34	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane	10		1.0	0.82	ug/L	1		8260C	Total/NA
Trichloroethene	0.72	J	1.0	0.46	ug/L	1		8260C	Total/NA
Bromodichloromethane	0.53	J	1.0	0.39	ug/L	1		8260C	Total/NA

Client Sample ID: 89-10(1) — Lab Sample ID: 480-224720-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	600		10	9.0	ug/L	10		8260C	Total/NA
Methylene Chloride	190		10	4.4	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	8.1	J	10	3.8	ug/L	10		8260C	Total/NA
Trichloroethene	340		10	4.6	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene - DL	1600		25	20	ug/L	25		8260C	Total/NA
Methane	18		4.0	1.0	ug/L	1		RSK-175	Total/NA
Ethane	6.4	J	7.5	1.5	ug/L	1		RSK-175	Total/NA
Ethene	130		7.0	1.5	ug/L	1		RSK-175	Total/NA
Sulfate	800	B	20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	3.4	B	1.0	0.43	mg/L	1		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-01(1) — Lab Sample ID: 480-224720-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2900		40	36	ug/L	40		8260C	Total/NA
1,1-Dichloroethene	14	J	40	12	ug/L	40		8260C	Total/NA
1,1-Dichloroethane	88		40	15	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	2900		40	32	ug/L	40		8260C	Total/NA
Trichloroethene	52		40	18	ug/L	40		8260C	Total/NA

Client Sample ID: DW-11 — Lab Sample ID: 480-224720-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	41		2.0	1.8	ug/L	2		8260C	Total/NA
Methylene Chloride	1.4	J	2.0	0.88	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	8.5		2.0	0.76	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	21		2.0	1.6	ug/L	2		8260C	Total/NA
1,1,1-Trichloroethane	6.3		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	5.7		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: 87-20(1)HS — Lab Sample ID: 480-224720-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	3.4		1.0	0.90	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.4		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	17		1.0	0.81	ug/L	1		8260C	Total/NA
Chloroform	3.8		1.0	0.34	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane	6.0		1.0	0.82	ug/L	1		8260C	Total/NA
Trichloroethene	5.9		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 87-20(1) — Lab Sample ID: 480-224720-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	4.0		2.0	1.8	ug/L	2		8260C	Total/NA
Methylene Chloride	0.91	J	2.0	0.88	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.4		2.0	0.76	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	14		2.0	1.6	ug/L	2		8260C	Total/NA
Chloroform	3.2		2.0	0.68	ug/L	2		8260C	Total/NA
1,1,1-Trichloroethane	5.0		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	4.9		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: 87-20(0) — Lab Sample ID: 480-224720-18

No Detections.

Client Sample ID: 89-04(1) — Lab Sample ID: 480-224720-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	4.3		1.0	0.19	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.98	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 87-21(1) — Lab Sample ID: 480-224720-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.9		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	8.9		1.0	0.81	ug/L	1		8260C	Total/NA
Chloroform	3.8		1.0	0.34	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: 87-21(1) (Continued) — Lab Sample ID: 480-224720-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.4		1.0	0.82	ug/L	1		8260C	Total/NA
Trichloroethene	3.0		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 89-14(1) — Lab Sample ID: 480-224720-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	75		2.0	1.8	ug/L	2		8260C	Total/NA
Methylene Chloride	1.3	J	2.0	0.88	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	8.4		2.0	0.76	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	16		2.0	1.6	ug/L	2		8260C	Total/NA

Client Sample ID: 89-14(0) — Lab Sample ID: 480-224720-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.4	J	2.0	0.88	ug/L	2		8260C	Total/NA

Client Sample ID: B-14(1) — Lab Sample ID: 480-224720-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	94		4.0	3.6	ug/L	4		8260C	Total/NA
Methylene Chloride	3.2	J	4.0	1.8	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	9.6		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	62		4.0	3.2	ug/L	4		8260C	Total/NA
1,1,1-Trichloroethane	24		4.0	3.3	ug/L	4		8260C	Total/NA

Client Sample ID: FB-1 — Lab Sample ID: 480-224720-24

No Detections.

Client Sample ID: 87-02(1) — Lab Sample ID: 480-224720-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	970		10	9.0	ug/L	10		8260C	Total/NA
Methylene Chloride	8.2	J	10	4.4	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	9.0	J	10	9.0	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	20		10	3.8	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	330		10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene	13		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: 87-02(3) — Lab Sample ID: 480-224720-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.22	J	1.0	0.19	ug/L	1		8260C	Total/NA

Client Sample ID: EW-7 — Lab Sample ID: 480-224720-27

No Detections.

Client Sample ID: EW-13 — Lab Sample ID: 480-224720-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	420		8.0	7.2	ug/L	8		8260C	Total/NA
Methylene Chloride	11		8.0	3.5	ug/L	8		8260C	Total/NA
1,1-Dichloroethane	17		8.0	3.0	ug/L	8		8260C	Total/NA
cis-1,2-Dichloroethene	110		8.0	6.5	ug/L	8		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: EW-13 (Continued)
Lab Sample ID: 480-224720-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	27		8.0	6.6	ug/L	8		8260C	Total/NA

Client Sample ID: TRIP BLANK-01
Lab Sample ID: 480-224720-29

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 86-23(B)
Lab Sample ID: 480-224720-1
Date Collected: 10/22/24 10:05
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		20	7.0	ug/L			10/26/24 16:20	20
Vinyl chloride	**1200**		20	18	ug/L			10/26/24 16:20	20
Chloroethane	ND		20	6.4	ug/L			10/26/24 16:20	20
Bromomethane	ND		20	14	ug/L			10/26/24 16:20	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/26/24 16:20	20
Acetone	ND		200	60	ug/L			10/26/24 16:20	20
Carbon disulfide	ND		20	3.8	ug/L			10/26/24 16:20	20
Methylene Chloride	**9.7**	**J**	20	8.8	ug/L			10/26/24 16:20	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/26/24 16:20	20
1,1-Dichloroethane	**18**	**J**	20	7.6	ug/L			10/26/24 16:20	20
cis-1,2-Dichloroethene	**88**		20	16	ug/L			10/26/24 16:20	20
2-Butanone (MEK)	ND		200	26	ug/L			10/26/24 16:20	20
Chloroform	ND		20	6.8	ug/L			10/26/24 16:20	20
1,1,1-Trichloroethane	**35**		20	16	ug/L			10/26/24 16:20	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/26/24 16:20	20
Benzene	ND		20	8.2	ug/L			10/26/24 16:20	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/26/24 16:20	20
Trichloroethene	ND		20	9.2	ug/L			10/26/24 16:20	20
1,2-Dichloropropane	ND		20	14	ug/L			10/26/24 16:20	20
Bromodichloromethane	ND		20	7.8	ug/L			10/26/24 16:20	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/26/24 16:20	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/26/24 16:20	20
Toluene	ND		20	10	ug/L			10/26/24 16:20	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/26/24 16:20	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/26/24 16:20	20
Tetrachloroethene	ND		20	7.2	ug/L			10/26/24 16:20	20
2-Hexanone	ND		100	25	ug/L			10/26/24 16:20	20
Dibromochloromethane	ND		20	6.4	ug/L			10/26/24 16:20	20
Chlorobenzene	ND		20	15	ug/L			10/26/24 16:20	20
Ethylbenzene	ND		20	15	ug/L			10/26/24 16:20	20
m,p-Xylene	ND		40	13	ug/L			10/26/24 16:20	20
o-Xylene	ND		20	15	ug/L			10/26/24 16:20	20
Styrene	ND		20	15	ug/L			10/26/24 16:20	20
Bromoform	ND		20	5.2	ug/L			10/26/24 16:20	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/26/24 16:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*10/26/24 16:20*	*20*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/26/24 16:20*	*20*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/26/24 16:20*	*20*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/26/24 16:20*	*20*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-2
Lab Sample ID: 480-224720-2

Date Collected: 10/22/24 10:55
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/26/24 02:16	1
Vinyl chloride	**2.2**		1.0	0.90	ug/L			10/26/24 02:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/24 02:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/24 02:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/24 02:16	1
Acetone	ND		10	3.0	ug/L			10/26/24 02:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/24 02:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/24 02:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/24 02:16	1
1,1-Dichloroethane	**3.8**		1.0	0.38	ug/L			10/26/24 02:16	1
cis-1,2-Dichloroethene	**19**		1.0	0.81	ug/L			10/26/24 02:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/24 02:16	1
Chloroform	**5.1**		1.0	0.34	ug/L			10/26/24 02:16	1
1,1,1-Trichloroethane	**4.3**		1.0	0.82	ug/L			10/26/24 02:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/24 02:16	1
Benzene	ND		1.0	0.41	ug/L			10/26/24 02:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/24 02:16	1
Trichloroethene	**4.7**		1.0	0.46	ug/L			10/26/24 02:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/24 02:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/24 02:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/24 02:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/24 02:16	1
Toluene	ND		1.0	0.51	ug/L			10/26/24 02:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/24 02:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/24 02:16	1
Tetrachloroethene	ND	*+	1.0	0.36	ug/L			10/26/24 02:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/24 02:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/24 02:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/24 02:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/24 02:16	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/26/24 02:16	1
o-Xylene	ND		1.0	0.76	ug/L			10/26/24 02:16	1
Styrene	ND		1.0	0.73	ug/L			10/26/24 02:16	1
Bromoform	ND		1.0	0.26	ug/L			10/26/24 02:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/24 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/26/24 02:16*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*10/26/24 02:16*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/26/24 02:16*	*1*
Toluene-d8 (Surr)	*116*		*80 - 120*		*10/26/24 02:16*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-3
Lab Sample ID: 480-224720-3

Date Collected: 10/22/24 11:15
Matrix: Water

Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	*+	20	7.0	ug/L			10/28/24 15:20	20
Vinyl chloride	**700**		20	18	ug/L			10/28/24 15:20	20
Chloroethane	ND		20	6.4	ug/L			10/28/24 15:20	20
Bromomethane	ND		20	14	ug/L			10/28/24 15:20	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/28/24 15:20	20
Acetone	ND		200	60	ug/L			10/28/24 15:20	20
Carbon disulfide	ND		20	3.8	ug/L			10/28/24 15:20	20
Methylene Chloride	ND		20	8.8	ug/L			10/28/24 15:20	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/28/24 15:20	20
1,1-Dichloroethane	**12**	**J**	20	7.6	ug/L			10/28/24 15:20	20
cis-1,2-Dichloroethene	**56**		20	16	ug/L			10/28/24 15:20	20
2-Butanone (MEK)	ND	*+	200	26	ug/L			10/28/24 15:20	20
Chloroform	ND		20	6.8	ug/L			10/28/24 15:20	20
1,1,1-Trichloroethane	ND		20	16	ug/L			10/28/24 15:20	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/28/24 15:20	20
Benzene	ND		20	8.2	ug/L			10/28/24 15:20	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/28/24 15:20	20
Trichloroethene	ND		20	9.2	ug/L			10/28/24 15:20	20
1,2-Dichloropropane	ND		20	14	ug/L			10/28/24 15:20	20
Bromodichloromethane	ND		20	7.8	ug/L			10/28/24 15:20	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/28/24 15:20	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/28/24 15:20	20
Toluene	ND		20	10	ug/L			10/28/24 15:20	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/28/24 15:20	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/28/24 15:20	20
Tetrachloroethene	ND		20	7.2	ug/L			10/28/24 15:20	20
2-Hexanone	ND		100	25	ug/L			10/28/24 15:20	20
Dibromochloromethane	ND		20	6.4	ug/L			10/28/24 15:20	20
Chlorobenzene	ND		20	15	ug/L			10/28/24 15:20	20
Ethylbenzene	ND		20	15	ug/L			10/28/24 15:20	20
m,p-Xylene	ND		40	13	ug/L			10/28/24 15:20	20
o-Xylene	ND		20	15	ug/L			10/28/24 15:20	20
Styrene	ND		20	15	ug/L			10/28/24 15:20	20
Bromoform	ND		20	5.2	ug/L			10/28/24 15:20	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/28/24 15:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/28/24 15:20*	*20*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/28/24 15:20*	*20*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/28/24 15:20*	*20*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/28/24 15:20*	*20*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-4
Lab Sample ID: 480-224720-4

Date Collected: 10/22/24 11:35
Matrix: Water

Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	F2	1.0	0.35	ug/L			10/26/24 03:04	1
Vinyl chloride	**17**	**F2**	1.0	0.90	ug/L			10/26/24 03:04	1
Chloroethane	ND	F2 F1	1.0	0.32	ug/L			10/26/24 03:04	1
Bromomethane	ND	F2	1.0	0.69	ug/L			10/26/24 03:04	1
1,1-Dichloroethene	ND	F2 F1	1.0	0.29	ug/L			10/26/24 03:04	1
Acetone	ND	F2	10	3.0	ug/L			10/26/24 03:04	1
Carbon disulfide	**0.32**	**J**	1.0	0.19	ug/L			10/26/24 03:04	1
Methylene Chloride	ND	F2	1.0	0.44	ug/L			10/26/24 03:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/24 03:04	1
1,1-Dichloroethane	**1.0**		1.0	0.38	ug/L			10/26/24 03:04	1
cis-1,2-Dichloroethene	**4.9**	**F2**	1.0	0.81	ug/L			10/26/24 03:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/24 03:04	1
Chloroform	ND		1.0	0.34	ug/L			10/26/24 03:04	1
1,1,1-Trichloroethane	ND	F2 F1	1.0	0.82	ug/L			10/26/24 03:04	1
Carbon tetrachloride	ND	F2 F1	1.0	0.27	ug/L			10/26/24 03:04	1
Benzene	ND		1.0	0.41	ug/L			10/26/24 03:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/24 03:04	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/24 03:04	1
1,2-Dichloropropane	ND	F2 F1	1.0	0.72	ug/L			10/26/24 03:04	1
Bromodichloromethane	ND	F2 F1	1.0	0.39	ug/L			10/26/24 03:04	1
cis-1,3-Dichloropropene	ND	F2 F1	1.0	0.36	ug/L			10/26/24 03:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/24 03:04	1
Toluene	ND	F2 F1	1.0	0.51	ug/L			10/26/24 03:04	1
trans-1,3-Dichloropropene	ND	F2 F1	1.0	0.37	ug/L			10/26/24 03:04	1
1,1,2-Trichloroethane	ND	F2	1.0	0.23	ug/L			10/26/24 03:04	1
Tetrachloroethene	ND	F1 *+	1.0	0.36	ug/L			10/26/24 03:04	1
2-Hexanone	ND	F2	5.0	1.2	ug/L			10/26/24 03:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/24 03:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/24 03:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/24 03:04	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/26/24 03:04	1
o-Xylene	ND		1.0	0.76	ug/L			10/26/24 03:04	1
Styrene	ND		1.0	0.73	ug/L			10/26/24 03:04	1
Bromoform	ND		1.0	0.26	ug/L			10/26/24 03:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/24 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/26/24 03:04*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/26/24 03:04*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/26/24 03:04*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/26/24 03:04*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-5
Lab Sample ID: 480-224720-5

Date Collected: 10/22/24 11:50
Matrix: Water

Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/26/24 03:29	1
Vinyl chloride	**30**		1.0	0.90	ug/L			10/26/24 03:29	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/24 03:29	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/24 03:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/24 03:29	1
Acetone	ND		10	3.0	ug/L			10/26/24 03:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/24 03:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/24 03:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/24 03:29	1
1,1-Dichloroethane	**0.66**	**J**	1.0	0.38	ug/L			10/26/24 03:29	1
cis-1,2-Dichloroethene	**16**		1.0	0.81	ug/L			10/26/24 03:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/24 03:29	1
Chloroform	ND		1.0	0.34	ug/L			10/26/24 03:29	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/24 03:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/24 03:29	1
Benzene	ND		1.0	0.41	ug/L			10/26/24 03:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/24 03:29	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/24 03:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/24 03:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/24 03:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/24 03:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/24 03:29	1
Toluene	ND		1.0	0.51	ug/L			10/26/24 03:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/24 03:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/24 03:29	1
Tetrachloroethene	ND	*+	1.0	0.36	ug/L			10/26/24 03:29	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/24 03:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/24 03:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/24 03:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/24 03:29	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/26/24 03:29	1
o-Xylene	ND		1.0	0.76	ug/L			10/26/24 03:29	1
Styrene	ND		1.0	0.73	ug/L			10/26/24 03:29	1
Bromoform	ND		1.0	0.26	ug/L			10/26/24 03:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/24 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/26/24 03:29*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/26/24 03:29*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/26/24 03:29*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/26/24 03:29*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-6
Lab Sample ID: 480-224720-6

Date Collected: 10/22/24 13:20
Matrix: Water

Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/26/24 03:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/24 03:53	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/24 03:53	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/24 03:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/24 03:53	1
Acetone	ND		10	3.0	ug/L			10/26/24 03:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/24 03:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/24 03:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/24 03:53	1
1,1-Dichloroethane	**0.79**	**J**	1.0	0.38	ug/L			10/26/24 03:53	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.81	ug/L			10/26/24 03:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/24 03:53	1
Chloroform	ND		1.0	0.34	ug/L			10/26/24 03:53	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/24 03:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/24 03:53	1
Benzene	ND		1.0	0.41	ug/L			10/26/24 03:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/24 03:53	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/24 03:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/24 03:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/24 03:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/24 03:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/24 03:53	1
Toluene	ND		1.0	0.51	ug/L			10/26/24 03:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/24 03:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/24 03:53	1
Tetrachloroethene	ND	*+	1.0	0.36	ug/L			10/26/24 03:53	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/24 03:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/24 03:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/24 03:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/24 03:53	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/26/24 03:53	1
o-Xylene	ND		1.0	0.76	ug/L			10/26/24 03:53	1
Styrene	ND		1.0	0.73	ug/L			10/26/24 03:53	1
Bromoform	ND		1.0	0.26	ug/L			10/26/24 03:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/24 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/26/24 03:53*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/26/24 03:53*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*10/26/24 03:53*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/26/24 03:53*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-12(1)
Lab Sample ID: 480-224720-7
Date Collected: 10/22/24 13:30
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		40	14	ug/L			10/27/24 01:49	40
Vinyl chloride	**980**		40	36	ug/L			10/27/24 01:49	40
Chloroethane	ND		40	13	ug/L			10/27/24 01:49	40
Bromomethane	ND		40	28	ug/L			10/27/24 01:49	40
1,1-Dichloroethene	ND		40	12	ug/L			10/27/24 01:49	40
Acetone	ND		400	120	ug/L			10/27/24 01:49	40
Carbon disulfide	ND		40	7.6	ug/L			10/27/24 01:49	40
Methylene Chloride	**23**	**J**	40	18	ug/L			10/27/24 01:49	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/27/24 01:49	40
1,1-Dichloroethane	**20**	**J**	40	15	ug/L			10/27/24 01:49	40
cis-1,2-Dichloroethene	**390**		40	32	ug/L			10/27/24 01:49	40
2-Butanone (MEK)	ND		400	53	ug/L			10/27/24 01:49	40
Chloroform	ND		40	14	ug/L			10/27/24 01:49	40
1,1,1-Trichloroethane	ND		40	33	ug/L			10/27/24 01:49	40
Carbon tetrachloride	ND		40	11	ug/L			10/27/24 01:49	40
Benzene	ND		40	16	ug/L			10/27/24 01:49	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/27/24 01:49	40
Trichloroethene	ND		40	18	ug/L			10/27/24 01:49	40
1,2-Dichloropropane	ND		40	29	ug/L			10/27/24 01:49	40
Bromodichloromethane	ND		40	16	ug/L			10/27/24 01:49	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/27/24 01:49	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/27/24 01:49	40
Toluene	ND		40	20	ug/L			10/27/24 01:49	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/27/24 01:49	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/27/24 01:49	40
Tetrachloroethene	ND		40	14	ug/L			10/27/24 01:49	40
2-Hexanone	ND		200	50	ug/L			10/27/24 01:49	40
Dibromochloromethane	ND		40	13	ug/L			10/27/24 01:49	40
Chlorobenzene	ND		40	30	ug/L			10/27/24 01:49	40
Ethylbenzene	ND		40	30	ug/L			10/27/24 01:49	40
m,p-Xylene	ND		80	26	ug/L			10/27/24 01:49	40
o-Xylene	ND		40	30	ug/L			10/27/24 01:49	40
Styrene	ND		40	29	ug/L			10/27/24 01:49	40
Bromoform	ND		40	10	ug/L			10/27/24 01:49	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			10/27/24 01:49	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/27/24 01:49*	*40*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/27/24 01:49*	*40*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/27/24 01:49*	*40*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/27/24 01:49*	*40*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 93-03(1)
Lab Sample ID: 480-224720-8
Date Collected: 10/22/24 14:15
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 02:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 02:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 02:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 02:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 02:11	1
Acetone	ND		10	3.0	ug/L			10/27/24 02:11	1
Carbon disulfide	**0.32**	**J**	1.0	0.19	ug/L			10/27/24 02:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 02:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 02:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 02:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 02:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 02:11	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 02:11	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 02:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 02:11	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 02:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 02:11	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 02:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 02:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 02:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 02:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 02:11	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 02:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 02:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 02:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 02:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 02:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 02:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 02:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 02:11	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 02:11	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 02:11	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 02:11	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 02:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/27/24 02:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/27/24 02:11*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/27/24 02:11*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/27/24 02:11*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DW-12
Lab Sample ID: 480-224720-9

Date Collected: 10/22/24 14:40
Matrix: Water

Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 02:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 02:33	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 02:33	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 02:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 02:33	1
Acetone	ND		10	3.0	ug/L			10/27/24 02:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 02:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 02:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 02:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 02:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 02:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 02:33	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 02:33	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 02:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 02:33	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 02:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 02:33	1
Trichloroethene	**0.73**	**J**	1.0	0.46	ug/L			10/27/24 02:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 02:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 02:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 02:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 02:33	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 02:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 02:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 02:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 02:33	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 02:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 02:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 02:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 02:33	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 02:33	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 02:33	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 02:33	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 02:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/27/24 02:33*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/27/24 02:33*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/27/24 02:33*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/27/24 02:33*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DUP-01
Lab Sample ID: 480-224720-10
Date Collected: 10/22/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		200	70	ug/L			10/27/24 02:56	200
Vinyl chloride	**840**		200	180	ug/L			10/27/24 02:56	200
Chloroethane	ND		200	64	ug/L			10/27/24 02:56	200
Bromomethane	ND		200	140	ug/L			10/27/24 02:56	200
1,1-Dichloroethene	ND		200	58	ug/L			10/27/24 02:56	200
Acetone	ND		2000	600	ug/L			10/27/24 02:56	200
Carbon disulfide	ND		200	38	ug/L			10/27/24 02:56	200
Methylene Chloride	ND		200	88	ug/L			10/27/24 02:56	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/27/24 02:56	200
1,1-Dichloroethane	ND		200	76	ug/L			10/27/24 02:56	200
cis-1,2-Dichloroethene	**350**		200	160	ug/L			10/27/24 02:56	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/27/24 02:56	200
Chloroform	ND		200	68	ug/L			10/27/24 02:56	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/27/24 02:56	200
Carbon tetrachloride	ND		200	54	ug/L			10/27/24 02:56	200
Benzene	ND		200	82	ug/L			10/27/24 02:56	200
1,2-Dichloroethane	ND		200	42	ug/L			10/27/24 02:56	200
Trichloroethene	ND		200	92	ug/L			10/27/24 02:56	200
1,2-Dichloropropane	ND		200	140	ug/L			10/27/24 02:56	200
Bromodichloromethane	ND		200	78	ug/L			10/27/24 02:56	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/27/24 02:56	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/27/24 02:56	200
Toluene	ND		200	100	ug/L			10/27/24 02:56	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/27/24 02:56	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/27/24 02:56	200
Tetrachloroethene	ND		200	72	ug/L			10/27/24 02:56	200
2-Hexanone	ND		1000	250	ug/L			10/27/24 02:56	200
Dibromochloromethane	ND		200	64	ug/L			10/27/24 02:56	200
Chlorobenzene	ND		200	150	ug/L			10/27/24 02:56	200
Ethylbenzene	ND		200	150	ug/L			10/27/24 02:56	200
m,p-Xylene	ND		400	130	ug/L			10/27/24 02:56	200
o-Xylene	ND		200	150	ug/L			10/27/24 02:56	200
Styrene	ND		200	150	ug/L			10/27/24 02:56	200
Bromoform	ND		200	52	ug/L			10/27/24 02:56	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			10/27/24 02:56	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/27/24 02:56*	*200*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/27/24 02:56*	*200*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*10/27/24 02:56*	*200*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/27/24 02:56*	*200*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-10(1)
Lab Sample ID: 480-224720-11
Date Collected: 10/22/24 16:10
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	3.5	ug/L			10/27/24 03:18	10
Vinyl chloride	**240**		10	9.0	ug/L			10/27/24 03:18	10
Chloroethane	ND		10	3.2	ug/L			10/27/24 03:18	10
Bromomethane	ND		10	6.9	ug/L			10/27/24 03:18	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/27/24 03:18	10
Acetone	ND		100	30	ug/L			10/27/24 03:18	10
Carbon disulfide	ND		10	1.9	ug/L			10/27/24 03:18	10
Methylene Chloride	**5.9**	**J**	10	4.4	ug/L			10/27/24 03:18	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/27/24 03:18	10
1,1-Dichloroethane	**14**		10	3.8	ug/L			10/27/24 03:18	10
cis-1,2-Dichloroethene	**180**		10	8.1	ug/L			10/27/24 03:18	10
2-Butanone (MEK)	ND		100	13	ug/L			10/27/24 03:18	10
Chloroform	ND		10	3.4	ug/L			10/27/24 03:18	10
1,1,1-Trichloroethane	**22**		10	8.2	ug/L			10/27/24 03:18	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/27/24 03:18	10
Benzene	ND		10	4.1	ug/L			10/27/24 03:18	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/27/24 03:18	10
Trichloroethene	**5.7**	**J**	10	4.6	ug/L			10/27/24 03:18	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/27/24 03:18	10
Bromodichloromethane	ND		10	3.9	ug/L			10/27/24 03:18	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/27/24 03:18	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/27/24 03:18	10
Toluene	ND		10	5.1	ug/L			10/27/24 03:18	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/27/24 03:18	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/27/24 03:18	10
Tetrachloroethene	ND		10	3.6	ug/L			10/27/24 03:18	10
2-Hexanone	ND		50	12	ug/L			10/27/24 03:18	10
Dibromochloromethane	ND		10	3.2	ug/L			10/27/24 03:18	10
Chlorobenzene	ND		10	7.5	ug/L			10/27/24 03:18	10
Ethylbenzene	ND		10	7.4	ug/L			10/27/24 03:18	10
m,p-Xylene	ND		20	6.6	ug/L			10/27/24 03:18	10
o-Xylene	ND		10	7.6	ug/L			10/27/24 03:18	10
Styrene	ND		10	7.3	ug/L			10/27/24 03:18	10
Bromoform	ND		10	2.6	ug/L			10/27/24 03:18	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/27/24 03:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/27/24 03:18*	*10*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/27/24 03:18*	*10*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/27/24 03:18*	*10*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/27/24 03:18*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**120**		4.0	1.0	ug/L			10/25/24 09:47	1
Ethane	**1.5**	**J**	7.5	1.5	ug/L			10/25/24 09:47	1
Ethene	**180**		7.0	1.5	ug/L			10/25/24 09:47	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-10(1)
Lab Sample ID: 480-224720-11
Date Collected: 10/22/24 16:10
Matrix: Water
Date Received: 10/23/24 17:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	**1240**	**B**	20.0	3.5	mg/L			10/29/24 17:09	10
Total Organic Carbon (SM 5310C)	ND		1.0	0.43	mg/L			10/30/24 00:30	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-10(0)
Lab Sample ID: 480-224720-12
Date Collected: 10/22/24 15:15
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 03:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 03:40	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 03:40	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 03:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 03:40	1
Acetone	ND		10	3.0	ug/L			10/27/24 03:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 03:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 03:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 03:40	1
1,1-Dichloroethane	**2.5**		1.0	0.38	ug/L			10/27/24 03:40	1
cis-1,2-Dichloroethene	**5.7**		1.0	0.81	ug/L			10/27/24 03:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 03:40	1
Chloroform	**4.5**		1.0	0.34	ug/L			10/27/24 03:40	1
1,1,1-Trichloroethane	**10**		1.0	0.82	ug/L			10/27/24 03:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 03:40	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 03:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 03:40	1
Trichloroethene	**0.72**	**J**	1.0	0.46	ug/L			10/27/24 03:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 03:40	1
Bromodichloromethane	**0.53**	**J**	1.0	0.39	ug/L			10/27/24 03:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 03:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 03:40	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 03:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 03:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 03:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 03:40	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 03:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 03:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 03:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 03:40	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 03:40	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 03:40	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 03:40	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 03:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*10/27/24 03:40*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/27/24 03:40*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*10/27/24 03:40*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*10/27/24 03:40*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-10(1)
Lab Sample ID: 480-224720-13
Date Collected: 10/23/24 15:45
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	3.5	ug/L			10/27/24 04:03	10
Vinyl chloride	**600**		10	9.0	ug/L			10/27/24 04:03	10
Chloroethane	ND		10	3.2	ug/L			10/27/24 04:03	10
Bromomethane	ND		10	6.9	ug/L			10/27/24 04:03	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/27/24 04:03	10
Acetone	ND		100	30	ug/L			10/27/24 04:03	10
Carbon disulfide	ND		10	1.9	ug/L			10/27/24 04:03	10
Methylene Chloride	**190**		10	4.4	ug/L			10/27/24 04:03	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/27/24 04:03	10
1,1-Dichloroethane	**8.1**	**J**	10	3.8	ug/L			10/27/24 04:03	10
2-Butanone (MEK)	ND		100	13	ug/L			10/27/24 04:03	10
Chloroform	ND		10	3.4	ug/L			10/27/24 04:03	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			10/27/24 04:03	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/27/24 04:03	10
Benzene	ND		10	4.1	ug/L			10/27/24 04:03	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/27/24 04:03	10
Trichloroethene	**340**		10	4.6	ug/L			10/27/24 04:03	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/27/24 04:03	10
Bromodichloromethane	ND		10	3.9	ug/L			10/27/24 04:03	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/27/24 04:03	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/27/24 04:03	10
Toluene	ND		10	5.1	ug/L			10/27/24 04:03	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/27/24 04:03	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/27/24 04:03	10
Tetrachloroethene	ND		10	3.6	ug/L			10/27/24 04:03	10
2-Hexanone	ND		50	12	ug/L			10/27/24 04:03	10
Dibromochloromethane	ND		10	3.2	ug/L			10/27/24 04:03	10
Chlorobenzene	ND		10	7.5	ug/L			10/27/24 04:03	10
Ethylbenzene	ND		10	7.4	ug/L			10/27/24 04:03	10
m,p-Xylene	ND		20	6.6	ug/L			10/27/24 04:03	10
o-Xylene	ND		10	7.6	ug/L			10/27/24 04:03	10
Styrene	ND		10	7.3	ug/L			10/27/24 04:03	10
Bromoform	ND		10	2.6	ug/L			10/27/24 04:03	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/27/24 04:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/27/24 04:03*	*10*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/27/24 04:03*	*10*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/27/24 04:03*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/27/24 04:03*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1600**		25	20	ug/L			10/27/24 15:37	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*10/27/24 15:37*	*25*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/27/24 15:37*	*25*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*10/27/24 15:37*	*25*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/27/24 15:37*	*25*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-10(1)
Lab Sample ID: 480-224720-13
Date Collected: 10/23/24 15:45
Matrix: Water
Date Received: 10/23/24 17:10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	18		4.0	1.0	ug/L			10/25/24 10:06	1
Ethane	6.4	J	7.5	1.5	ug/L			10/25/24 10:06	1
Ethene	130		7.0	1.5	ug/L			10/25/24 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	800	B	20.0	3.5	mg/L			10/29/24 17:24	10
Total Organic Carbon (SM 5310C)	3.4	B	1.0	0.43	mg/L			10/30/24 01:27	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-01(1)
Date Collected: 10/22/24 17:05
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		40	14	ug/L			10/27/24 16:00	40
Vinyl chloride	**2900**		40	36	ug/L			10/27/24 16:00	40
Chloroethane	ND		40	13	ug/L			10/27/24 16:00	40
Bromomethane	ND		40	28	ug/L			10/27/24 16:00	40
1,1-Dichloroethene	**14**	**J**	40	12	ug/L			10/27/24 16:00	40
Acetone	ND		400	120	ug/L			10/27/24 16:00	40
Carbon disulfide	ND		40	7.6	ug/L			10/27/24 16:00	40
Methylene Chloride	ND		40	18	ug/L			10/27/24 16:00	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/27/24 16:00	40
1,1-Dichloroethane	**88**		40	15	ug/L			10/27/24 16:00	40
cis-1,2-Dichloroethene	**2900**		40	32	ug/L			10/27/24 16:00	40
2-Butanone (MEK)	ND		400	53	ug/L			10/27/24 16:00	40
Chloroform	ND		40	14	ug/L			10/27/24 16:00	40
1,1,1-Trichloroethane	ND		40	33	ug/L			10/27/24 16:00	40
Carbon tetrachloride	ND		40	11	ug/L			10/27/24 16:00	40
Benzene	ND		40	16	ug/L			10/27/24 16:00	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/27/24 16:00	40
Trichloroethene	**52**		40	18	ug/L			10/27/24 16:00	40
1,2-Dichloropropane	ND		40	29	ug/L			10/27/24 16:00	40
Bromodichloromethane	ND		40	16	ug/L			10/27/24 16:00	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/27/24 16:00	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/27/24 16:00	40
Toluene	ND		40	20	ug/L			10/27/24 16:00	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/27/24 16:00	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/27/24 16:00	40
Tetrachloroethene	ND		40	14	ug/L			10/27/24 16:00	40
2-Hexanone	ND		200	50	ug/L			10/27/24 16:00	40
Dibromochloromethane	ND		40	13	ug/L			10/27/24 16:00	40
Chlorobenzene	ND		40	30	ug/L			10/27/24 16:00	40
Ethylbenzene	ND		40	30	ug/L			10/27/24 16:00	40
m,p-Xylene	ND		80	26	ug/L			10/27/24 16:00	40
o-Xylene	ND		40	30	ug/L			10/27/24 16:00	40
Styrene	ND		40	29	ug/L			10/27/24 16:00	40
Bromoform	ND		40	10	ug/L			10/27/24 16:00	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			10/27/24 16:00	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/27/24 16:00*	*40*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/27/24 16:00*	*40*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/27/24 16:00*	*40*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/27/24 16:00*	*40*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DW-11
Date Collected: 10/22/24 17:00
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			10/27/24 04:48	2
Vinyl chloride	**41**		2.0	1.8	ug/L			10/27/24 04:48	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/24 04:48	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/24 04:48	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/24 04:48	2
Acetone	ND		20	6.0	ug/L			10/27/24 04:48	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/24 04:48	2
Methylene Chloride	**1.4**	**J**	2.0	0.88	ug/L			10/27/24 04:48	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/24 04:48	2
1,1-Dichloroethane	**8.5**		2.0	0.76	ug/L			10/27/24 04:48	2
cis-1,2-Dichloroethene	**21**		2.0	1.6	ug/L			10/27/24 04:48	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/24 04:48	2
Chloroform	ND		2.0	0.68	ug/L			10/27/24 04:48	2
1,1,1-Trichloroethane	**6.3**		2.0	1.6	ug/L			10/27/24 04:48	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/24 04:48	2
Benzene	ND		2.0	0.82	ug/L			10/27/24 04:48	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/24 04:48	2
Trichloroethene	**5.7**		2.0	0.92	ug/L			10/27/24 04:48	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/24 04:48	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/24 04:48	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/24 04:48	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/27/24 04:48	2
Toluene	ND		2.0	1.0	ug/L			10/27/24 04:48	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/24 04:48	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/24 04:48	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/24 04:48	2
2-Hexanone	ND		10	2.5	ug/L			10/27/24 04:48	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/24 04:48	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/24 04:48	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/24 04:48	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/27/24 04:48	2
o-Xylene	ND		2.0	1.5	ug/L			10/27/24 04:48	2
Styrene	ND		2.0	1.5	ug/L			10/27/24 04:48	2
Bromoform	ND		2.0	0.52	ug/L			10/27/24 04:48	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/24 04:48	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*10/27/24 04:48*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/27/24 04:48*	*2*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*10/27/24 04:48*	*2*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/27/24 04:48*	*2*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-20(1)HS
Lab Sample ID: 480-224720-16

Date Collected: 10/23/24 09:10
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 15:37	1
Vinyl chloride	**3.4**		1.0	0.90	ug/L			10/27/24 15:37	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 15:37	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 15:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 15:37	1
Acetone	ND		10	3.0	ug/L			10/27/24 15:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 15:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 15:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 15:37	1
1,1-Dichloroethane	**5.4**		1.0	0.38	ug/L			10/27/24 15:37	1
cis-1,2-Dichloroethene	**17**		1.0	0.81	ug/L			10/27/24 15:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 15:37	1
Chloroform	**3.8**		1.0	0.34	ug/L			10/27/24 15:37	1
1,1,1-Trichloroethane	**6.0**		1.0	0.82	ug/L			10/27/24 15:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 15:37	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 15:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 15:37	1
Trichloroethene	**5.9**		1.0	0.46	ug/L			10/27/24 15:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 15:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 15:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 15:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 15:37	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 15:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 15:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 15:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 15:37	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 15:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 15:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 15:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 15:37	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 15:37	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 15:37	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 15:37	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 15:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/27/24 15:37*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/27/24 15:37*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*10/27/24 15:37*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/27/24 15:37*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-20(1)
Lab Sample ID: 480-224720-17
Date Collected: 10/23/24 10:00
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			10/27/24 05:10	2
Vinyl chloride	**4.0**		2.0	1.8	ug/L			10/27/24 05:10	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/24 05:10	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/24 05:10	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/24 05:10	2
Acetone	ND		20	6.0	ug/L			10/27/24 05:10	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/24 05:10	2
Methylene Chloride	**0.91**	**J**	2.0	0.88	ug/L			10/27/24 05:10	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/24 05:10	2
1,1-Dichloroethane	**5.4**		2.0	0.76	ug/L			10/27/24 05:10	2
cis-1,2-Dichloroethene	**14**		2.0	1.6	ug/L			10/27/24 05:10	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/24 05:10	2
Chloroform	**3.2**		2.0	0.68	ug/L			10/27/24 05:10	2
1,1,1-Trichloroethane	**5.0**		2.0	1.6	ug/L			10/27/24 05:10	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/24 05:10	2
Benzene	ND		2.0	0.82	ug/L			10/27/24 05:10	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/24 05:10	2
Trichloroethene	**4.9**		2.0	0.92	ug/L			10/27/24 05:10	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/24 05:10	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/24 05:10	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/24 05:10	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/27/24 05:10	2
Toluene	ND		2.0	1.0	ug/L			10/27/24 05:10	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/24 05:10	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/24 05:10	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/24 05:10	2
2-Hexanone	ND		10	2.5	ug/L			10/27/24 05:10	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/24 05:10	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/24 05:10	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/24 05:10	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/27/24 05:10	2
o-Xylene	ND		2.0	1.5	ug/L			10/27/24 05:10	2
Styrene	ND		2.0	1.5	ug/L			10/27/24 05:10	2
Bromoform	ND		2.0	0.52	ug/L			10/27/24 05:10	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/24 05:10	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*10/27/24 05:10*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/27/24 05:10*	*2*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/27/24 05:10*	*2*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/27/24 05:10*	*2*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-20(0)
Lab Sample ID: 480-224720-18
Date Collected: 10/23/24 10:55
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 05:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 05:32	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 05:32	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 05:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 05:32	1
Acetone	ND		10	3.0	ug/L			10/27/24 05:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 05:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 05:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 05:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 05:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 05:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 05:32	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 05:32	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 05:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 05:32	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 05:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 05:32	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 05:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 05:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 05:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 05:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 05:32	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 05:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 05:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 05:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 05:32	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 05:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 05:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 05:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 05:32	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 05:32	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 05:32	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 05:32	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 05:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/27/24 05:32*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/27/24 05:32*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/27/24 05:32*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/27/24 05:32*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-04(1)
Lab Sample ID: 480-224720-19
Date Collected: 10/23/24 11:15
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 05:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 05:54	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 05:54	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 05:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 05:54	1
Acetone	ND		10	3.0	ug/L			10/27/24 05:54	1
Carbon disulfide	**4.3**		1.0	0.19	ug/L			10/27/24 05:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 05:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 05:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 05:54	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			10/27/24 05:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 05:54	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 05:54	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 05:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 05:54	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 05:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 05:54	1
Trichloroethene	**0.98**	**J**	1.0	0.46	ug/L			10/27/24 05:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 05:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 05:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 05:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 05:54	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 05:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 05:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 05:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 05:54	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 05:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 05:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 05:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 05:54	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 05:54	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 05:54	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 05:54	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 05:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*10/27/24 05:54*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/27/24 05:54*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*10/27/24 05:54*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/27/24 05:54*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-21(1)
Date Collected: 10/23/24 12:40
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 06:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 06:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 06:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 06:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 06:16	1
Acetone	ND		10	3.0	ug/L			10/27/24 06:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 06:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 06:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 06:16	1
1,1-Dichloroethane	**2.9**		1.0	0.38	ug/L			10/27/24 06:16	1
cis-1,2-Dichloroethene	**8.9**		1.0	0.81	ug/L			10/27/24 06:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 06:16	1
Chloroform	**3.8**		1.0	0.34	ug/L			10/27/24 06:16	1
1,1,1-Trichloroethane	**4.4**		1.0	0.82	ug/L			10/27/24 06:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 06:16	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 06:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 06:16	1
Trichloroethene	**3.0**		1.0	0.46	ug/L			10/27/24 06:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 06:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 06:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 06:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 06:16	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 06:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 06:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 06:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 06:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 06:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 06:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 06:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 06:16	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 06:16	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 06:16	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 06:16	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 06:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*10/27/24 06:16*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/27/24 06:16*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/27/24 06:16*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/27/24 06:16*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-14(1)
Lab Sample ID: 480-224720-21
Date Collected: 10/23/24 12:30
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			10/27/24 06:39	2
Vinyl chloride	**75**		2.0	1.8	ug/L			10/27/24 06:39	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/24 06:39	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/24 06:39	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/24 06:39	2
Acetone	ND		20	6.0	ug/L			10/27/24 06:39	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/24 06:39	2
Methylene Chloride	**1.3**	**J**	2.0	0.88	ug/L			10/27/24 06:39	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/24 06:39	2
1,1-Dichloroethane	**8.4**		2.0	0.76	ug/L			10/27/24 06:39	2
cis-1,2-Dichloroethene	**16**		2.0	1.6	ug/L			10/27/24 06:39	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/24 06:39	2
Chloroform	ND		2.0	0.68	ug/L			10/27/24 06:39	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/27/24 06:39	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/24 06:39	2
Benzene	ND		2.0	0.82	ug/L			10/27/24 06:39	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/24 06:39	2
Trichloroethene	ND		2.0	0.92	ug/L			10/27/24 06:39	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/24 06:39	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/24 06:39	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/24 06:39	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/27/24 06:39	2
Toluene	ND		2.0	1.0	ug/L			10/27/24 06:39	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/24 06:39	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/24 06:39	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/24 06:39	2
2-Hexanone	ND		10	2.5	ug/L			10/27/24 06:39	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/24 06:39	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/24 06:39	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/24 06:39	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/27/24 06:39	2
o-Xylene	ND		2.0	1.5	ug/L			10/27/24 06:39	2
Styrene	ND		2.0	1.5	ug/L			10/27/24 06:39	2
Bromoform	ND		2.0	0.52	ug/L			10/27/24 06:39	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/24 06:39	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*10/27/24 06:39*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/27/24 06:39*	*2*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/27/24 06:39*	*2*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/27/24 06:39*	*2*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-14(0)
Lab Sample ID: 480-224720-22
Date Collected: 10/23/24 12:35
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			10/27/24 07:01	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/27/24 07:01	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/24 07:01	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/24 07:01	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/24 07:01	2
Acetone	ND		20	6.0	ug/L			10/27/24 07:01	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/24 07:01	2
Methylene Chloride	**1.4**	**J**	2.0	0.88	ug/L			10/27/24 07:01	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/24 07:01	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/27/24 07:01	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/27/24 07:01	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/24 07:01	2
Chloroform	ND		2.0	0.68	ug/L			10/27/24 07:01	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/27/24 07:01	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/24 07:01	2
Benzene	ND		2.0	0.82	ug/L			10/27/24 07:01	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/24 07:01	2
Trichloroethene	ND		2.0	0.92	ug/L			10/27/24 07:01	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/24 07:01	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/24 07:01	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/24 07:01	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/27/24 07:01	2
Toluene	ND		2.0	1.0	ug/L			10/27/24 07:01	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/24 07:01	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/24 07:01	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/24 07:01	2
2-Hexanone	ND		10	2.5	ug/L			10/27/24 07:01	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/24 07:01	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/24 07:01	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/24 07:01	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/27/24 07:01	2
o-Xylene	ND		2.0	1.5	ug/L			10/27/24 07:01	2
Styrene	ND		2.0	1.5	ug/L			10/27/24 07:01	2
Bromoform	ND		2.0	0.52	ug/L			10/27/24 07:01	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/24 07:01	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/27/24 07:01*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/27/24 07:01*	*2*
Dibromofluoromethane (Surr)	*87*		*75 - 123*		*10/27/24 07:01*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/27/24 07:01*	*2*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: B-14(1)
Lab Sample ID: 480-224720-23
Date Collected: 10/23/24 14:40
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.0	1.4	ug/L			10/27/24 07:24	4
Vinyl chloride	**94**		4.0	3.6	ug/L			10/27/24 07:24	4
Chloroethane	ND		4.0	1.3	ug/L			10/27/24 07:24	4
Bromomethane	ND		4.0	2.8	ug/L			10/27/24 07:24	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/27/24 07:24	4
Acetone	ND		40	12	ug/L			10/27/24 07:24	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/27/24 07:24	4
Methylene Chloride	**3.2**	**J**	4.0	1.8	ug/L			10/27/24 07:24	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/27/24 07:24	4
1,1-Dichloroethane	**9.6**		4.0	1.5	ug/L			10/27/24 07:24	4
cis-1,2-Dichloroethene	**62**		4.0	3.2	ug/L			10/27/24 07:24	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/27/24 07:24	4
Chloroform	ND		4.0	1.4	ug/L			10/27/24 07:24	4
1,1,1-Trichloroethane	**24**		4.0	3.3	ug/L			10/27/24 07:24	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/27/24 07:24	4
Benzene	ND		4.0	1.6	ug/L			10/27/24 07:24	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/27/24 07:24	4
Trichloroethene	ND		4.0	1.8	ug/L			10/27/24 07:24	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/27/24 07:24	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/27/24 07:24	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/27/24 07:24	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/27/24 07:24	4
Toluene	ND		4.0	2.0	ug/L			10/27/24 07:24	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/27/24 07:24	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/27/24 07:24	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/27/24 07:24	4
2-Hexanone	ND		20	5.0	ug/L			10/27/24 07:24	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/27/24 07:24	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/27/24 07:24	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/27/24 07:24	4
m,p-Xylene	ND		8.0	2.6	ug/L			10/27/24 07:24	4
o-Xylene	ND		4.0	3.0	ug/L			10/27/24 07:24	4
Styrene	ND		4.0	2.9	ug/L			10/27/24 07:24	4
Bromoform	ND		4.0	1.0	ug/L			10/27/24 07:24	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/27/24 07:24	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*10/27/24 07:24*	*4*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/27/24 07:24*	*4*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*10/27/24 07:24*	*4*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/27/24 07:24*	*4*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: FB-1
Lab Sample ID: 480-224720-24

Date Collected: 10/23/24 15:05
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 07:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 07:47	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 07:47	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 07:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 07:47	1
Acetone	ND		10	3.0	ug/L			10/27/24 07:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 07:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 07:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 07:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 07:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 07:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 07:47	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 07:47	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 07:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 07:47	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 07:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 07:47	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 07:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 07:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 07:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 07:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 07:47	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 07:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 07:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 07:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 07:47	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 07:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 07:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 07:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 07:47	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 07:47	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 07:47	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 07:47	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 07:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/27/24 07:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/27/24 07:47*	*1*
Dibromofluoromethane (Surr)	*87*		*75 - 123*		*10/27/24 07:47*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/27/24 07:47*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-02(1)
Lab Sample ID: 480-224720-25
Date Collected: 10/23/24 14:40
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	3.5	ug/L			10/27/24 08:09	10
Vinyl chloride	**970**		10	9.0	ug/L			10/27/24 08:09	10
Chloroethane	ND		10	3.2	ug/L			10/27/24 08:09	10
Bromomethane	ND		10	6.9	ug/L			10/27/24 08:09	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/27/24 08:09	10
Acetone	ND		100	30	ug/L			10/27/24 08:09	10
Carbon disulfide	ND		10	1.9	ug/L			10/27/24 08:09	10
Methylene Chloride	**8.2**	**J**	10	4.4	ug/L			10/27/24 08:09	10
trans-1,2-Dichloroethene	**9.0**	**J**	10	9.0	ug/L			10/27/24 08:09	10
1,1-Dichloroethane	**20**		10	3.8	ug/L			10/27/24 08:09	10
cis-1,2-Dichloroethene	**330**		10	8.1	ug/L			10/27/24 08:09	10
2-Butanone (MEK)	ND		100	13	ug/L			10/27/24 08:09	10
Chloroform	ND		10	3.4	ug/L			10/27/24 08:09	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			10/27/24 08:09	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/27/24 08:09	10
Benzene	ND		10	4.1	ug/L			10/27/24 08:09	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/27/24 08:09	10
Trichloroethene	**13**		10	4.6	ug/L			10/27/24 08:09	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/27/24 08:09	10
Bromodichloromethane	ND		10	3.9	ug/L			10/27/24 08:09	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/27/24 08:09	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/27/24 08:09	10
Toluene	ND		10	5.1	ug/L			10/27/24 08:09	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/27/24 08:09	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/27/24 08:09	10
Tetrachloroethene	ND		10	3.6	ug/L			10/27/24 08:09	10
2-Hexanone	ND		50	12	ug/L			10/27/24 08:09	10
Dibromochloromethane	ND		10	3.2	ug/L			10/27/24 08:09	10
Chlorobenzene	ND		10	7.5	ug/L			10/27/24 08:09	10
Ethylbenzene	ND		10	7.4	ug/L			10/27/24 08:09	10
m,p-Xylene	ND		20	6.6	ug/L			10/27/24 08:09	10
o-Xylene	ND		10	7.6	ug/L			10/27/24 08:09	10
Styrene	ND		10	7.3	ug/L			10/27/24 08:09	10
Bromoform	ND		10	2.6	ug/L			10/27/24 08:09	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/27/24 08:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/27/24 08:09*	*10*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/27/24 08:09*	*10*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/27/24 08:09*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/27/24 08:09*	*10*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-02(3)
Lab Sample ID: 480-224720-26
Date Collected: 10/23/24 15:15
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 08:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 08:31	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 08:31	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 08:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 08:31	1
Acetone	ND		10	3.0	ug/L			10/27/24 08:31	1
Carbon disulfide	**0.22**	**J**	1.0	0.19	ug/L			10/27/24 08:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 08:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 08:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 08:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 08:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 08:31	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 08:31	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 08:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 08:31	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 08:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 08:31	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 08:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 08:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 08:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 08:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 08:31	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 08:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 08:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 08:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 08:31	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 08:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 08:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 08:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 08:31	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 08:31	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 08:31	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 08:31	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 08:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*10/27/24 08:31*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/27/24 08:31*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*10/27/24 08:31*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/27/24 08:31*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-7
Lab Sample ID: 480-224720-27

Date Collected: 10/23/24 16:05
Matrix: Water

Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 16:01	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 16:01	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 16:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 16:01	1
Acetone	ND		10	3.0	ug/L			10/27/24 16:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 16:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 16:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 16:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 16:01	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 16:01	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 16:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 16:01	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 16:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 16:01	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 16:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 16:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 16:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 16:01	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 16:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 16:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 16:01	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 16:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 16:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 16:01	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 16:01	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 16:01	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 16:01	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/27/24 16:01*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/27/24 16:01*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/27/24 16:01*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/27/24 16:01*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-13
Lab Sample ID: 480-224720-28

Date Collected: 10/23/24 16:05
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		8.0	2.8	ug/L			10/27/24 16:23	8
Vinyl chloride	**420**		8.0	7.2	ug/L			10/27/24 16:23	8
Chloroethane	ND		8.0	2.6	ug/L			10/27/24 16:23	8
Bromomethane	ND		8.0	5.5	ug/L			10/27/24 16:23	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			10/27/24 16:23	8
Acetone	ND		80	24	ug/L			10/27/24 16:23	8
Carbon disulfide	ND		8.0	1.5	ug/L			10/27/24 16:23	8
Methylene Chloride	**11**		8.0	3.5	ug/L			10/27/24 16:23	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			10/27/24 16:23	8
1,1-Dichloroethane	**17**		8.0	3.0	ug/L			10/27/24 16:23	8
cis-1,2-Dichloroethene	**110**		8.0	6.5	ug/L			10/27/24 16:23	8
2-Butanone (MEK)	ND		80	11	ug/L			10/27/24 16:23	8
Chloroform	ND		8.0	2.7	ug/L			10/27/24 16:23	8
1,1,1-Trichloroethane	**27**		8.0	6.6	ug/L			10/27/24 16:23	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			10/27/24 16:23	8
Benzene	ND		8.0	3.3	ug/L			10/27/24 16:23	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			10/27/24 16:23	8
Trichloroethene	ND		8.0	3.7	ug/L			10/27/24 16:23	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			10/27/24 16:23	8
Bromodichloromethane	ND		8.0	3.1	ug/L			10/27/24 16:23	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			10/27/24 16:23	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			10/27/24 16:23	8
Toluene	ND		8.0	4.1	ug/L			10/27/24 16:23	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			10/27/24 16:23	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			10/27/24 16:23	8
Tetrachloroethene	ND		8.0	2.9	ug/L			10/27/24 16:23	8
2-Hexanone	ND		40	9.9	ug/L			10/27/24 16:23	8
Dibromochloromethane	ND		8.0	2.6	ug/L			10/27/24 16:23	8
Chlorobenzene	ND		8.0	6.0	ug/L			10/27/24 16:23	8
Ethylbenzene	ND		8.0	5.9	ug/L			10/27/24 16:23	8
m,p-Xylene	ND		16	5.3	ug/L			10/27/24 16:23	8
o-Xylene	ND		8.0	6.1	ug/L			10/27/24 16:23	8
Styrene	ND		8.0	5.8	ug/L			10/27/24 16:23	8
Bromoform	ND		8.0	2.1	ug/L			10/27/24 16:23	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			10/27/24 16:23	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/27/24 16:23*	*8*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/27/24 16:23*	*8*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*10/27/24 16:23*	*8*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/27/24 16:23*	*8*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK-01
Lab Sample ID: 480-224720-29

Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 16:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 16:45	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 16:45	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 16:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 16:45	1
Acetone	ND		10	3.0	ug/L			10/27/24 16:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 16:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 16:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 16:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 16:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 16:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 16:45	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 16:45	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 16:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 16:45	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 16:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 16:45	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 16:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 16:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 16:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 16:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 16:45	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 16:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 16:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 16:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 16:45	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 16:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 16:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 16:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 16:45	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 16:45	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 16:45	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 16:45	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 16:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/27/24 16:45*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/27/24 16:45*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/27/24 16:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/27/24 16:45*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-224720-1	86-23(B)	91	103	100	102
480-224720-2	EW-2	102	113	102	116
480-224720-3	EW-3	101	101	100	109
480-224720-4	EW-4	102	100	104	93
480-224720-4 MS	EW-4	107	109	104	124 S1+
480-224720-4 MSD	EW-4	93	104	92	100
480-224720-5	EW-5	105	91	102	105
480-224720-6	EW-6	104	105	92	103
480-224720-7	89-12(1)	100	104	96	107
480-224720-8	93-03(1)	97	102	101	103
480-224720-9	DW-12	98	102	97	105
480-224720-10	DUP-01	94	104	91	109
480-224720-10 MS	DUP-01	94	102	89	104
480-224720-10 MSD	DUP-01	96	103	92	104
480-224720-11	87-10(1)	99	104	101	109
480-224720-12	87-10(0)	92	107	92	108
480-224720-13	89-10(1)	97	103	95	104
480-224720-13 - DL	89-10(1)	90	103	90	104
480-224720-14	87-01(1)	94	104	93	103
480-224720-15	DW-11	93	103	92	103
480-224720-16	87-20(1)HS	109	107	115	105
480-224720-17	87-20(1)	93	100	93	103
480-224720-18	87-20(0)	97	99	95	103
480-224720-19	89-04(1)	95	102	91	104
480-224720-20	87-21(1)	93	100	98	103
480-224720-21	89-14(1)	93	103	93	106
480-224720-22	89-14(0)	89	102	87	99
480-224720-23	B-14(1)	90	102	91	105
480-224720-24	FB-1	89	99	87	103
480-224720-25	87-02(1)	96	104	95	103
480-224720-26	87-02(3)	93	106	91	106
480-224720-27	EW-7	109	111	112	102
480-224720-28	EW-13	110	106	115	99
480-224720-29	TRIP BLANK-01	110	107	112	99
LCS 480-729823/6	Lab Control Sample	111	108	105	118
LCS 480-729904/6	Lab Control Sample	87	102	101	104
LCS 480-729961/6	Lab Control Sample	99	103	101	105
LCS 480-730008/6	Lab Control Sample	102	106	107	102
LCS 480-730011/6	Lab Control Sample	99	105	99	103
LCS 480-730065/11	Lab Control Sample	84	112	96	92
MB 480-729823/8	Method Blank	103	92	103	102
MB 480-729904/8	Method Blank	85	102	99	104
MB 480-729961/8	Method Blank	99	102	93	104
MB 480-730008/8	Method Blank	107	108	109	101
MB 480-730011/8	Method Blank	96	102	92	104
MB 480-730065/12	Method Blank	106	122 S1+	104	118

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-729823/8
Matrix: Water
Analysis Batch: 729823

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/26/24 01:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/24 01:27	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/24 01:27	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/24 01:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/24 01:27	1
Acetone	ND		10	3.0	ug/L			10/26/24 01:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/24 01:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/24 01:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/24 01:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/24 01:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/24 01:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/24 01:27	1
Chloroform	ND		1.0	0.34	ug/L			10/26/24 01:27	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/24 01:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/24 01:27	1
Benzene	ND		1.0	0.41	ug/L			10/26/24 01:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/24 01:27	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/24 01:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/24 01:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/24 01:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/24 01:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/24 01:27	1
Toluene	ND		1.0	0.51	ug/L			10/26/24 01:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/24 01:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/24 01:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/24 01:27	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/24 01:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/24 01:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/24 01:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/24 01:27	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/26/24 01:27	1
o-Xylene	ND		1.0	0.76	ug/L			10/26/24 01:27	1
Styrene	ND		1.0	0.73	ug/L			10/26/24 01:27	1
Bromoform	ND		1.0	0.26	ug/L			10/26/24 01:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/24 01:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/26/24 01:27*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*10/26/24 01:27*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/26/24 01:27*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/26/24 01:27*	*1*

Lab Sample ID: LCS 480-729823/6
Matrix: Water
Analysis Batch: 729823

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			25.0	23.2		ug/L		93	68 - 124		

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

Lab Sample ID: LCS 480-729823/6
Matrix: Water
Analysis Batch: 729823

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133
Chloroethane	25.0	26.1		ug/L		104	69 - 136
Bromomethane	25.0	25.3		ug/L		101	55 - 144
1,1-Dichloroethene	25.0	28.1		ug/L		112	66 - 127
Acetone	125	129		ug/L		103	56 - 142
Carbon disulfide	25.0	26.5		ug/L		106	59 - 134
Methylene Chloride	25.0	25.0		ug/L		100	75 - 124
trans-1,2-Dichloroethene	25.0	27.1		ug/L		109	73 - 127
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
Chloroform	25.0	24.8		ug/L		99	73 - 127
1,1,1-Trichloroethane	25.0	28.8		ug/L		115	73 - 126
Carbon tetrachloride	25.0	29.4		ug/L		118	72 - 134
Benzene	25.0	25.5		ug/L		102	71 - 124
1,2-Dichloroethane	25.0	25.4		ug/L		101	75 - 120
Trichloroethene	25.0	30.3		ug/L		121	74 - 123
1,2-Dichloropropane	25.0	29.9		ug/L		120	76 - 120
Bromodichloromethane	25.0	28.5		ug/L		114	80 - 122
cis-1,3-Dichloropropene	25.0	29.4		ug/L		117	74 - 124
4-Methyl-2-pentanone (MIBK)	125	135		ug/L		108	71 - 125
Toluene	25.0	29.3		ug/L		117	80 - 122
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	80 - 120
1,1,2-Trichloroethane	25.0	27.0		ug/L		108	76 - 122
Tetrachloroethene	25.0	33.4	*+	ug/L		134	74 - 122
2-Hexanone	125	138		ug/L		111	65 - 127
Dibromochloromethane	25.0	29.4		ug/L		118	75 - 125
Chlorobenzene	25.0	25.6		ug/L		102	80 - 120
Ethylbenzene	25.0	26.6		ug/L		106	77 - 123
m,p-Xylene	25.0	26.5		ug/L		106	76 - 122
o-Xylene	25.0	26.9		ug/L		107	76 - 122
Styrene	25.0	26.5		ug/L		106	80 - 120
Bromoform	25.0	27.2		ug/L		109	61 - 132
1,1,2,2-Tetrachloroethane	25.0	23.4		ug/L		94	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*118*		*80 - 120*

Lab Sample ID: 480-224720-4 MS
Matrix: Water
Analysis Batch: 729823

Client Sample ID: EW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND	F2	25.0	27.0		ug/L		108	68 - 124
Vinyl chloride	17	F2	25.0	47.8		ug/L		122	65 - 133

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

Lab Sample ID: 480-224720-4 MS
Matrix: Water
Analysis Batch: 729823

Client Sample ID: EW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	ND	F2 F1	25.0	37.4	F1	ug/L		150	69 - 136
Bromomethane	ND	F2	25.0	32.1		ug/L		128	55 - 144
1,1-Dichloroethene	ND	F2 F1	25.0	33.5	F1	ug/L		134	66 - 127
Acetone	ND	F2	125	152		ug/L		122	56 - 142
Carbon disulfide	0.32	J	25.0	30.7		ug/L		122	59 - 134
Methylene Chloride	ND	F2	25.0	27.6		ug/L		111	75 - 124
trans-1,2-Dichloroethene	ND		25.0	31.7		ug/L		127	73 - 127
1,1-Dichloroethane	1.0		25.0	30.3		ug/L		117	77 - 120
cis-1,2-Dichloroethene	4.9	F2	25.0	34.4		ug/L		118	74 - 124
2-Butanone (MEK)	ND		125	136		ug/L		109	57 - 140
Chloroform	ND		25.0	27.7		ug/L		111	73 - 127
1,1,1-Trichloroethane	ND	F2 F1	25.0	33.9	F1	ug/L		136	73 - 126
Carbon tetrachloride	ND	F2 F1	25.0	33.8	F1	ug/L		135	72 - 134
Benzene	ND		25.0	28.6		ug/L		115	71 - 124
1,2-Dichloroethane	ND		25.0	27.4		ug/L		110	75 - 120
Trichloroethene	ND		25.0	30.5		ug/L		122	74 - 123
1,2-Dichloropropane	ND	F2 F1	25.0	33.6	F1	ug/L		134	76 - 120
Bromodichloromethane	ND	F2 F1	25.0	31.6	F1	ug/L		127	80 - 122
cis-1,3-Dichloropropene	ND	F2 F1	25.0	31.5	F1	ug/L		126	74 - 124
4-Methyl-2-pentanone (MIBK)	ND		125	154		ug/L		123	71 - 125
Toluene	ND	F2 F1	25.0	35.1	F1	ug/L		141	80 - 122
trans-1,3-Dichloropropene	ND	F2 F1	25.0	31.8	F1	ug/L		127	80 - 120
1,1,2-Trichloroethane	ND	F2	25.0	30.2		ug/L		121	76 - 122
Tetrachloroethene	ND	F1 *+	25.0	34.6	F1	ug/L		139	74 - 122
2-Hexanone	ND	F2	125	141		ug/L		113	65 - 127
Dibromochloromethane	ND		25.0	29.9		ug/L		119	75 - 125
Chlorobenzene	ND		25.0	29.2		ug/L		117	80 - 120
Ethylbenzene	ND		25.0	30.3		ug/L		121	77 - 123
m,p-Xylene	ND		25.0	30.1		ug/L		121	76 - 122
o-Xylene	ND		25.0	30.0		ug/L		120	76 - 122
Styrene	ND		25.0	26.7		ug/L		107	80 - 120
Bromoform	ND		25.0	31.0		ug/L		124	61 - 132
1,1,2,2-Tetrachloroethane	ND		25.0	25.5		ug/L		102	76 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*124*	*S1+*	*80 - 120*

Lab Sample ID: 480-224720-4 MSD
Matrix: Water
Analysis Batch: 729823

Client Sample ID: EW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	ND	F2	25.0	22.3	F2	ug/L		89	68 - 124	19	15
Vinyl chloride	17	F2	25.0	40.0	F2	ug/L		91	65 - 133	18	15
Chloroethane	ND	F2 F1	25.0	28.0	F2	ug/L		112	69 - 136	29	15

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

Lab Sample ID: 480-224720-4 MSD
Matrix: Water
Analysis Batch: 729823

Client Sample ID: EW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	ND	F2	25.0	23.2	F2	ug/L		93	55 - 144	32	15
1,1-Dichloroethene	ND	F2 F1	25.0	27.1	F2	ug/L		108	66 - 127	21	16
Acetone	ND	F2	125	123	F2	ug/L		98	56 - 142	21	15
Carbon disulfide	0.32	J	25.0	26.6		ug/L		105	59 - 134	14	15
Methylene Chloride	ND	F2	25.0	23.2	F2	ug/L		93	75 - 124	18	15
trans-1,2-Dichloroethene	ND		25.0	26.2		ug/L		105	73 - 127	19	20
1,1-Dichloroethane	1.0		25.0	25.2		ug/L		97	77 - 120	18	20
cis-1,2-Dichloroethene	4.9	F2	25.0	29.1	F2	ug/L		97	74 - 124	17	15
2-Butanone (MEK)	ND		125	114		ug/L		91	57 - 140	17	20
Chloroform	ND		25.0	23.1		ug/L		92	73 - 127	18	20
1,1,1-Trichloroethane	ND	F2 F1	25.0	28.7	F2	ug/L		115	73 - 126	17	15
Carbon tetrachloride	ND	F2 F1	25.0	28.1	F2	ug/L		112	72 - 134	18	15
Benzene	ND		25.0	27.6		ug/L		110	71 - 124	4	13
1,2-Dichloroethane	ND		25.0	25.9		ug/L		104	75 - 120	6	20
Trichloroethene	ND		25.0	29.3		ug/L		117	74 - 123	4	16
1,2-Dichloropropane	ND	F2 F1	25.0	25.4	F2	ug/L		102	76 - 120	28	20
Bromodichloromethane	ND	F2 F1	25.0	21.7	F2	ug/L		87	80 - 122	37	15
cis-1,3-Dichloropropene	ND	F2 F1	25.0	22.0	F2	ug/L		88	74 - 124	36	15
4-Methyl-2-pentanone (MIBK)	ND		125	117		ug/L		94	71 - 125	27	35
Toluene	ND	F2 F1	25.0	27.3	F2	ug/L		109	80 - 122	25	15
trans-1,3-Dichloropropene	ND	F2 F1	25.0	23.0	F2	ug/L		92	80 - 120	32	15
1,1,2-Trichloroethane	ND	F2	25.0	24.9	F2	ug/L		99	76 - 122	19	15
Tetrachloroethene	ND	F1 *+	25.0	31.2	F1	ug/L		125	74 - 122	10	20
2-Hexanone	ND	F2	125	119	F2	ug/L		95	65 - 127	17	15
Dibromochloromethane	ND		25.0	25.8		ug/L		103	75 - 125	15	15
Chlorobenzene	ND		25.0	27.8		ug/L		111	80 - 120	5	25
Ethylbenzene	ND		25.0	28.0		ug/L		112	77 - 123	8	15
m,p-Xylene	ND		25.0	28.0		ug/L		112	76 - 122	7	16
o-Xylene	ND		25.0	28.3		ug/L		113	76 - 122	6	16
Styrene	ND		25.0	24.8		ug/L		99	80 - 120	7	20
Bromoform	ND		25.0	27.9		ug/L		112	61 - 132	10	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.4		ug/L		106	76 - 120	4	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 480-729904/8
Matrix: Water
Analysis Batch: 729904

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/26/24 13:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/24 13:13	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/24 13:13	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/24 13:13	1

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

Lab Sample ID: MB 480-729904/8
Matrix: Water
Analysis Batch: 729904

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/24 13:13	1
Acetone	ND		10	3.0	ug/L			10/26/24 13:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/24 13:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/24 13:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/24 13:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/24 13:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/24 13:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/24 13:13	1
Chloroform	ND		1.0	0.34	ug/L			10/26/24 13:13	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/24 13:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/24 13:13	1
Benzene	ND		1.0	0.41	ug/L			10/26/24 13:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/24 13:13	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/24 13:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/24 13:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/24 13:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/24 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/24 13:13	1
Toluene	ND		1.0	0.51	ug/L			10/26/24 13:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/24 13:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/24 13:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/24 13:13	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/24 13:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/24 13:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/24 13:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/24 13:13	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/26/24 13:13	1
o-Xylene	ND		1.0	0.76	ug/L			10/26/24 13:13	1
Styrene	ND		1.0	0.73	ug/L			10/26/24 13:13	1
Bromoform	ND		1.0	0.26	ug/L			10/26/24 13:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/24 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*10/26/24 13:13*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/26/24 13:13*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/26/24 13:13*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/26/24 13:13*	*1*

Lab Sample ID: LCS 480-729904/6
Matrix: Water
Analysis Batch: 729904

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	27.1		ug/L		108	68 - 124
Vinyl chloride	25.0	28.7		ug/L		115	65 - 133
Chloroethane	25.0	26.7		ug/L		107	69 - 136
Bromomethane	25.0	24.1		ug/L		96	55 - 144
1,1-Dichloroethene	25.0	30.7		ug/L		123	66 - 127

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

Lab Sample ID: LCS 480-729904/6
Matrix: Water
Analysis Batch: 729904

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	125	112		ug/L		89	56 - 142
Carbon disulfide	25.0	30.1		ug/L		121	59 - 134
Methylene Chloride	25.0	27.5		ug/L		110	75 - 124
trans-1,2-Dichloroethene	25.0	28.4		ug/L		113	73 - 127
1,1-Dichloroethane	25.0	26.3		ug/L		105	77 - 120
cis-1,2-Dichloroethene	25.0	27.4		ug/L		110	74 - 124
2-Butanone (MEK)	125	108		ug/L		86	57 - 140
Chloroform	25.0	23.4		ug/L		94	73 - 127
1,1,1-Trichloroethane	25.0	25.7		ug/L		103	73 - 126
Carbon tetrachloride	25.0	25.7		ug/L		103	72 - 134
Benzene	25.0	26.5		ug/L		106	71 - 124
1,2-Dichloroethane	25.0	19.9		ug/L		80	75 - 120
Trichloroethene	25.0	27.3		ug/L		109	74 - 123
1,2-Dichloropropane	25.0	27.4		ug/L		109	76 - 120
Bromodichloromethane	25.0	23.8		ug/L		95	80 - 122
cis-1,3-Dichloropropene	25.0	26.6		ug/L		107	74 - 124
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		88	71 - 125
Toluene	25.0	26.7		ug/L		107	80 - 122
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
Tetrachloroethene	25.0	29.5		ug/L		118	74 - 122
2-Hexanone	125	107		ug/L		85	65 - 127
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Chlorobenzene	25.0	26.3		ug/L		105	80 - 120
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
m,p-Xylene	25.0	27.1		ug/L		109	76 - 122
o-Xylene	25.0	27.6		ug/L		110	76 - 122
Styrene	25.0	27.2		ug/L		109	80 - 120
Bromoform	25.0	26.2		ug/L		105	61 - 132
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 480-729961/8
Matrix: Water
Analysis Batch: 729961

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 01:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 01:26	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 01:26	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 01:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 01:26	1
Acetone	ND		10	3.0	ug/L			10/27/24 01:26	1

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

Lab Sample ID: MB 480-729961/8
Matrix: Water
Analysis Batch: 729961

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 01:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 01:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 01:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 01:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 01:26	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 01:26	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 01:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 01:26	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 01:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 01:26	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 01:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 01:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 01:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 01:26	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 01:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 01:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 01:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 01:26	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 01:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 01:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 01:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 01:26	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 01:26	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 01:26	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 01:26	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 01:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/27/24 01:26*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/27/24 01:26*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/27/24 01:26*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/27/24 01:26*	*1*

Lab Sample ID: LCS 480-729961/6
Matrix: Water
Analysis Batch: 729961

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	24.6		ug/L		98	68 - 124
Vinyl chloride	25.0	26.2		ug/L		105	65 - 133
Chloroethane	25.0	24.4		ug/L		98	69 - 136
Bromomethane	25.0	24.9		ug/L		100	55 - 144
1,1-Dichloroethene	25.0	28.6		ug/L		115	66 - 127
Acetone	125	120		ug/L		96	56 - 142
Carbon disulfide	25.0	28.4		ug/L		114	59 - 134

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

Lab Sample ID: LCS 480-729961/6
Matrix: Water
Analysis Batch: 729961

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	28.5		ug/L		114	75 - 124
trans-1,2-Dichloroethene	25.0	27.4		ug/L		110	73 - 127
1,1-Dichloroethane	25.0	27.7		ug/L		111	77 - 120
cis-1,2-Dichloroethene	25.0	26.4		ug/L		105	74 - 124
2-Butanone (MEK)	125	111		ug/L		89	57 - 140
Chloroform	25.0	25.8		ug/L		103	73 - 127
1,1,1-Trichloroethane	25.0	28.1		ug/L		112	73 - 126
Carbon tetrachloride	25.0	27.2		ug/L		109	72 - 134
Benzene	25.0	25.7		ug/L		103	71 - 124
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 120
Trichloroethene	25.0	26.5		ug/L		106	74 - 123
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
Bromodichloromethane	25.0	26.5		ug/L		106	80 - 122
cis-1,3-Dichloropropene	25.0	23.2		ug/L		93	74 - 124
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Toluene	25.0	27.9		ug/L		112	80 - 122
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	76 - 122
Tetrachloroethene	25.0	26.6		ug/L		106	74 - 122
2-Hexanone	125	120		ug/L		96	65 - 127
Dibromochloromethane	25.0	24.9		ug/L		100	75 - 125
Chlorobenzene	25.0	27.2		ug/L		109	80 - 120
Ethylbenzene	25.0	27.6		ug/L		111	77 - 123
m,p-Xylene	25.0	25.7		ug/L		103	76 - 122
o-Xylene	25.0	26.7		ug/L		107	76 - 122
Styrene	25.0	24.9		ug/L		99	80 - 120
Bromoform	25.0	24.7		ug/L		99	61 - 132
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 480-224720-10 MS
Matrix: Water
Analysis Batch: 729961

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		5000	4460		ug/L		89	68 - 124
Vinyl chloride	840		5000	5410		ug/L		92	65 - 133
Chloroethane	ND		5000	4260		ug/L		85	69 - 136
Bromomethane	ND		5000	4080		ug/L		82	55 - 144
1,1-Dichloroethene	ND		5000	4720		ug/L		94	66 - 127
Acetone	ND		25000	22400		ug/L		90	56 - 142
Carbon disulfide	ND		5000	4810		ug/L		96	59 - 134
Methylene Chloride	ND		5000	4900		ug/L		98	75 - 124

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

Lab Sample ID: 480-224720-10 MS
Matrix: Water
Analysis Batch: 729961

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	ND		5000	4920		ug/L		98	73 - 127
1,1-Dichloroethane	ND		5000	5120		ug/L		102	77 - 120
cis-1,2-Dichloroethene	350		5000	5080		ug/L		95	74 - 124
2-Butanone (MEK)	ND		25000	24300		ug/L		97	57 - 140
Chloroform	ND		5000	4690		ug/L		94	73 - 127
1,1,1-Trichloroethane	ND		5000	5010		ug/L		100	73 - 126
Carbon tetrachloride	ND		5000	4440		ug/L		89	72 - 134
Benzene	ND		5000	5000		ug/L		100	71 - 124
1,2-Dichloroethane	ND		5000	4830		ug/L		97	75 - 120
Trichloroethene	ND		5000	4890		ug/L		98	74 - 123
1,2-Dichloropropane	ND		5000	4920		ug/L		98	76 - 120
Bromodichloromethane	ND		5000	5270		ug/L		105	80 - 122
cis-1,3-Dichloropropene	ND		5000	4890		ug/L		98	74 - 124
4-Methyl-2-pentanone (MIBK)	ND		25000	25100		ug/L		100	71 - 125
Toluene	ND		5000	5560		ug/L		111	80 - 122
trans-1,3-Dichloropropene	ND		5000	5070		ug/L		101	80 - 120
1,1,2-Trichloroethane	ND		5000	5240		ug/L		105	76 - 122
Tetrachloroethene	ND		5000	4910		ug/L		98	74 - 122
2-Hexanone	ND		25000	24900		ug/L		100	65 - 127
Dibromochloromethane	ND		5000	4990		ug/L		100	75 - 125
Chlorobenzene	ND		5000	5350		ug/L		107	80 - 120
Ethylbenzene	ND		5000	5340		ug/L		107	77 - 123
m,p-Xylene	ND		5000	4850		ug/L		97	76 - 122
o-Xylene	ND		5000	4970		ug/L		99	76 - 122
Styrene	ND		5000	4940		ug/L		99	80 - 120
Bromoform	ND		5000	4900		ug/L		98	61 - 132
1,1,2,2-Tetrachloroethane	ND		5000	4890		ug/L		98	76 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*89*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 480-224720-10 MSD
Matrix: Water
Analysis Batch: 729961

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	ND		5000	4270		ug/L		85	68 - 124	4	15
Vinyl chloride	840		5000	5170		ug/L		87	65 - 133	5	15
Chloroethane	ND		5000	3870		ug/L		77	69 - 136	10	15
Bromomethane	ND		5000	3970		ug/L		79	55 - 144	3	15
1,1-Dichloroethene	ND		5000	4700		ug/L		94	66 - 127	0	16
Acetone	ND		25000	24700		ug/L		99	56 - 142	10	15
Carbon disulfide	ND		5000	4480		ug/L		90	59 - 134	7	15
Methylene Chloride	ND		5000	5020		ug/L		100	75 - 124	2	15
trans-1,2-Dichloroethene	ND		5000	4770		ug/L		95	73 - 127	3	20

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

Lab Sample ID: 480-224720-10 MSD
Matrix: Water
Analysis Batch: 729961

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		5000	4720		ug/L		94	77 - 120	8	20
cis-1,2-Dichloroethene	350		5000	5140		ug/L		96	74 - 124	1	15
2-Butanone (MEK)	ND		25000	26200		ug/L		105	57 - 140	8	20
Chloroform	ND		5000	4530		ug/L		91	73 - 127	4	20
1,1,1-Trichloroethane	ND		5000	4800		ug/L		96	73 - 126	4	15
Carbon tetrachloride	ND		5000	4380		ug/L		88	72 - 134	1	15
Benzene	ND		5000	4790		ug/L		96	71 - 124	4	13
1,2-Dichloroethane	ND		5000	4780		ug/L		96	75 - 120	1	20
Trichloroethene	ND		5000	5030		ug/L		101	74 - 123	3	16
1,2-Dichloropropane	ND		5000	5000		ug/L		100	76 - 120	2	20
Bromodichloromethane	ND		5000	5120		ug/L		102	80 - 122	3	15
cis-1,3-Dichloropropene	ND		5000	4780		ug/L		96	74 - 124	2	15
4-Methyl-2-pentanone (MIBK)	ND		25000	26600		ug/L		106	71 - 125	6	35
Toluene	ND		5000	5350		ug/L		107	80 - 122	4	15
trans-1,3-Dichloropropene	ND		5000	5170		ug/L		103	80 - 120	2	15
1,1,2-Trichloroethane	ND		5000	5410		ug/L		108	76 - 122	3	15
Tetrachloroethene	ND		5000	4650		ug/L		93	74 - 122	5	20
2-Hexanone	ND		25000	26900		ug/L		108	65 - 127	8	15
Dibromochloromethane	ND		5000	4780		ug/L		96	75 - 125	4	15
Chlorobenzene	ND		5000	5290		ug/L		106	80 - 120	1	25
Ethylbenzene	ND		5000	5180		ug/L		104	77 - 123	3	15
m,p-Xylene	ND		5000	4930		ug/L		99	76 - 122	2	16
o-Xylene	ND		5000	4760		ug/L		95	76 - 122	4	16
Styrene	ND		5000	4880		ug/L		98	80 - 120	1	20
Bromoform	ND		5000	5120		ug/L		102	61 - 132	4	15
1,1,2,2-Tetrachloroethane	ND		5000	4770		ug/L		95	76 - 120	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 480-730008/8
Matrix: Water
Analysis Batch: 730008

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 14:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 14:37	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 14:37	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 14:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 14:37	1
Acetone	ND		10	3.0	ug/L			10/27/24 14:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 14:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 14:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 14:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 14:37	1

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

Lab Sample ID: MB 480-730008/8
Matrix: Water
Analysis Batch: 730008

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 14:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 14:37	1
Chloroform	ND		1.0	0.34	ug/L			10/27/24 14:37	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 14:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 14:37	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 14:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 14:37	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 14:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 14:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 14:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 14:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 14:37	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 14:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 14:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 14:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 14:37	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 14:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 14:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 14:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 14:37	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 14:37	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 14:37	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 14:37	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 14:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/27/24 14:37*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/24 14:37*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/27/24 14:37*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/24 14:37*	*1*

Lab Sample ID: LCS 480-730008/6
Matrix: Water
Analysis Batch: 730008

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	22.4		ug/L		90	68 - 124
Vinyl chloride	25.0	25.2		ug/L		101	65 - 133
Chloroethane	25.0	26.5		ug/L		106	69 - 136
Bromomethane	25.0	26.3		ug/L		105	55 - 144
1,1-Dichloroethene	25.0	26.8		ug/L		107	66 - 127
Acetone	125	126		ug/L		101	56 - 142
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Methylene Chloride	25.0	24.5		ug/L		98	75 - 124
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
cis-1,2-Dichloroethene	25.0	25.6		ug/L		102	74 - 124

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

Lab Sample ID: LCS 480-730008/6
Matrix: Water
Analysis Batch: 730008

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	125	120		ug/L		96	57 - 140
Chloroform	25.0	25.6		ug/L		102	73 - 127
1,1,1-Trichloroethane	25.0	29.0		ug/L		116	73 - 126
Carbon tetrachloride	25.0	30.0		ug/L		120	72 - 134
Benzene	25.0	24.7		ug/L		99	71 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
Bromodichloromethane	25.0	26.9		ug/L		108	80 - 122
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	74 - 124
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125
Toluene	25.0	24.4		ug/L		97	80 - 122
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	80 - 120
1,1,2-Trichloroethane	25.0	23.7		ug/L		95	76 - 122
Tetrachloroethene	25.0	27.7		ug/L		111	74 - 122
2-Hexanone	125	121		ug/L		97	65 - 127
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
m,p-Xylene	25.0	26.2		ug/L		105	76 - 122
o-Xylene	25.0	27.0		ug/L		108	76 - 122
Styrene	25.0	26.3		ug/L		105	80 - 120
Bromoform	25.0	26.0		ug/L		104	61 - 132
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 480-730011/8
Matrix: Water
Analysis Batch: 730011

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/24 14:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/24 14:38	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/24 14:38	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/24 14:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/24 14:38	1
Acetone	ND		10	3.0	ug/L			10/27/24 14:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/24 14:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/24 14:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/24 14:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/24 14:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/24 14:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/24 14:38	1

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

Lab Sample ID: MB 480-730011/8
Matrix: Water
Analysis Batch: 730011

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			10/27/24 14:38	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/24 14:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/24 14:38	1
Benzene	ND		1.0	0.41	ug/L			10/27/24 14:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/24 14:38	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/24 14:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/24 14:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/24 14:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/24 14:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/24 14:38	1
Toluene	ND		1.0	0.51	ug/L			10/27/24 14:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/24 14:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/24 14:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/24 14:38	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/24 14:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/24 14:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/24 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/24 14:38	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/24 14:38	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/24 14:38	1
Styrene	ND		1.0	0.73	ug/L			10/27/24 14:38	1
Bromoform	ND		1.0	0.26	ug/L			10/27/24 14:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/24 14:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/27/24 14:38*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/27/24 14:38*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*10/27/24 14:38*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/27/24 14:38*	*1*

Lab Sample ID: LCS 480-730011/6
Matrix: Water
Analysis Batch: 730011

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	25.2		ug/L		101	68 - 124
Vinyl chloride	25.0	27.1		ug/L		108	65 - 133
Chloroethane	25.0	23.9		ug/L		96	69 - 136
Bromomethane	25.0	25.3		ug/L		101	55 - 144
1,1-Dichloroethene	25.0	29.9		ug/L		119	66 - 127
Acetone	125	126		ug/L		101	56 - 142
Carbon disulfide	25.0	28.6		ug/L		114	59 - 134
Methylene Chloride	25.0	27.2		ug/L		109	75 - 124
trans-1,2-Dichloroethene	25.0	27.6		ug/L		110	73 - 127
1,1-Dichloroethane	25.0	28.5		ug/L		114	77 - 120
cis-1,2-Dichloroethene	25.0	27.4		ug/L		110	74 - 124
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
Chloroform	25.0	26.0		ug/L		104	73 - 127

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

Lab Sample ID: LCS 480-730011/6
Matrix: Water
Analysis Batch: 730011

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	29.8		ug/L		119	73 - 126
Carbon tetrachloride	25.0	27.5		ug/L		110	72 - 134
Benzene	25.0	26.7		ug/L		107	71 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		99	75 - 120
Trichloroethene	25.0	27.3		ug/L		109	74 - 123
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
Bromodichloromethane	25.0	27.6		ug/L		111	80 - 122
cis-1,3-Dichloropropene	25.0	26.6		ug/L		106	74 - 124
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		105	71 - 125
Toluene	25.0	30.2		ug/L		121	80 - 122
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
1,1,2-Trichloroethane	25.0	27.0		ug/L		108	76 - 122
Tetrachloroethene	25.0	27.6		ug/L		111	74 - 122
2-Hexanone	125	130		ug/L		104	65 - 127
Dibromochloromethane	25.0	27.1		ug/L		108	75 - 125
Chlorobenzene	25.0	28.6		ug/L		114	80 - 120
Ethylbenzene	25.0	29.6		ug/L		118	77 - 123
m,p-Xylene	25.0	27.5		ug/L		110	76 - 122
o-Xylene	25.0	27.1		ug/L		108	76 - 122
Styrene	25.0	26.9		ug/L		108	80 - 120
Bromoform	25.0	27.2		ug/L		109	61 - 132
1,1,2,2-Tetrachloroethane	25.0	25.8		ug/L		103	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 480-730065/12
Matrix: Water
Analysis Batch: 730065

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/28/24 14:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/24 14:35	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/24 14:35	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/24 14:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/24 14:35	1
Acetone	ND		10	3.0	ug/L			10/28/24 14:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/24 14:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/24 14:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/24 14:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/24 14:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/24 14:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/24 14:35	1
Chloroform	ND		1.0	0.34	ug/L			10/28/24 14:35	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/24 14:35	1

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

Lab Sample ID: MB 480-730065/12
Matrix: Water
Analysis Batch: 730065

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/24 14:35	1
Benzene	ND		1.0	0.41	ug/L			10/28/24 14:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/24 14:35	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/24 14:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/24 14:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/24 14:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/24 14:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/24 14:35	1
Toluene	ND		1.0	0.51	ug/L			10/28/24 14:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/24 14:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/24 14:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/24 14:35	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/24 14:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/24 14:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/24 14:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/24 14:35	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/28/24 14:35	1
o-Xylene	ND		1.0	0.76	ug/L			10/28/24 14:35	1
Styrene	ND		1.0	0.73	ug/L			10/28/24 14:35	1
Bromoform	ND		1.0	0.26	ug/L			10/28/24 14:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/24 14:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/28/24 14:35*	*1*
4-Bromofluorobenzene (Surr)	*122*	*S1+*	*73 - 120*		*10/28/24 14:35*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/28/24 14:35*	*1*
Toluene-d8 (Surr)	*118*		*80 - 120*		*10/28/24 14:35*	*1*

Lab Sample ID: LCS 480-730065/11
Matrix: Water
Analysis Batch: 730065

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	32.5	*+	ug/L		130	68 - 124
Vinyl chloride	25.0	32.6		ug/L		130	65 - 133
Chloroethane	25.0	30.9		ug/L		124	69 - 136
Bromomethane	25.0	29.0		ug/L		116	55 - 144
1,1-Dichloroethene	25.0	29.9		ug/L		120	66 - 127
Acetone	125	108		ug/L		86	56 - 142
Carbon disulfide	25.0	28.3		ug/L		113	59 - 134
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
trans-1,2-Dichloroethene	25.0	27.7		ug/L		111	73 - 127
1,1-Dichloroethane	25.0	26.2		ug/L		105	77 - 120
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	74 - 124
2-Butanone (MEK)	125	198	*+	ug/L		158	57 - 140
Chloroform	25.0	21.0		ug/L		84	73 - 127
1,1,1-Trichloroethane	25.0	23.7		ug/L		95	73 - 126
Carbon tetrachloride	25.0	25.0		ug/L		100	72 - 134

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

Lab Sample ID: LCS 480-730065/11
Matrix: Water
Analysis Batch: 730065

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.5		ug/L		102	71 - 124
1,2-Dichloroethane	25.0	18.9		ug/L		76	75 - 120
Trichloroethene	25.0	25.6		ug/L		102	74 - 123
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120
Bromodichloromethane	25.0	22.3		ug/L		89	80 - 122
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
4-Methyl-2-pentanone (MIBK)	125	91.6		ug/L		73	71 - 125
Toluene	25.0	22.6		ug/L		90	80 - 122
trans-1,3-Dichloropropene	25.0	21.5		ug/L		86	80 - 120
1,1,2-Trichloroethane	25.0	21.4		ug/L		86	76 - 122
Tetrachloroethene	25.0	28.5		ug/L		114	74 - 122
2-Hexanone	125	95.4		ug/L		76	65 - 127
Dibromochloromethane	25.0	22.6		ug/L		90	75 - 125
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
m,p-Xylene	25.0	26.0		ug/L		104	76 - 122
o-Xylene	25.0	26.6		ug/L		106	76 - 122
Styrene	25.0	26.3		ug/L		105	80 - 120
Bromoform	25.0	27.7		ug/L		111	61 - 132
1,1,2,2-Tetrachloroethane	25.0	23.1		ug/L		92	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-729731/4
Matrix: Water
Analysis Batch: 729731

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			10/25/24 08:13	1
Ethane	ND		7.5	1.5	ug/L			10/25/24 08:13	1
Ethene	ND		7.0	1.5	ug/L			10/25/24 08:13	1

Lab Sample ID: LCS 480-729731/5
Matrix: Water
Analysis Batch: 729731

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	19.5		ug/L		100	85 - 120
Ethane	36.5	36.5		ug/L		100	79 - 120
Ethene	34.0	34.3		ug/L		101	85 - 120

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

Lab Sample ID: LCSD 480-729731/6
Matrix: Water
Analysis Batch: 729731

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane			19.5	20.4		ug/L		105	85 - 120	5	50
Ethane			36.5	37.9		ug/L		104	79 - 120	4	50
Ethene			34.0	35.1		ug/L		103	85 - 120	2	50

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 480-730136/4
Matrix: Water
Analysis Batch: 730136

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.633	J	2.0	0.35	mg/L			10/29/24 16:10	1

Lab Sample ID: LCS 480-730136/5
Matrix: Water
Analysis Batch: 730136

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			50.1	50.56		mg/L		101	90 - 110		

Method: SM 5310C - TOC

Lab Sample ID: MB 480-730395/76
Matrix: Water
Analysis Batch: 730395

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.435	J	1.0	0.43	mg/L			10/29/24 21:36	1

Lab Sample ID: LCS 480-730395/77
Matrix: Water
Analysis Batch: 730395

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			60.0	57.18		mg/L		95	90 - 110		

GC/MS VOA

Analysis Batch: 729823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-2	EW-2	Total/NA	Water	8260C	
480-224720-4	EW-4	Total/NA	Water	8260C	
480-224720-5	EW-5	Total/NA	Water	8260C	
480-224720-6	EW-6	Total/NA	Water	8260C	
MB 480-729823/8	Method Blank	Total/NA	Water	8260C	
LCS 480-729823/6	Lab Control Sample	Total/NA	Water	8260C	
480-224720-4 MS	EW-4	Total/NA	Water	8260C	
480-224720-4 MSD	EW-4	Total/NA	Water	8260C	

Analysis Batch: 729904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-1	86-23(B)	Total/NA	Water	8260C	
MB 480-729904/8	Method Blank	Total/NA	Water	8260C	
LCS 480-729904/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 729961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-7	89-12(1)	Total/NA	Water	8260C	
480-224720-8	93-03(1)	Total/NA	Water	8260C	
480-224720-9	DW-12	Total/NA	Water	8260C	
480-224720-10	DUP-01	Total/NA	Water	8260C	
480-224720-11	87-10(1)	Total/NA	Water	8260C	
480-224720-12	87-10(0)	Total/NA	Water	8260C	
480-224720-13	89-10(1)	Total/NA	Water	8260C	
480-224720-15	DW-11	Total/NA	Water	8260C	
480-224720-17	87-20(1)	Total/NA	Water	8260C	
480-224720-18	87-20(0)	Total/NA	Water	8260C	
480-224720-19	89-04(1)	Total/NA	Water	8260C	
480-224720-20	87-21(1)	Total/NA	Water	8260C	
480-224720-21	89-14(1)	Total/NA	Water	8260C	
480-224720-22	89-14(0)	Total/NA	Water	8260C	
480-224720-23	B-14(1)	Total/NA	Water	8260C	
480-224720-24	FB-1	Total/NA	Water	8260C	
480-224720-25	87-02(1)	Total/NA	Water	8260C	
480-224720-26	87-02(3)	Total/NA	Water	8260C	
MB 480-729961/8	Method Blank	Total/NA	Water	8260C	
LCS 480-729961/6	Lab Control Sample	Total/NA	Water	8260C	
480-224720-10 MS	DUP-01	Total/NA	Water	8260C	
480-224720-10 MSD	DUP-01	Total/NA	Water	8260C	

Analysis Batch: 730008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-16	87-20(1)HS	Total/NA	Water	8260C	
480-224720-27	EW-7	Total/NA	Water	8260C	
480-224720-28	EW-13	Total/NA	Water	8260C	
480-224720-29	TRIP BLANK-01	Total/NA	Water	8260C	
MB 480-730008/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730008/6	Lab Control Sample	Total/NA	Water	8260C	

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

GC/MS VOA

Analysis Batch: 730011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-13 - DL	89-10(1)	Total/NA	Water	8260C	
480-224720-14	87-01(1)	Total/NA	Water	8260C	
MB 480-730011/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730011/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 730065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-3	EW-3	Total/NA	Water	8260C	
MB 480-730065/12	Method Blank	Total/NA	Water	8260C	
LCS 480-730065/11	Lab Control Sample	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 729731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-11	87-10(1)	Total/NA	Water	RSK-175	
480-224720-13	89-10(1)	Total/NA	Water	RSK-175	
MB 480-729731/4	Method Blank	Total/NA	Water	RSK-175	
LCS 480-729731/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-729731/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 730136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-11	87-10(1)	Total/NA	Water	9056A	
480-224720-13	89-10(1)	Total/NA	Water	9056A	
MB 480-730136/4	Method Blank	Total/NA	Water	9056A	
LCS 480-730136/5	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 730395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224720-11	87-10(1)	Total/NA	Water	SM 5310C	
480-224720-13	89-10(1)	Total/NA	Water	SM 5310C	
MB 480-730395/76	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-730395/77	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-224720-1

Client Sample ID: 86-23(B)
Date Collected: 10/22/24 10:05
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	729904	ERS	EET BUF	10/26/24 16:20

Client Sample ID: EW-2
Date Collected: 10/22/24 10:55
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729823	ERS	EET BUF	10/26/24 02:16

Client Sample ID: EW-3
Date Collected: 10/22/24 11:15
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	730065	ERS	EET BUF	10/28/24 15:20

Client Sample ID: EW-4
Date Collected: 10/22/24 11:35
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729823	ERS	EET BUF	10/26/24 03:04

Client Sample ID: EW-5
Date Collected: 10/22/24 11:50
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729823	ERS	EET BUF	10/26/24 03:29

Client Sample ID: EW-6
Date Collected: 10/22/24 13:20
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729823	ERS	EET BUF	10/26/24 03:53

Client Sample ID: 89-12(1)
Date Collected: 10/22/24 13:30
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	729961	AXK	EET BUF	10/27/24 01:49

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-224720-1

Client Sample ID: 93-03(1)
Date Collected: 10/22/24 14:15
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729961	AXK	EET BUF	10/27/24 02:11

Client Sample ID: DW-12
Date Collected: 10/22/24 14:40
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729961	AXK	EET BUF	10/27/24 02:33

Client Sample ID: DUP-01
Date Collected: 10/22/24 00:00
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	729961	AXK	EET BUF	10/27/24 02:56

Client Sample ID: 87-10(1)
Date Collected: 10/22/24 16:10
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	729961	AXK	EET BUF	10/27/24 03:18
Total/NA	Analysis	RSK-175		1	729731	JLS	EET BUF	10/25/24 09:47
Total/NA	Analysis	9056A		10	730136	AF	EET BUF	10/29/24 17:09
Total/NA	Analysis	SM 5310C		1	730395	AF	EET BUF	10/30/24 00:30

Client Sample ID: 87-10(0)
Date Collected: 10/22/24 15:15
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729961	AXK	EET BUF	10/27/24 03:40

Client Sample ID: 89-10(1)
Date Collected: 10/23/24 15:45
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	729961	AXK	EET BUF	10/27/24 04:03
Total/NA	Analysis	8260C	DL	25	730011	AD	EET BUF	10/27/24 15:37
Total/NA	Analysis	RSK-175		1	729731	JLS	EET BUF	10/25/24 10:06
Total/NA	Analysis	9056A		10	730136	AF	EET BUF	10/29/24 17:24
Total/NA	Analysis	SM 5310C		1	730395	AF	EET BUF	10/30/24 01:27

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-224720-1

Client Sample ID: 87-01(1)
Date Collected: 10/22/24 17:05
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	730011	AD	EET BUF	10/27/24 16:00

Client Sample ID: DW-11
Date Collected: 10/22/24 17:00
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	729961	AXK	EET BUF	10/27/24 04:48

Client Sample ID: 87-20(1)HS
Date Collected: 10/23/24 09:10
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730008	AXK	EET BUF	10/27/24 15:37

Client Sample ID: 87-20(1)
Date Collected: 10/23/24 10:00
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	729961	AXK	EET BUF	10/27/24 05:10

Client Sample ID: 87-20(0)
Date Collected: 10/23/24 10:55
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729961	AXK	EET BUF	10/27/24 05:32

Client Sample ID: 89-04(1)
Date Collected: 10/23/24 11:15
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729961	AXK	EET BUF	10/27/24 05:54

Client Sample ID: 87-21(1)
Date Collected: 10/23/24 12:40
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729961	AXK	EET BUF	10/27/24 06:16

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-224720-1

Client Sample ID: 89-14(1)
Date Collected: 10/23/24 12:30
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	729961	AXK	EET BUF	10/27/24 06:39

Client Sample ID: 89-14(0)
Date Collected: 10/23/24 12:35
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	729961	AXK	EET BUF	10/27/24 07:01

Client Sample ID: B-14(1)
Date Collected: 10/23/24 14:40
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	729961	AXK	EET BUF	10/27/24 07:24

Client Sample ID: FB-1
Date Collected: 10/23/24 15:05
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729961	AXK	EET BUF	10/27/24 07:47

Client Sample ID: 87-02(1)
Date Collected: 10/23/24 14:40
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	729961	AXK	EET BUF	10/27/24 08:09

Client Sample ID: 87-02(3)
Date Collected: 10/23/24 15:15
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	729961	AXK	EET BUF	10/27/24 08:31

Client Sample ID: EW-7
Date Collected: 10/23/24 16:05
Date Received: 10/23/24 17:10

Lab Sample ID: 480-224720-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730008	AXK	EET BUF	10/27/24 16:01

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-13
Lab Sample ID: 480-224720-28
Date Collected: 10/23/24 16:05
Matrix: Water
Date Received: 10/23/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	730008	AXK	EET BUF	10/27/24 16:23

Client Sample ID: TRIP BLANK-01
Lab Sample ID: 480-224720-29
Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730008	AXK	EET BUF	10/27/24 16:45

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
9056A	Anions, Ion Chromatography	SW846	EET BUF
SM 5310C	TOC	SM	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224720-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224720-1	86-23(B)	Water	10/22/24 10:05	10/23/24 17:10
480-224720-2	EW-2	Water	10/22/24 10:55	10/23/24 17:10
480-224720-3	EW-3	Water	10/22/24 11:15	10/23/24 17:10
480-224720-4	EW-4	Water	10/22/24 11:35	10/23/24 17:10
480-224720-5	EW-5	Water	10/22/24 11:50	10/23/24 17:10
480-224720-6	EW-6	Water	10/22/24 13:20	10/23/24 17:10
480-224720-7	89-12(1)	Water	10/22/24 13:30	10/23/24 17:10
480-224720-8	93-03(1)	Water	10/22/24 14:15	10/23/24 17:10
480-224720-9	DW-12	Water	10/22/24 14:40	10/23/24 17:10
480-224720-10	DUP-01	Water	10/22/24 00:00	10/23/24 17:10
480-224720-11	87-10(1)	Water	10/22/24 16:10	10/23/24 17:10
480-224720-12	87-10(0)	Water	10/22/24 15:15	10/23/24 17:10
480-224720-13	89-10(1)	Water	10/23/24 15:45	10/23/24 17:10
480-224720-14	87-01(1)	Water	10/22/24 17:05	10/23/24 17:10
480-224720-15	DW-11	Water	10/22/24 17:00	10/23/24 17:10
480-224720-16	87-20(1)HS	Water	10/23/24 09:10	10/23/24 17:10
480-224720-17	87-20(1)	Water	10/23/24 10:00	10/23/24 17:10
480-224720-18	87-20(0)	Water	10/23/24 10:55	10/23/24 17:10
480-224720-19	89-04(1)	Water	10/23/24 11:15	10/23/24 17:10
480-224720-20	87-21(1)	Water	10/23/24 12:40	10/23/24 17:10
480-224720-21	89-14(1)	Water	10/23/24 12:30	10/23/24 17:10
480-224720-22	89-14(0)	Water	10/23/24 12:35	10/23/24 17:10
480-224720-23	B-14(1)	Water	10/23/24 14:40	10/23/24 17:10
480-224720-24	FB-1	Water	10/23/24 15:05	10/23/24 17:10
480-224720-25	87-02(1)	Water	10/23/24 14:40	10/23/24 17:10
480-224720-26	87-02(3)	Water	10/23/24 15:15	10/23/24 17:10
480-224720-27	EW-7	Water	10/23/24 16:05	10/23/24 17:10
480-224720-28	EW-13	Water	10/23/24 16:05	10/23/24 17:10
480-224720-29	TRIP BLANK-01	Water	10/23/24 00:00	10/23/24 17:10

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

Pg 1 of 3
19873

eurofins

Environment Testing
TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kevin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	____ of ____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Textron Annual Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			Job / SDG No.:
P O # OS 221984	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
EG-23(B)	10/22/24	1005	G	W	3	N	N	x				
EW-2		1055	G	W		N	N	x				
EW-3		1115	G	W		N	N	x				
EW-4		1135	G	W		N	N	x				
EW-4 MS		↓	G	W		N	N	x				
EW-4 MSD		↓	G	W		N	N	x				
EW-5		1150	G	W		N	N	x				
EW-6		1320	G	W		N	N	x				
SG-12(L)		1330	G	W		N	N	x				
93-03(L)		1415	G	W		N	N	x				
DW-12		1440	G	W		N	N	x				
DUP-01	10/22/24	—	G	W	↓	N	N	x				

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if sample

☐ Return to Client ☐ Disposal by Lab ☐ ____ Months

480-224720 Chain of Custody

Special Instructions/QC Requirements & Comments:

2.7 ICE IR# SC

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____	Therm ID No.: ____
Relinquished by: Brian Cronin	Company: APTIM	Date/Time: 10/23/24 1710	Received by: LC	Company: Date/Time: 10/28/24 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company: Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: Date/Time:

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

11/4/2024

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins
Environment Testing
TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kevin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	____ of ____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Textron Annual Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
P O # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
87-10(1)	10/22/24	1610	G	W	9	N	N	x	X	X	X	
87-10(0)	↓	1615	G	W	3	N	N	x				
89-10(1)	10/22/24	1545	G	W	9	N	N	x	X	X	X	
87-01(1)	10/22/24	1705	G	W	3	N	N	x				
DW-11	↓	1700	G	W	3	N	N	x				
87-20(1) MS	10/23/24	0810	G	W	3	N	N	x				
87-20(1)		1000	G	W	3	N	N	x				
87-20(0)		1055	G	W	3	N	N	x				
89-04(1)		1115	G	W	3	N	N	x				
87-21(1)		1240	G	W		N	N	x				
89-14(1)		1230	G	W		N	N	x				
89-14(0)		1235	G	W		N	N	x				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by: Brian Cronin	Company: APTIM	Date/Time: 10/23/24 1710	Received by: LC	Company:	Date/Time: 10/23/24 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

Chain of Custody Record

eurofins

10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmeri

Client Contact	Project Manager: Paul Bauer	Site Contact: Kevin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	____ of ____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Textron Annual Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
P O # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
B-14(1)	10/23/24	1440	G	W	3	N	N	x				
FB-1		1505	G	W	3	N	N	x				HERON WL PROBE
87-02(1)		1440	G	W	3	N	N	x				
87-02(3)		1515	G	W	3	N	N	x				
EW-7		1605	G	W	3	N	N	x				
EW-13		1605	G	W	3	N	N	x				
TRIP BLANK 01	10/9/24		G	W	1	N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____		Therm ID No.: ____
Relinquished by: Kevin Cronin	Company: APTIM	Date/Time: 10/23/24 1710	Received by: LC	Company:	Date/Time: 10/23/24 17:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-224720-1

Login Number: 224720
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 11/7/2024 11:42:18 AM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-224877-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

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

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job Narrative
480-224877-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/25/2024 4:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8°C and 3.9°C.

Receipt Exceptions
The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received: Lab did not receive said samples with sample set: 89-14(0) (480-224877-13) and 89-14(1) (480-224877-14).

The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): Lab received samples that were not listed on COC. Samples were added to login: 89-15(1) (480-224877-28).

GC/MS VOA
Method 8260C: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: TRIP BLANK-02 (480-224877-22).

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: 17-04(1) (480-224877-8).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-8 (480-224877-1), 17-01(1) (480-224877-2), 87-08(1) (480-224877-5), 17-04(1) (480-224877-8) and B-10A(1) (480-224877-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-730472 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 87-22(1)HS (480-224877-3), 87-22(1) (480-224877-4), 87-08(1) (480-224877-5), DW-9 (480-224877-9), DUP-02 (480-224877-11), 87-13(1) (480-224877-18), 87-14(0) (480-224877-19), 87-17(1)HS (480-224877-20), 87-16(1) (480-224877-23), 87-13(3) (480-224877-24), DW-10HS (480-224877-25) and 19-01(1) (480-224877-27). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 87-04(1) (480-224877-7), 87-14(1) (480-224877-17), DW-10 (480-224877-26) and 89-15(1) (480-224877-28). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: 87-14(1) (480-224877-17), 19-01(1) (480-224877-27) and 89-15(1) (480-224877-28).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: 87-17(1) (480-224877-21). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-730819 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have

been reported. The associated sample is impacted: 87-17(1) (480-224877-21).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 87-17(1) (480-224877-21[MS]) and 87-17(1) (480-224877-21[MSD]). Elevated reporting limits (RLs) are provided.

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

GC VOA

Method RSK_175: The following samples were diluted to bring the concentration of target analytes within the calibration range: 87-04(1) (480-224877-7), B-10A(1) (480-224877-10), 87-14(1) (480-224877-17), 87-13(1) (480-224877-18) and 19-01(1) (480-224877-27). Elevated reporting limits (RLs) are provided.

Method RSK_175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: 87-04(1) (480-224877-7), 87-14(1) (480-224877-17) and 19-01(1) (480-224877-27).

Method RSK_175: The following samples were diluted to bring the concentration of target analytes within the calibration range: 17-04(1) (480-224877-8), 87-16(1) (480-224877-23) and 89-15(1) (480-224877-28). Elevated reporting limits (RLs) are provided.

Method RSK_175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: 17-01(1) (480-224877-2), 17-04(1) (480-224877-8) and 89-15(1) (480-224877-28).

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

General Chemistry

Method 9056A_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: 17-01(1) (480-224877-2), 87-04(1) (480-224877-7) and DW-9 (480-224877-9). Elevated reporting limits (RLs) are provided.

Method 9056A_28D: The following samples were diluted due to the nature of the sample matrix: 17-04(1) (480-224877-8), B-10A(1) (480-224877-10), 87-14(1) (480-224877-17), 87-13(1) (480-224877-18), 87-16(1) (480-224877-23), 19-01(1) (480-224877-27) and 89-15(1) (480-224877-28). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-8 — Lab Sample ID: 480-224877-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2900		200	180	ug/L	200		8260C	Total/NA
Methylene Chloride	340		200	88	ug/L	200		8260C	Total/NA
1,1-Dichloroethane	280		200	76	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	14000		200	160	ug/L	200		8260C	Total/NA

Client Sample ID: 17-01(1) — Lab Sample ID: 480-224877-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	58000		2000	880	ug/L	2000		8260C	Total/NA
cis-1,2-Dichloroethene	30000		2000	1600	ug/L	2000		8260C	Total/NA
Trichloroethene	70000		2000	920	ug/L	2000		8260C	Total/NA
Methane	110		4.0	1.0	ug/L	1		RSK-175	Total/NA
Ethane	26		7.5	1.5	ug/L	1		RSK-175	Total/NA
Sulfate	1420	B	40.0	7.0	mg/L	20		9056A	Total/NA
Total Organic Carbon	421		20.0	8.7	mg/L	20		SM 5310C	Total/NA

Client Sample ID: 87-22(1)HS — Lab Sample ID: 480-224877-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	88		2.0	1.8	ug/L	2		8260C	Total/NA
Methylene Chloride	2.4		2.0	0.88	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	48		2.0	1.6	ug/L	2		8260C	Total/NA

Client Sample ID: 87-22(1) — Lab Sample ID: 480-224877-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	4.0		1.0	0.29	ug/L	1		8260C	Total/NA
Methylene Chloride	0.45	J	1.0	0.44	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	6.9		1.0	0.90	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.5		1.0	0.38	ug/L	1		8260C	Total/NA
Chloroform	0.40	J	1.0	0.34	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane	2.3		1.0	0.82	ug/L	1		8260C	Total/NA
Trichloroethene	5.2		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride - DL	2100		50	45	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene - DL	1100		50	41	ug/L	50		8260C	Total/NA

Client Sample ID: 87-08(1) — Lab Sample ID: 480-224877-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	190		4.0	3.6	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	2.4	J	4.0	1.2	ug/L	4		8260C	Total/NA
Methylene Chloride	7.1		4.0	1.8	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	4.6		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene - DL	520		8.0	6.5	ug/L	8		8260C	Total/NA

Client Sample ID: B-8(0) — Lab Sample ID: 480-224877-6

No Detections.

Client Sample ID: 87-04(1) — Lab Sample ID: 480-224877-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1400		1000	900	ug/L	1000		8260C	Total/NA
Methylene Chloride	11000		1000	440	ug/L	1000		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: 87-04(1) (Continued)
Lab Sample ID: 480-224877-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2100		1000	810	ug/L	1000		8260C	Total/NA
Trichloroethene	940	J	1000	460	ug/L	1000		8260C	Total/NA
Methane	1300		440	110	ug/L	110		RSK-175	Total/NA
Ethene	200	J	770	170	ug/L	110		RSK-175	Total/NA
Sulfate	594	B	20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	2200		40.0	17.4	mg/L	40		SM 5310C	Total/NA

Client Sample ID: 17-04(1)
Lab Sample ID: 480-224877-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	160000		5000	2200	ug/L	5000		8260C	Total/NA
Methane	680		88	22	ug/L	22		RSK-175	Total/NA
Ethane	860		170	33	ug/L	22		RSK-175	Total/NA
Ethene	1700		150	33	ug/L	22		RSK-175	Total/NA
Sulfate	41.6	B	40.0	7.0	mg/L	20		9056A	Total/NA
Total Organic Carbon	379		20.0	8.7	mg/L	20		SM 5310C	Total/NA

Client Sample ID: DW-9
Lab Sample ID: 480-224877-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	85		1.0	0.90	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.64	J	1.0	0.29	ug/L	1		8260C	Total/NA
Methylene Chloride	12		1.0	0.44	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane	1.9		1.0	0.82	ug/L	1		8260C	Total/NA
Trichloroethene	19		1.0	0.46	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	240		5.0	4.1	ug/L	5		8260C	Total/NA
Methane	220		4.0	1.0	ug/L	1		RSK-175	Total/NA
Ethene	32		7.0	1.5	ug/L	1		RSK-175	Total/NA
Sulfate	98.4	B	4.0	0.70	mg/L	2		9056A	Total/NA
Total Organic Carbon	2.1		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: B-10A(1)
Lab Sample ID: 480-224877-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	9400		400	360	ug/L	400		8260C	Total/NA
Methylene Chloride	300	J	400	180	ug/L	400		8260C	Total/NA
1,1-Dichloroethane	150	J	400	150	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene	5900		400	320	ug/L	400		8260C	Total/NA
Methane	8300		440	110	ug/L	110		RSK-175	Total/NA
Ethene	2800		770	170	ug/L	110		RSK-175	Total/NA
Sulfate	188	B	10.0	1.7	mg/L	5		9056A	Total/NA
Total Organic Carbon	4.2		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: DUP-02
Lab Sample ID: 480-224877-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2100		100	90	ug/L	100		8260C	Total/NA
Methylene Chloride	47	J	100	44	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	1100		100	81	ug/L	100		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-19(1)HS — Lab Sample ID: 480-224877-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.1		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.9		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: 87-19(1) — Lab Sample ID: 480-224877-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.9		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.1		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: FB-2 — Lab Sample ID: 480-224877-16

No Detections.

Client Sample ID: 87-14(1) — Lab Sample ID: 480-224877-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	820		400	360	ug/L	400		8260C	Total/NA
Carbon disulfide	190	J	400	76	ug/L	400		8260C	Total/NA
Methylene Chloride	310	J	400	180	ug/L	400		8260C	Total/NA
1,1-Dichloroethane	920		400	150	ug/L	400		8260C	Total/NA
Methane	5600		440	110	ug/L	110		RSK-175	Total/NA
Ethane	1200		830	170	ug/L	110		RSK-175	Total/NA
Ethene	5100		770	170	ug/L	110		RSK-175	Total/NA
Total Organic Carbon	1590		20.0	8.7	mg/L	20		SM 5310C	Total/NA

Client Sample ID: 87-13(1) — Lab Sample ID: 480-224877-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	59	J	100	32	ug/L	100		8260C	Total/NA
1,1-Dichloroethene	58	J	100	29	ug/L	100		8260C	Total/NA
Methylene Chloride	8300		100	44	ug/L	100		8260C	Total/NA
1,1-Dichloroethane	53	J	100	38	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	290		100	81	ug/L	100		8260C	Total/NA
Trichloroethene	270		100	46	ug/L	100		8260C	Total/NA
Methane	1800		440	110	ug/L	110		RSK-175	Total/NA
Ethane	990		830	170	ug/L	110		RSK-175	Total/NA
Ethene	1600		770	170	ug/L	110		RSK-175	Total/NA
Sulfate	6.6	J B	10.0	1.7	mg/L	5		9056A	Total/NA
Total Organic Carbon	138		2.0	0.87	mg/L	2		SM 5310C	Total/NA

Client Sample ID: 87-14(0) — Lab Sample ID: 480-224877-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J	2.0	0.88	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	8.1		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	100		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: 87-17(1)HS — Lab Sample ID: 480-224877-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	150		2.0	1.8	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	0.89	J	2.0	0.58	ug/L	2		8260C	Total/NA
Methylene Chloride	1.7	J	2.0	0.88	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	11		2.0	0.76	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: 87-17(1)HS (Continued) — Lab Sample ID: 480-224877-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	84		2.0	1.6	ug/L	2		8260C	Total/NA
1,1,1-Trichloroethane	29		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	1.7	J	2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: 87-17(1) — Lab Sample ID: 480-224877-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	150		4.0	3.6	ug/L	4		8260C	Total/NA
Methylene Chloride	4.2		4.0	1.8	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	11		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	83		4.0	3.2	ug/L	4		8260C	Total/NA
1,1,1-Trichloroethane	30		4.0	3.3	ug/L	4		8260C	Total/NA

Client Sample ID: TRIP BLANK-02 — Lab Sample ID: 480-224877-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.34	J H H3	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: 87-16(1) — Lab Sample ID: 480-224877-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	670000		8000	3500	ug/L	8000		8260C	Total/NA
cis-1,2-Dichloroethene	110000		8000	6500	ug/L	8000		8260C	Total/NA
Trichloroethene	310000		8000	3700	ug/L	8000		8260C	Total/NA
Methane	590		44	11	ug/L	11		RSK-175	Total/NA
Ethane	130		83	17	ug/L	11		RSK-175	Total/NA
Ethene	520		77	17	ug/L	11		RSK-175	Total/NA
Sulfate	148		20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	9.6		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: 87-13(3) — Lab Sample ID: 480-224877-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	4300		200	180	ug/L	200		8260C	Total/NA
Methylene Chloride	150	J	200	88	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	9600		200	160	ug/L	200		8260C	Total/NA

Client Sample ID: DW-10HS — Lab Sample ID: 480-224877-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	21000		400	180	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene	1600		400	320	ug/L	400		8260C	Total/NA
Trichloroethene	430		400	180	ug/L	400		8260C	Total/NA

Client Sample ID: DW-10 — Lab Sample ID: 480-224877-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	210		200	180	ug/L	200		8260C	Total/NA
Methylene Chloride	920		200	88	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	990		200	160	ug/L	200		8260C	Total/NA
Trichloroethene	180	J	200	92	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 19-01(1) — Lab Sample ID: 480-224877-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	870		10	9.0	ug/L	10		8260C	Total/NA
Methylene Chloride	790		10	4.4	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	12		10	3.8	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	65		10	8.1	ug/L	10		8260C	Total/NA
2-Butanone (MEK)	150		100	13	ug/L	10		8260C	Total/NA
Trichloroethene	35		10	4.6	ug/L	10		8260C	Total/NA
2-Hexanone	38	J	50	12	ug/L	10		8260C	Total/NA
Methane	2500		440	110	ug/L	110		RSK-175	Total/NA
Ethane	290	J	830	170	ug/L	110		RSK-175	Total/NA
Total Organic Carbon	4380		100	43.4	mg/L	100		SM 5310C	Total/NA

Client Sample ID: 89-15(1) — Lab Sample ID: 480-224877-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	160		80	24	ug/L	8		8260C	Total/NA
Methylene Chloride	13		8.0	3.5	ug/L	8		8260C	Total/NA
trans-1,2-Dichloroethene	10		8.0	7.2	ug/L	8		8260C	Total/NA
1,1-Dichloroethane	7.0	J	8.0	3.0	ug/L	8		8260C	Total/NA
2-Butanone (MEK)	360		80	11	ug/L	8		8260C	Total/NA
Ethene	130	J	150	33	ug/L	22		RSK-175	Total/NA
Methane - DL	16000		440	110	ug/L	110		RSK-175	Total/NA
Sulfate	6.8	J	20.0	3.5	mg/L	10		9056A	Total/NA
Total Organic Carbon	675		10.0	4.3	mg/L	10		SM 5310C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: EW-8
Lab Sample ID: 480-224877-1

Date Collected: 10/24/24 09:40
Matrix: Water

Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		200	70	ug/L			10/30/24 19:55	200
Vinyl chloride	**2900**		200	180	ug/L			10/30/24 19:55	200
Chloroethane	ND		200	64	ug/L			10/30/24 19:55	200
Bromomethane	ND		200	140	ug/L			10/30/24 19:55	200
1,1-Dichloroethene	ND		200	58	ug/L			10/30/24 19:55	200
Acetone	ND		2000	600	ug/L			10/30/24 19:55	200
Carbon disulfide	ND		200	38	ug/L			10/30/24 19:55	200
Methylene Chloride	**340**		200	88	ug/L			10/30/24 19:55	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/30/24 19:55	200
1,1-Dichloroethane	**280**		200	76	ug/L			10/30/24 19:55	200
cis-1,2-Dichloroethene	**14000**		200	160	ug/L			10/30/24 19:55	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/30/24 19:55	200
Chloroform	ND		200	68	ug/L			10/30/24 19:55	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/30/24 19:55	200
Carbon tetrachloride	ND		200	54	ug/L			10/30/24 19:55	200
Benzene	ND		200	82	ug/L			10/30/24 19:55	200
1,2-Dichloroethane	ND		200	42	ug/L			10/30/24 19:55	200
Trichloroethene	ND		200	92	ug/L			10/30/24 19:55	200
1,2-Dichloropropane	ND		200	140	ug/L			10/30/24 19:55	200
Bromodichloromethane	ND		200	78	ug/L			10/30/24 19:55	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/30/24 19:55	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/30/24 19:55	200
Toluene	ND		200	100	ug/L			10/30/24 19:55	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/30/24 19:55	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/30/24 19:55	200
Tetrachloroethene	ND		200	72	ug/L			10/30/24 19:55	200
2-Hexanone	ND		1000	250	ug/L			10/30/24 19:55	200
Dibromochloromethane	ND		200	64	ug/L			10/30/24 19:55	200
Chlorobenzene	ND		200	150	ug/L			10/30/24 19:55	200
Ethylbenzene	ND		200	150	ug/L			10/30/24 19:55	200
m,p-Xylene	ND		400	130	ug/L			10/30/24 19:55	200
o-Xylene	ND		200	150	ug/L			10/30/24 19:55	200
Styrene	ND		200	150	ug/L			10/30/24 19:55	200
Bromoform	ND		200	52	ug/L			10/30/24 19:55	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			10/30/24 19:55	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/30/24 19:55*	*200*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/30/24 19:55*	*200*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*10/30/24 19:55*	*200*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/30/24 19:55*	*200*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-01(1)
Date Collected: 10/24/24 09:45
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2000	700	ug/L			10/30/24 20:18	2000
Vinyl chloride	ND		2000	1800	ug/L			10/30/24 20:18	2000
Chloroethane	ND		2000	640	ug/L			10/30/24 20:18	2000
Bromomethane	ND		2000	1400	ug/L			10/30/24 20:18	2000
1,1-Dichloroethene	ND		2000	580	ug/L			10/30/24 20:18	2000
Acetone	ND		20000	6000	ug/L			10/30/24 20:18	2000
Carbon disulfide	ND		2000	380	ug/L			10/30/24 20:18	2000
Methylene Chloride	**58000**		2000	880	ug/L			10/30/24 20:18	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			10/30/24 20:18	2000
1,1-Dichloroethane	ND		2000	760	ug/L			10/30/24 20:18	2000
cis-1,2-Dichloroethene	**30000**		2000	1600	ug/L			10/30/24 20:18	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			10/30/24 20:18	2000
Chloroform	ND		2000	680	ug/L			10/30/24 20:18	2000
1,1,1-Trichloroethane	ND		2000	1600	ug/L			10/30/24 20:18	2000
Carbon tetrachloride	ND		2000	540	ug/L			10/30/24 20:18	2000
Benzene	ND		2000	820	ug/L			10/30/24 20:18	2000
1,2-Dichloroethane	ND		2000	420	ug/L			10/30/24 20:18	2000
Trichloroethene	**70000**		2000	920	ug/L			10/30/24 20:18	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			10/30/24 20:18	2000
Bromodichloromethane	ND		2000	780	ug/L			10/30/24 20:18	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			10/30/24 20:18	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			10/30/24 20:18	2000
Toluene	ND		2000	1000	ug/L			10/30/24 20:18	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			10/30/24 20:18	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			10/30/24 20:18	2000
Tetrachloroethene	ND		2000	720	ug/L			10/30/24 20:18	2000
2-Hexanone	ND		10000	2500	ug/L			10/30/24 20:18	2000
Dibromochloromethane	ND		2000	640	ug/L			10/30/24 20:18	2000
Chlorobenzene	ND		2000	1500	ug/L			10/30/24 20:18	2000
Ethylbenzene	ND		2000	1500	ug/L			10/30/24 20:18	2000
m,p-Xylene	ND		4000	1300	ug/L			10/30/24 20:18	2000
o-Xylene	ND		2000	1500	ug/L			10/30/24 20:18	2000
Styrene	ND		2000	1500	ug/L			10/30/24 20:18	2000
Bromoform	ND		2000	520	ug/L			10/30/24 20:18	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			10/30/24 20:18	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/30/24 20:18*	*2000*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/30/24 20:18*	*2000*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*10/30/24 20:18*	*2000*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/30/24 20:18*	*2000*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**110**		4.0	1.0	ug/L			10/30/24 08:38	1
Ethane	**26**		7.5	1.5	ug/L			10/30/24 08:38	1
Ethene	ND		7.0	1.5	ug/L			10/30/24 08:38	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-01(1)
Lab Sample ID: 480-224877-2
Date Collected: 10/24/24 09:45
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	1420	B	40.0	7.0	mg/L			11/01/24 19:14	20
Total Organic Carbon (SM 5310C)	421		20.0	8.7	mg/L			11/01/24 02:05	20

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-22(1)HS
Lab Sample ID: 480-224877-3
Date Collected: 10/24/24 10:35
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			10/31/24 13:23	2
Vinyl chloride	**88**		2.0	1.8	ug/L			10/31/24 13:23	2
Chloroethane	ND		2.0	0.64	ug/L			10/31/24 13:23	2
Bromomethane	ND		2.0	1.4	ug/L			10/31/24 13:23	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/31/24 13:23	2
Acetone	ND		20	6.0	ug/L			10/31/24 13:23	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/31/24 13:23	2
Methylene Chloride	**2.4**		2.0	0.88	ug/L			10/31/24 13:23	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/31/24 13:23	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/31/24 13:23	2
cis-1,2-Dichloroethene	**48**		2.0	1.6	ug/L			10/31/24 13:23	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/31/24 13:23	2
Chloroform	ND		2.0	0.68	ug/L			10/31/24 13:23	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/31/24 13:23	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/31/24 13:23	2
Benzene	ND		2.0	0.82	ug/L			10/31/24 13:23	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/31/24 13:23	2
Trichloroethene	ND		2.0	0.92	ug/L			10/31/24 13:23	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/31/24 13:23	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/31/24 13:23	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/31/24 13:23	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/31/24 13:23	2
Toluene	ND		2.0	1.0	ug/L			10/31/24 13:23	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/31/24 13:23	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/31/24 13:23	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/31/24 13:23	2
2-Hexanone	ND		10	2.5	ug/L			10/31/24 13:23	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/31/24 13:23	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/31/24 13:23	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/31/24 13:23	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/31/24 13:23	2
o-Xylene	ND		2.0	1.5	ug/L			10/31/24 13:23	2
Styrene	ND		2.0	1.5	ug/L			10/31/24 13:23	2
Bromoform	ND		2.0	0.52	ug/L			10/31/24 13:23	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/31/24 13:23	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/31/24 13:23*	*2*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/31/24 13:23*	*2*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/31/24 13:23*	*2*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/31/24 13:23*	*2*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-22(1)
Lab Sample ID: 480-224877-4
Date Collected: 10/24/24 11:45
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/30/24 20:40	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/24 20:40	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/24 20:40	1
1,1-Dichloroethene	**4.0**		1.0	0.29	ug/L			10/30/24 20:40	1
Acetone	ND		10	3.0	ug/L			10/30/24 20:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/24 20:40	1
Methylene Chloride	**0.45**	**J**	1.0	0.44	ug/L			10/30/24 20:40	1
trans-1,2-Dichloroethene	**6.9**		1.0	0.90	ug/L			10/30/24 20:40	1
1,1-Dichloroethane	**5.5**		1.0	0.38	ug/L			10/30/24 20:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/24 20:40	1
Chloroform	**0.40**	**J**	1.0	0.34	ug/L			10/30/24 20:40	1
1,1,1-Trichloroethane	**2.3**		1.0	0.82	ug/L			10/30/24 20:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/24 20:40	1
Benzene	ND		1.0	0.41	ug/L			10/30/24 20:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/24 20:40	1
Trichloroethene	**5.2**		1.0	0.46	ug/L			10/30/24 20:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/24 20:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/24 20:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/24 20:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/24 20:40	1
Toluene	ND		1.0	0.51	ug/L			10/30/24 20:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/24 20:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/24 20:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/24 20:40	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/24 20:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/24 20:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/24 20:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/24 20:40	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/30/24 20:40	1
o-Xylene	ND		1.0	0.76	ug/L			10/30/24 20:40	1
Styrene	ND		1.0	0.73	ug/L			10/30/24 20:40	1
Bromoform	ND		1.0	0.26	ug/L			10/30/24 20:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/24 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/30/24 20:40*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/30/24 20:40*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/30/24 20:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/30/24 20:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**2100**		50	45	ug/L			10/31/24 13:56	50
cis-1,2-Dichloroethene	**1100**		50	41	ug/L			10/31/24 13:56	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/31/24 13:56*	*50*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/31/24 13:56*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/31/24 13:56*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/31/24 13:56*	*50*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-08(1)
Lab Sample ID: 480-224877-5
Date Collected: 10/24/24 13:45
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.0	1.4	ug/L			10/30/24 21:02	4
Vinyl chloride	**190**		4.0	3.6	ug/L			10/30/24 21:02	4
Chloroethane	ND		4.0	1.3	ug/L			10/30/24 21:02	4
Bromomethane	ND		4.0	2.8	ug/L			10/30/24 21:02	4
1,1-Dichloroethene	**2.4**	**J**	4.0	1.2	ug/L			10/30/24 21:02	4
Acetone	ND		40	12	ug/L			10/30/24 21:02	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/30/24 21:02	4
Methylene Chloride	**7.1**		4.0	1.8	ug/L			10/30/24 21:02	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/30/24 21:02	4
1,1-Dichloroethane	**4.6**		4.0	1.5	ug/L			10/30/24 21:02	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/30/24 21:02	4
Chloroform	ND		4.0	1.4	ug/L			10/30/24 21:02	4
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/30/24 21:02	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/30/24 21:02	4
Benzene	ND		4.0	1.6	ug/L			10/30/24 21:02	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/30/24 21:02	4
Trichloroethene	ND		4.0	1.8	ug/L			10/30/24 21:02	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/30/24 21:02	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/30/24 21:02	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/30/24 21:02	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/30/24 21:02	4
Toluene	ND		4.0	2.0	ug/L			10/30/24 21:02	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/30/24 21:02	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/30/24 21:02	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/30/24 21:02	4
2-Hexanone	ND		20	5.0	ug/L			10/30/24 21:02	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/30/24 21:02	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/30/24 21:02	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/30/24 21:02	4
m,p-Xylene	ND		8.0	2.6	ug/L			10/30/24 21:02	4
o-Xylene	ND		4.0	3.0	ug/L			10/30/24 21:02	4
Styrene	ND		4.0	2.9	ug/L			10/30/24 21:02	4
Bromoform	ND		4.0	1.0	ug/L			10/30/24 21:02	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/30/24 21:02	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/30/24 21:02*	*4*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/30/24 21:02*	*4*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/30/24 21:02*	*4*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/30/24 21:02*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**520**		8.0	6.5	ug/L			10/31/24 14:18	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/31/24 14:18*	*8*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/31/24 14:18*	*8*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/31/24 14:18*	*8*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/31/24 14:18*	*8*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: B-8(0)
Lab Sample ID: 480-224877-6
Date Collected: 10/24/24 14:40
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/30/24 21:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/24 21:24	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/24 21:24	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/24 21:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/24 21:24	1
Acetone	ND		10	3.0	ug/L			10/30/24 21:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/24 21:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/24 21:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/24 21:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/24 21:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/30/24 21:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/24 21:24	1
Chloroform	ND		1.0	0.34	ug/L			10/30/24 21:24	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/24 21:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/24 21:24	1
Benzene	ND		1.0	0.41	ug/L			10/30/24 21:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/24 21:24	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/24 21:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/24 21:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/24 21:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/24 21:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/24 21:24	1
Toluene	ND		1.0	0.51	ug/L			10/30/24 21:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/24 21:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/24 21:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/24 21:24	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/24 21:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/24 21:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/24 21:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/24 21:24	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/30/24 21:24	1
o-Xylene	ND		1.0	0.76	ug/L			10/30/24 21:24	1
Styrene	ND		1.0	0.73	ug/L			10/30/24 21:24	1
Bromoform	ND		1.0	0.26	ug/L			10/30/24 21:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/24 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/30/24 21:24*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/30/24 21:24*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/30/24 21:24*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/30/24 21:24*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-04(1)
Date Collected: 10/24/24 11:15
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1000	350	ug/L			10/30/24 21:47	1000
Vinyl chloride	**1400**		1000	900	ug/L			10/30/24 21:47	1000
Chloroethane	ND		1000	320	ug/L			10/30/24 21:47	1000
Bromomethane	ND		1000	690	ug/L			10/30/24 21:47	1000
1,1-Dichloroethene	ND		1000	290	ug/L			10/30/24 21:47	1000
Acetone	ND		10000	3000	ug/L			10/30/24 21:47	1000
Carbon disulfide	ND		1000	190	ug/L			10/30/24 21:47	1000
Methylene Chloride	**11000**		1000	440	ug/L			10/30/24 21:47	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			10/30/24 21:47	1000
1,1-Dichloroethane	ND		1000	380	ug/L			10/30/24 21:47	1000
cis-1,2-Dichloroethene	**2100**		1000	810	ug/L			10/30/24 21:47	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			10/30/24 21:47	1000
Chloroform	ND		1000	340	ug/L			10/30/24 21:47	1000
1,1,1-Trichloroethane	ND		1000	820	ug/L			10/30/24 21:47	1000
Carbon tetrachloride	ND		1000	270	ug/L			10/30/24 21:47	1000
Benzene	ND		1000	410	ug/L			10/30/24 21:47	1000
1,2-Dichloroethane	ND		1000	210	ug/L			10/30/24 21:47	1000
Trichloroethene	**940**	**J**	1000	460	ug/L			10/30/24 21:47	1000
1,2-Dichloropropane	ND		1000	720	ug/L			10/30/24 21:47	1000
Bromodichloromethane	ND		1000	390	ug/L			10/30/24 21:47	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			10/30/24 21:47	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			10/30/24 21:47	1000
Toluene	ND		1000	510	ug/L			10/30/24 21:47	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			10/30/24 21:47	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			10/30/24 21:47	1000
Tetrachloroethene	ND		1000	360	ug/L			10/30/24 21:47	1000
2-Hexanone	ND		5000	1200	ug/L			10/30/24 21:47	1000
Dibromochloromethane	ND		1000	320	ug/L			10/30/24 21:47	1000
Chlorobenzene	ND		1000	750	ug/L			10/30/24 21:47	1000
Ethylbenzene	ND		1000	740	ug/L			10/30/24 21:47	1000
m,p-Xylene	ND		2000	660	ug/L			10/30/24 21:47	1000
o-Xylene	ND		1000	760	ug/L			10/30/24 21:47	1000
Styrene	ND		1000	730	ug/L			10/30/24 21:47	1000
Bromoform	ND		1000	260	ug/L			10/30/24 21:47	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			10/30/24 21:47	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/30/24 21:47*	*1000*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/30/24 21:47*	*1000*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/30/24 21:47*	*1000*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/30/24 21:47*	*1000*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1300**		440	110	ug/L			10/29/24 13:09	110
Ethane	ND		830	170	ug/L			10/29/24 13:09	110
Ethene	**200**	**J**	770	170	ug/L			10/29/24 13:09	110

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-04(1)
Lab Sample ID: 480-224877-7
Date Collected: 10/24/24 11:15
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	594	B	20.0	3.5	mg/L			11/01/24 19:28	10
Total Organic Carbon (SM 5310C)	2200		40.0	17.4	mg/L			11/03/24 21:32	40

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-04(1)
Date Collected: 10/24/24 12:20
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5000	1800	ug/L			10/30/24 22:09	5000
Vinyl chloride	ND		5000	4500	ug/L			10/30/24 22:09	5000
Chloroethane	ND		5000	1600	ug/L			10/30/24 22:09	5000
Bromomethane	ND		5000	3500	ug/L			10/30/24 22:09	5000
1,1-Dichloroethene	ND		5000	1500	ug/L			10/30/24 22:09	5000
Acetone	ND		50000	15000	ug/L			10/30/24 22:09	5000
Carbon disulfide	ND		5000	950	ug/L			10/30/24 22:09	5000
Methylene Chloride	**160000**		5000	2200	ug/L			10/30/24 22:09	5000
trans-1,2-Dichloroethene	ND		5000	4500	ug/L			10/30/24 22:09	5000
1,1-Dichloroethane	ND		5000	1900	ug/L			10/30/24 22:09	5000
cis-1,2-Dichloroethene	ND		5000	4100	ug/L			10/30/24 22:09	5000
2-Butanone (MEK)	ND		50000	6600	ug/L			10/30/24 22:09	5000
Chloroform	ND		5000	1700	ug/L			10/30/24 22:09	5000
1,1,1-Trichloroethane	ND		5000	4100	ug/L			10/30/24 22:09	5000
Carbon tetrachloride	ND		5000	1400	ug/L			10/30/24 22:09	5000
Benzene	ND		5000	2100	ug/L			10/30/24 22:09	5000
1,2-Dichloroethane	ND		5000	1100	ug/L			10/30/24 22:09	5000
Trichloroethene	ND		5000	2300	ug/L			10/30/24 22:09	5000
1,2-Dichloropropane	ND		5000	3600	ug/L			10/30/24 22:09	5000
Bromodichloromethane	ND		5000	2000	ug/L			10/30/24 22:09	5000
cis-1,3-Dichloropropene	ND		5000	1800	ug/L			10/30/24 22:09	5000
4-Methyl-2-pentanone (MIBK)	ND		25000	11000	ug/L			10/30/24 22:09	5000
Toluene	ND		5000	2600	ug/L			10/30/24 22:09	5000
trans-1,3-Dichloropropene	ND		5000	1900	ug/L			10/30/24 22:09	5000
1,1,2-Trichloroethane	ND		5000	1200	ug/L			10/30/24 22:09	5000
Tetrachloroethene	ND		5000	1800	ug/L			10/30/24 22:09	5000
2-Hexanone	ND		25000	6200	ug/L			10/30/24 22:09	5000
Dibromochloromethane	ND		5000	1600	ug/L			10/30/24 22:09	5000
Chlorobenzene	ND		5000	3800	ug/L			10/30/24 22:09	5000
Ethylbenzene	ND		5000	3700	ug/L			10/30/24 22:09	5000
m,p-Xylene	ND		10000	3300	ug/L			10/30/24 22:09	5000
o-Xylene	ND		5000	3800	ug/L			10/30/24 22:09	5000
Styrene	ND		5000	3700	ug/L			10/30/24 22:09	5000
Bromoform	ND		5000	1300	ug/L			10/30/24 22:09	5000
1,1,2,2-Tetrachloroethane	ND		5000	1100	ug/L			10/30/24 22:09	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/30/24 22:09*	*5000*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/30/24 22:09*	*5000*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*10/30/24 22:09*	*5000*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/30/24 22:09*	*5000*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**680**		88	22	ug/L			10/30/24 08:56	22
Ethane	**860**		170	33	ug/L			10/30/24 08:56	22
Ethene	**1700**		150	33	ug/L			10/30/24 08:56	22

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 17-04(1)
Lab Sample ID: 480-224877-8
Date Collected: 10/24/24 12:20
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	41.6	B	40.0	7.0	mg/L			11/01/24 19:43	20
Total Organic Carbon (SM 5310C)	379		20.0	8.7	mg/L			11/01/24 03:03	20

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DW-9
Lab Sample ID: 480-224877-9
Date Collected: 10/24/24 16:10
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/30/24 22:31	1
Vinyl chloride	**85**		1.0	0.90	ug/L			10/30/24 22:31	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/24 22:31	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/24 22:31	1
1,1-Dichloroethene	**0.64**	**J**	1.0	0.29	ug/L			10/30/24 22:31	1
Acetone	ND		10	3.0	ug/L			10/30/24 22:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/24 22:31	1
Methylene Chloride	**12**		1.0	0.44	ug/L			10/30/24 22:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/24 22:31	1
1,1-Dichloroethane	**2.2**		1.0	0.38	ug/L			10/30/24 22:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/24 22:31	1
Chloroform	ND		1.0	0.34	ug/L			10/30/24 22:31	1
1,1,1-Trichloroethane	**1.9**		1.0	0.82	ug/L			10/30/24 22:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/24 22:31	1
Benzene	ND		1.0	0.41	ug/L			10/30/24 22:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/24 22:31	1
Trichloroethene	**19**		1.0	0.46	ug/L			10/30/24 22:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/24 22:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/24 22:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/24 22:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/24 22:31	1
Toluene	ND		1.0	0.51	ug/L			10/30/24 22:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/24 22:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/24 22:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/24 22:31	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/24 22:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/24 22:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/24 22:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/24 22:31	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/30/24 22:31	1
o-Xylene	ND		1.0	0.76	ug/L			10/30/24 22:31	1
Styrene	ND		1.0	0.73	ug/L			10/30/24 22:31	1
Bromoform	ND		1.0	0.26	ug/L			10/30/24 22:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/24 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*10/30/24 22:31*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/30/24 22:31*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*10/30/24 22:31*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/30/24 22:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**240**		5.0	4.1	ug/L			10/31/24 14:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/31/24 14:40*	*5*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/31/24 14:40*	*5*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/31/24 14:40*	*5*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/31/24 14:40*	*5*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DW-9
Lab Sample ID: 480-224877-9

Date Collected: 10/24/24 16:10
Matrix: Water
Date Received: 10/25/24 16:25

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**220**		4.0	1.0	ug/L			10/30/24 09:15	1
Ethane	ND		7.5	1.5	ug/L			10/30/24 09:15	1
Ethene	**32**		7.0	1.5	ug/L			10/30/24 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	**98.4**	**B**	4.0	0.70	mg/L			11/01/24 19:57	2
Total Organic Carbon (SM 5310C)	**2.1**		1.0	0.43	mg/L			11/01/24 07:49	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: B-10A(1)
Date Collected: 10/24/24 16:25
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		400	140	ug/L			10/30/24 22:54	400
Vinyl chloride	**9400**		400	360	ug/L			10/30/24 22:54	400
Chloroethane	ND		400	130	ug/L			10/30/24 22:54	400
Bromomethane	ND		400	280	ug/L			10/30/24 22:54	400
1,1-Dichloroethene	ND		400	120	ug/L			10/30/24 22:54	400
Acetone	ND		4000	1200	ug/L			10/30/24 22:54	400
Carbon disulfide	ND		400	76	ug/L			10/30/24 22:54	400
Methylene Chloride	**300**	**J**	400	180	ug/L			10/30/24 22:54	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			10/30/24 22:54	400
1,1-Dichloroethane	**150**	**J**	400	150	ug/L			10/30/24 22:54	400
cis-1,2-Dichloroethene	**5900**		400	320	ug/L			10/30/24 22:54	400
2-Butanone (MEK)	ND		4000	530	ug/L			10/30/24 22:54	400
Chloroform	ND		400	140	ug/L			10/30/24 22:54	400
1,1,1-Trichloroethane	ND		400	330	ug/L			10/30/24 22:54	400
Carbon tetrachloride	ND		400	110	ug/L			10/30/24 22:54	400
Benzene	ND		400	160	ug/L			10/30/24 22:54	400
1,2-Dichloroethane	ND		400	84	ug/L			10/30/24 22:54	400
Trichloroethene	ND		400	180	ug/L			10/30/24 22:54	400
1,2-Dichloropropane	ND		400	290	ug/L			10/30/24 22:54	400
Bromodichloromethane	ND		400	160	ug/L			10/30/24 22:54	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			10/30/24 22:54	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			10/30/24 22:54	400
Toluene	ND		400	200	ug/L			10/30/24 22:54	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			10/30/24 22:54	400
1,1,2-Trichloroethane	ND		400	92	ug/L			10/30/24 22:54	400
Tetrachloroethene	ND		400	140	ug/L			10/30/24 22:54	400
2-Hexanone	ND		2000	500	ug/L			10/30/24 22:54	400
Dibromochloromethane	ND		400	130	ug/L			10/30/24 22:54	400
Chlorobenzene	ND		400	300	ug/L			10/30/24 22:54	400
Ethylbenzene	ND		400	300	ug/L			10/30/24 22:54	400
m,p-Xylene	ND		800	260	ug/L			10/30/24 22:54	400
o-Xylene	ND		400	300	ug/L			10/30/24 22:54	400
Styrene	ND		400	290	ug/L			10/30/24 22:54	400
Bromoform	ND		400	100	ug/L			10/30/24 22:54	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			10/30/24 22:54	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/30/24 22:54*	*400*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/30/24 22:54*	*400*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*10/30/24 22:54*	*400*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/30/24 22:54*	*400*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**8300**		440	110	ug/L			10/29/24 14:05	110
Ethane	ND		830	170	ug/L			10/29/24 14:05	110
Ethene	**2800**		770	170	ug/L			10/29/24 14:05	110

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: B-10A(1)
Lab Sample ID: 480-224877-10
Date Collected: 10/24/24 16:25
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	188	B	10.0	1.7	mg/L			11/01/24 20:12	5
Total Organic Carbon (SM 5310C)	4.2		1.0	0.43	mg/L			11/01/24 08:17	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DUP-02
Lab Sample ID: 480-224877-11

Date Collected: 10/24/24 00:00
Matrix: Water

Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		100	35	ug/L			10/31/24 15:30	100
Vinyl chloride	**2100**		100	90	ug/L			10/31/24 15:30	100
Chloroethane	ND		100	32	ug/L			10/31/24 15:30	100
Bromomethane	ND		100	69	ug/L			10/31/24 15:30	100
1,1-Dichloroethene	ND		100	29	ug/L			10/31/24 15:30	100
Acetone	ND		1000	300	ug/L			10/31/24 15:30	100
Carbon disulfide	ND		100	19	ug/L			10/31/24 15:30	100
Methylene Chloride	**47**	**J**	100	44	ug/L			10/31/24 15:30	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			10/31/24 15:30	100
1,1-Dichloroethane	ND		100	38	ug/L			10/31/24 15:30	100
cis-1,2-Dichloroethene	**1100**		100	81	ug/L			10/31/24 15:30	100
2-Butanone (MEK)	ND		1000	130	ug/L			10/31/24 15:30	100
Chloroform	ND		100	34	ug/L			10/31/24 15:30	100
1,1,1-Trichloroethane	ND		100	82	ug/L			10/31/24 15:30	100
Carbon tetrachloride	ND		100	27	ug/L			10/31/24 15:30	100
Benzene	ND		100	41	ug/L			10/31/24 15:30	100
1,2-Dichloroethane	ND		100	21	ug/L			10/31/24 15:30	100
Trichloroethene	ND		100	46	ug/L			10/31/24 15:30	100
1,2-Dichloropropane	ND		100	72	ug/L			10/31/24 15:30	100
Bromodichloromethane	ND		100	39	ug/L			10/31/24 15:30	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			10/31/24 15:30	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			10/31/24 15:30	100
Toluene	ND		100	51	ug/L			10/31/24 15:30	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			10/31/24 15:30	100
1,1,2-Trichloroethane	ND		100	23	ug/L			10/31/24 15:30	100
Tetrachloroethene	ND		100	36	ug/L			10/31/24 15:30	100
2-Hexanone	ND		500	120	ug/L			10/31/24 15:30	100
Dibromochloromethane	ND		100	32	ug/L			10/31/24 15:30	100
Chlorobenzene	ND		100	75	ug/L			10/31/24 15:30	100
Ethylbenzene	ND		100	74	ug/L			10/31/24 15:30	100
m,p-Xylene	ND		200	66	ug/L			10/31/24 15:30	100
o-Xylene	ND		100	76	ug/L			10/31/24 15:30	100
Styrene	ND		100	73	ug/L			10/31/24 15:30	100
Bromoform	ND		100	26	ug/L			10/31/24 15:30	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			10/31/24 15:30	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/31/24 15:30*	*100*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/31/24 15:30*	*100*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/31/24 15:30*	*100*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/31/24 15:30*	*100*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-19(1)HS
Lab Sample ID: 480-224877-12
Date Collected: 10/24/24 13:25
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/31/24 15:52	1
Vinyl chloride	**2.1**		1.0	0.90	ug/L			10/31/24 15:52	1
Chloroethane	ND		1.0	0.32	ug/L			10/31/24 15:52	1
Bromomethane	ND		1.0	0.69	ug/L			10/31/24 15:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/31/24 15:52	1
Acetone	ND		10	3.0	ug/L			10/31/24 15:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/31/24 15:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/31/24 15:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/31/24 15:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/31/24 15:52	1
cis-1,2-Dichloroethene	**2.9**		1.0	0.81	ug/L			10/31/24 15:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/31/24 15:52	1
Chloroform	ND		1.0	0.34	ug/L			10/31/24 15:52	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/31/24 15:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/31/24 15:52	1
Benzene	ND		1.0	0.41	ug/L			10/31/24 15:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/31/24 15:52	1
Trichloroethene	ND		1.0	0.46	ug/L			10/31/24 15:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/31/24 15:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/31/24 15:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/31/24 15:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/31/24 15:52	1
Toluene	ND		1.0	0.51	ug/L			10/31/24 15:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/31/24 15:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/31/24 15:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/31/24 15:52	1
2-Hexanone	ND		5.0	1.2	ug/L			10/31/24 15:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/31/24 15:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/31/24 15:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/31/24 15:52	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/31/24 15:52	1
o-Xylene	ND		1.0	0.76	ug/L			10/31/24 15:52	1
Styrene	ND		1.0	0.73	ug/L			10/31/24 15:52	1
Bromoform	ND		1.0	0.26	ug/L			10/31/24 15:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/31/24 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/31/24 15:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/31/24 15:52*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/31/24 15:52*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/31/24 15:52*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-19(1)
Date Collected: 10/24/24 14:20
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/30/24 23:16	1
Vinyl chloride	**1.9**		1.0	0.90	ug/L			10/30/24 23:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/24 23:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/24 23:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/24 23:16	1
Acetone	ND		10	3.0	ug/L			10/30/24 23:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/24 23:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/24 23:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/24 23:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/24 23:16	1
cis-1,2-Dichloroethene	**3.1**		1.0	0.81	ug/L			10/30/24 23:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/24 23:16	1
Chloroform	ND		1.0	0.34	ug/L			10/30/24 23:16	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/24 23:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/24 23:16	1
Benzene	ND		1.0	0.41	ug/L			10/30/24 23:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/24 23:16	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/24 23:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/24 23:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/24 23:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/24 23:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/24 23:16	1
Toluene	ND		1.0	0.51	ug/L			10/30/24 23:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/24 23:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/24 23:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/24 23:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/24 23:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/24 23:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/24 23:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/24 23:16	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/30/24 23:16	1
o-Xylene	ND		1.0	0.76	ug/L			10/30/24 23:16	1
Styrene	ND		1.0	0.73	ug/L			10/30/24 23:16	1
Bromoform	ND		1.0	0.26	ug/L			10/30/24 23:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/24 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/30/24 23:16*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/30/24 23:16*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*10/30/24 23:16*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/30/24 23:16*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: FB-2
Lab Sample ID: 480-224877-16

Date Collected: 10/25/24 07:35
Matrix: Water

Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/31/24 16:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/31/24 16:15	1
Chloroethane	ND		1.0	0.32	ug/L			10/31/24 16:15	1
Bromomethane	ND		1.0	0.69	ug/L			10/31/24 16:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/31/24 16:15	1
Acetone	ND		10	3.0	ug/L			10/31/24 16:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/31/24 16:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/31/24 16:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/31/24 16:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/31/24 16:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/31/24 16:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/31/24 16:15	1
Chloroform	ND		1.0	0.34	ug/L			10/31/24 16:15	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/31/24 16:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/31/24 16:15	1
Benzene	ND		1.0	0.41	ug/L			10/31/24 16:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/31/24 16:15	1
Trichloroethene	ND		1.0	0.46	ug/L			10/31/24 16:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/31/24 16:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/31/24 16:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/31/24 16:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/31/24 16:15	1
Toluene	ND		1.0	0.51	ug/L			10/31/24 16:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/31/24 16:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/31/24 16:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/31/24 16:15	1
2-Hexanone	ND		5.0	1.2	ug/L			10/31/24 16:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/31/24 16:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/31/24 16:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/31/24 16:15	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/31/24 16:15	1
o-Xylene	ND		1.0	0.76	ug/L			10/31/24 16:15	1
Styrene	ND		1.0	0.73	ug/L			10/31/24 16:15	1
Bromoform	ND		1.0	0.26	ug/L			10/31/24 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/31/24 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*10/31/24 16:15*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/31/24 16:15*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*10/31/24 16:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/31/24 16:15*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-14(1)
Date Collected: 10/25/24 10:40
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		400	140	ug/L			10/31/24 16:37	400
Vinyl chloride	**820**		400	360	ug/L			10/31/24 16:37	400
Chloroethane	ND		400	130	ug/L			10/31/24 16:37	400
Bromomethane	ND		400	280	ug/L			10/31/24 16:37	400
1,1-Dichloroethene	ND		400	120	ug/L			10/31/24 16:37	400
Acetone	ND		4000	1200	ug/L			10/31/24 16:37	400
Carbon disulfide	**190**	**J**	400	76	ug/L			10/31/24 16:37	400
Methylene Chloride	**310**	**J**	400	180	ug/L			10/31/24 16:37	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			10/31/24 16:37	400
1,1-Dichloroethane	**920**		400	150	ug/L			10/31/24 16:37	400
cis-1,2-Dichloroethene	ND		400	320	ug/L			10/31/24 16:37	400
2-Butanone (MEK)	ND		4000	530	ug/L			10/31/24 16:37	400
Chloroform	ND		400	140	ug/L			10/31/24 16:37	400
1,1,1-Trichloroethane	ND		400	330	ug/L			10/31/24 16:37	400
Carbon tetrachloride	ND		400	110	ug/L			10/31/24 16:37	400
Benzene	ND		400	160	ug/L			10/31/24 16:37	400
1,2-Dichloroethane	ND		400	84	ug/L			10/31/24 16:37	400
Trichloroethene	ND		400	180	ug/L			10/31/24 16:37	400
1,2-Dichloropropane	ND		400	290	ug/L			10/31/24 16:37	400
Bromodichloromethane	ND		400	160	ug/L			10/31/24 16:37	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			10/31/24 16:37	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			10/31/24 16:37	400
Toluene	ND		400	200	ug/L			10/31/24 16:37	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			10/31/24 16:37	400
1,1,2-Trichloroethane	ND		400	92	ug/L			10/31/24 16:37	400
Tetrachloroethene	ND		400	140	ug/L			10/31/24 16:37	400
2-Hexanone	ND		2000	500	ug/L			10/31/24 16:37	400
Dibromochloromethane	ND		400	130	ug/L			10/31/24 16:37	400
Chlorobenzene	ND		400	300	ug/L			10/31/24 16:37	400
Ethylbenzene	ND		400	300	ug/L			10/31/24 16:37	400
m,p-Xylene	ND		800	260	ug/L			10/31/24 16:37	400
o-Xylene	ND		400	300	ug/L			10/31/24 16:37	400
Styrene	ND		400	290	ug/L			10/31/24 16:37	400
Bromoform	ND		400	100	ug/L			10/31/24 16:37	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			10/31/24 16:37	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/31/24 16:37*	*400*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/31/24 16:37*	*400*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/31/24 16:37*	*400*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/31/24 16:37*	*400*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5600**		440	110	ug/L			10/29/24 14:43	110
Ethane	**1200**		830	170	ug/L			10/29/24 14:43	110
Ethene	**5100**		770	170	ug/L			10/29/24 14:43	110

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-14(1)
Lab Sample ID: 480-224877-17
Date Collected: 10/25/24 10:40
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	ND		20.0	3.5	mg/L			11/01/24 20:27	10
Total Organic Carbon (SM 5310C)	**1590**		20.0	8.7	mg/L			11/02/24 18:36	20

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-13(1)
Date Collected: 10/25/24 11:20
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		100	35	ug/L			10/31/24 17:00	100
Vinyl chloride	ND		100	90	ug/L			10/31/24 17:00	100
Chloroethane	**59**	**J**	100	32	ug/L			10/31/24 17:00	100
Bromomethane	ND		100	69	ug/L			10/31/24 17:00	100
1,1-Dichloroethene	**58**	**J**	100	29	ug/L			10/31/24 17:00	100
Acetone	ND		1000	300	ug/L			10/31/24 17:00	100
Carbon disulfide	ND		100	19	ug/L			10/31/24 17:00	100
Methylene Chloride	**8300**		100	44	ug/L			10/31/24 17:00	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			10/31/24 17:00	100
1,1-Dichloroethane	**53**	**J**	100	38	ug/L			10/31/24 17:00	100
cis-1,2-Dichloroethene	**290**		100	81	ug/L			10/31/24 17:00	100
2-Butanone (MEK)	ND		1000	130	ug/L			10/31/24 17:00	100
Chloroform	ND		100	34	ug/L			10/31/24 17:00	100
1,1,1-Trichloroethane	ND		100	82	ug/L			10/31/24 17:00	100
Carbon tetrachloride	ND		100	27	ug/L			10/31/24 17:00	100
Benzene	ND		100	41	ug/L			10/31/24 17:00	100
1,2-Dichloroethane	ND		100	21	ug/L			10/31/24 17:00	100
Trichloroethene	**270**		100	46	ug/L			10/31/24 17:00	100
1,2-Dichloropropane	ND		100	72	ug/L			10/31/24 17:00	100
Bromodichloromethane	ND		100	39	ug/L			10/31/24 17:00	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			10/31/24 17:00	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			10/31/24 17:00	100
Toluene	ND		100	51	ug/L			10/31/24 17:00	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			10/31/24 17:00	100
1,1,2-Trichloroethane	ND		100	23	ug/L			10/31/24 17:00	100
Tetrachloroethene	ND		100	36	ug/L			10/31/24 17:00	100
2-Hexanone	ND		500	120	ug/L			10/31/24 17:00	100
Dibromochloromethane	ND		100	32	ug/L			10/31/24 17:00	100
Chlorobenzene	ND		100	75	ug/L			10/31/24 17:00	100
Ethylbenzene	ND		100	74	ug/L			10/31/24 17:00	100
m,p-Xylene	ND		200	66	ug/L			10/31/24 17:00	100
o-Xylene	ND		100	76	ug/L			10/31/24 17:00	100
Styrene	ND		100	73	ug/L			10/31/24 17:00	100
Bromoform	ND		100	26	ug/L			10/31/24 17:00	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			10/31/24 17:00	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/31/24 17:00*	*100*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/31/24 17:00*	*100*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/31/24 17:00*	*100*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/31/24 17:00*	*100*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1800**		440	110	ug/L			10/29/24 15:02	110
Ethane	**990**		830	170	ug/L			10/29/24 15:02	110
Ethene	**1600**		770	170	ug/L			10/29/24 15:02	110

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-13(1)
Lab Sample ID: 480-224877-18
Date Collected: 10/25/24 11:20
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	6.6	J B	10.0	1.7	mg/L			11/01/24 20:41	5
Total Organic Carbon (SM 5310C)	138		2.0	0.87	mg/L			11/03/24 17:49	2

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-14(0)
Lab Sample ID: 480-224877-19
Date Collected: 10/25/24 11:40
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			10/31/24 17:22	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/31/24 17:22	2
Chloroethane	ND		2.0	0.64	ug/L			10/31/24 17:22	2
Bromomethane	ND		2.0	1.4	ug/L			10/31/24 17:22	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/31/24 17:22	2
Acetone	ND		20	6.0	ug/L			10/31/24 17:22	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/31/24 17:22	2
Methylene Chloride	**1.8**	**J**	2.0	0.88	ug/L			10/31/24 17:22	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/31/24 17:22	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/31/24 17:22	2
cis-1,2-Dichloroethene	**8.1**		2.0	1.6	ug/L			10/31/24 17:22	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/31/24 17:22	2
Chloroform	ND		2.0	0.68	ug/L			10/31/24 17:22	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/31/24 17:22	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/31/24 17:22	2
Benzene	ND		2.0	0.82	ug/L			10/31/24 17:22	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/31/24 17:22	2
Trichloroethene	**100**		2.0	0.92	ug/L			10/31/24 17:22	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/31/24 17:22	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/31/24 17:22	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/31/24 17:22	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/31/24 17:22	2
Toluene	ND		2.0	1.0	ug/L			10/31/24 17:22	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/31/24 17:22	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/31/24 17:22	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/31/24 17:22	2
2-Hexanone	ND		10	2.5	ug/L			10/31/24 17:22	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/31/24 17:22	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/31/24 17:22	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/31/24 17:22	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/31/24 17:22	2
o-Xylene	ND		2.0	1.5	ug/L			10/31/24 17:22	2
Styrene	ND		2.0	1.5	ug/L			10/31/24 17:22	2
Bromoform	ND		2.0	0.52	ug/L			10/31/24 17:22	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/31/24 17:22	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/31/24 17:22*	*2*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/31/24 17:22*	*2*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*10/31/24 17:22*	*2*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/31/24 17:22*	*2*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-17(1)HS
Lab Sample ID: 480-224877-20
Date Collected: 10/25/24 12:50
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			10/31/24 17:44	2
Vinyl chloride	**150**		2.0	1.8	ug/L			10/31/24 17:44	2
Chloroethane	ND		2.0	0.64	ug/L			10/31/24 17:44	2
Bromomethane	ND		2.0	1.4	ug/L			10/31/24 17:44	2
1,1-Dichloroethene	**0.89**	**J**	2.0	0.58	ug/L			10/31/24 17:44	2
Acetone	ND		20	6.0	ug/L			10/31/24 17:44	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/31/24 17:44	2
Methylene Chloride	**1.7**	**J**	2.0	0.88	ug/L			10/31/24 17:44	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/31/24 17:44	2
1,1-Dichloroethane	**11**		2.0	0.76	ug/L			10/31/24 17:44	2
cis-1,2-Dichloroethene	**84**		2.0	1.6	ug/L			10/31/24 17:44	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/31/24 17:44	2
Chloroform	ND		2.0	0.68	ug/L			10/31/24 17:44	2
1,1,1-Trichloroethane	**29**		2.0	1.6	ug/L			10/31/24 17:44	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/31/24 17:44	2
Benzene	ND		2.0	0.82	ug/L			10/31/24 17:44	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/31/24 17:44	2
Trichloroethene	**1.7**	**J**	2.0	0.92	ug/L			10/31/24 17:44	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/31/24 17:44	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/31/24 17:44	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/31/24 17:44	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/31/24 17:44	2
Toluene	ND		2.0	1.0	ug/L			10/31/24 17:44	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/31/24 17:44	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/31/24 17:44	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/31/24 17:44	2
2-Hexanone	ND		10	2.5	ug/L			10/31/24 17:44	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/31/24 17:44	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/31/24 17:44	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/31/24 17:44	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/31/24 17:44	2
o-Xylene	ND		2.0	1.5	ug/L			10/31/24 17:44	2
Styrene	ND		2.0	1.5	ug/L			10/31/24 17:44	2
Bromoform	ND		2.0	0.52	ug/L			10/31/24 17:44	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/31/24 17:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/31/24 17:44*	*2*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/31/24 17:44*	*2*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/31/24 17:44*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/31/24 17:44*	*2*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-17(1)
Lab Sample ID: 480-224877-21
Date Collected: 10/25/24 13:45
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.0	1.4	ug/L			11/01/24 18:50	4
Vinyl chloride	**150**		4.0	3.6	ug/L			11/01/24 18:50	4
Chloroethane	ND		4.0	1.3	ug/L			11/01/24 18:50	4
Bromomethane	ND		4.0	2.8	ug/L			11/01/24 18:50	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/01/24 18:50	4
Acetone	ND		40	12	ug/L			11/01/24 18:50	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/01/24 18:50	4
Methylene Chloride	**4.2**		4.0	1.8	ug/L			11/01/24 18:50	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/01/24 18:50	4
1,1-Dichloroethane	**11**		4.0	1.5	ug/L			11/01/24 18:50	4
cis-1,2-Dichloroethene	**83**		4.0	3.2	ug/L			11/01/24 18:50	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/01/24 18:50	4
Chloroform	ND		4.0	1.4	ug/L			11/01/24 18:50	4
1,1,1-Trichloroethane	**30**		4.0	3.3	ug/L			11/01/24 18:50	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/01/24 18:50	4
Benzene	ND		4.0	1.6	ug/L			11/01/24 18:50	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/01/24 18:50	4
Trichloroethene	ND		4.0	1.8	ug/L			11/01/24 18:50	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/01/24 18:50	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/01/24 18:50	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/01/24 18:50	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/01/24 18:50	4
Toluene	ND		4.0	2.0	ug/L			11/01/24 18:50	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/01/24 18:50	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/01/24 18:50	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/01/24 18:50	4
2-Hexanone	ND		20	5.0	ug/L			11/01/24 18:50	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/01/24 18:50	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/01/24 18:50	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/01/24 18:50	4
m,p-Xylene	ND		8.0	2.6	ug/L			11/01/24 18:50	4
o-Xylene	ND		4.0	3.0	ug/L			11/01/24 18:50	4
Styrene	ND		4.0	2.9	ug/L			11/01/24 18:50	4
Bromoform	ND		4.0	1.0	ug/L			11/01/24 18:50	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/01/24 18:50	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*11/01/24 18:50*	*4*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*11/01/24 18:50*	*4*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*11/01/24 18:50*	*4*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/01/24 18:50*	*4*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK-02
Lab Sample ID: 480-224877-22

Date Collected: 10/09/24 00:00
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	H H3	1.0	0.35	ug/L			10/28/24 13:27	1
Vinyl chloride	ND	H H3	1.0	0.90	ug/L			10/28/24 13:27	1
Chloroethane	ND	H H3	1.0	0.32	ug/L			10/28/24 13:27	1
Bromomethane	ND	H H3	1.0	0.69	ug/L			10/28/24 13:27	1
1,1-Dichloroethene	ND	H H3	1.0	0.29	ug/L			10/28/24 13:27	1
Acetone	ND	H H3	10	3.0	ug/L			10/28/24 13:27	1
Carbon disulfide	ND	H H3	1.0	0.19	ug/L			10/28/24 13:27	1
Methylene Chloride	ND	H H3	1.0	0.44	ug/L			10/28/24 13:27	1
trans-1,2-Dichloroethene	ND	H H3	1.0	0.90	ug/L			10/28/24 13:27	1
1,1-Dichloroethane	ND	H H3	1.0	0.38	ug/L			10/28/24 13:27	1
cis-1,2-Dichloroethene	ND	H H3	1.0	0.81	ug/L			10/28/24 13:27	1
2-Butanone (MEK)	ND	H H3	10	1.3	ug/L			10/28/24 13:27	1
Chloroform	**0.34**	**J H H3**	1.0	0.34	ug/L			10/28/24 13:27	1
1,1,1-Trichloroethane	ND	H H3	1.0	0.82	ug/L			10/28/24 13:27	1
Carbon tetrachloride	ND	H H3	1.0	0.27	ug/L			10/28/24 13:27	1
Benzene	ND	H H3	1.0	0.41	ug/L			10/28/24 13:27	1
1,2-Dichloroethane	ND	H H3	1.0	0.21	ug/L			10/28/24 13:27	1
Trichloroethene	ND	H H3	1.0	0.46	ug/L			10/28/24 13:27	1
1,2-Dichloropropane	ND	H H3	1.0	0.72	ug/L			10/28/24 13:27	1
Bromodichloromethane	ND	H H3	1.0	0.39	ug/L			10/28/24 13:27	1
cis-1,3-Dichloropropene	ND	H H3	1.0	0.36	ug/L			10/28/24 13:27	1
4-Methyl-2-pentanone (MIBK)	ND	H H3	5.0	2.1	ug/L			10/28/24 13:27	1
Toluene	ND	H H3	1.0	0.51	ug/L			10/28/24 13:27	1
trans-1,3-Dichloropropene	ND	H H3	1.0	0.37	ug/L			10/28/24 13:27	1
1,1,2-Trichloroethane	ND	H H3	1.0	0.23	ug/L			10/28/24 13:27	1
Tetrachloroethene	ND	H H3	1.0	0.36	ug/L			10/28/24 13:27	1
2-Hexanone	ND	H H3	5.0	1.2	ug/L			10/28/24 13:27	1
Dibromochloromethane	ND	H H3	1.0	0.32	ug/L			10/28/24 13:27	1
Chlorobenzene	ND	H H3	1.0	0.75	ug/L			10/28/24 13:27	1
Ethylbenzene	ND	H H3	1.0	0.74	ug/L			10/28/24 13:27	1
m,p-Xylene	ND	H H3	2.0	0.66	ug/L			10/28/24 13:27	1
o-Xylene	ND	H H3	1.0	0.76	ug/L			10/28/24 13:27	1
Styrene	ND	H H3	1.0	0.73	ug/L			10/28/24 13:27	1
Bromoform	ND	H H3	1.0	0.26	ug/L			10/28/24 13:27	1
1,1,2,2-Tetrachloroethane	ND	H H3	1.0	0.21	ug/L			10/28/24 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/28/24 13:27*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*10/28/24 13:27*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/28/24 13:27*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/28/24 13:27*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-16(1)
Lab Sample ID: 480-224877-23
Date Collected: 10/25/24 12:20
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		8000	2800	ug/L			10/31/24 18:29	8000
Vinyl chloride	ND		8000	7200	ug/L			10/31/24 18:29	8000
Chloroethane	ND		8000	2600	ug/L			10/31/24 18:29	8000
Bromomethane	ND		8000	5500	ug/L			10/31/24 18:29	8000
1,1-Dichloroethene	ND		8000	2300	ug/L			10/31/24 18:29	8000
Acetone	ND		80000	24000	ug/L			10/31/24 18:29	8000
Carbon disulfide	ND		8000	1500	ug/L			10/31/24 18:29	8000
Methylene Chloride	**670000**		8000	3500	ug/L			10/31/24 18:29	8000
trans-1,2-Dichloroethene	ND		8000	7200	ug/L			10/31/24 18:29	8000
1,1-Dichloroethane	ND		8000	3000	ug/L			10/31/24 18:29	8000
cis-1,2-Dichloroethene	**110000**		8000	6500	ug/L			10/31/24 18:29	8000
2-Butanone (MEK)	ND		80000	11000	ug/L			10/31/24 18:29	8000
Chloroform	ND		8000	2700	ug/L			10/31/24 18:29	8000
1,1,1-Trichloroethane	ND		8000	6600	ug/L			10/31/24 18:29	8000
Carbon tetrachloride	ND		8000	2200	ug/L			10/31/24 18:29	8000
Benzene	ND		8000	3300	ug/L			10/31/24 18:29	8000
1,2-Dichloroethane	ND		8000	1700	ug/L			10/31/24 18:29	8000
Trichloroethene	**310000**		8000	3700	ug/L			10/31/24 18:29	8000
1,2-Dichloropropane	ND		8000	5800	ug/L			10/31/24 18:29	8000
Bromodichloromethane	ND		8000	3100	ug/L			10/31/24 18:29	8000
cis-1,3-Dichloropropene	ND		8000	2900	ug/L			10/31/24 18:29	8000
4-Methyl-2-pentanone (MIBK)	ND		40000	17000	ug/L			10/31/24 18:29	8000
Toluene	ND		8000	4100	ug/L			10/31/24 18:29	8000
trans-1,3-Dichloropropene	ND		8000	3000	ug/L			10/31/24 18:29	8000
1,1,2-Trichloroethane	ND		8000	1800	ug/L			10/31/24 18:29	8000
Tetrachloroethene	ND		8000	2900	ug/L			10/31/24 18:29	8000
2-Hexanone	ND		40000	9900	ug/L			10/31/24 18:29	8000
Dibromochloromethane	ND		8000	2600	ug/L			10/31/24 18:29	8000
Chlorobenzene	ND		8000	6000	ug/L			10/31/24 18:29	8000
Ethylbenzene	ND		8000	5900	ug/L			10/31/24 18:29	8000
m,p-Xylene	ND		16000	5300	ug/L			10/31/24 18:29	8000
o-Xylene	ND		8000	6100	ug/L			10/31/24 18:29	8000
Styrene	ND		8000	5800	ug/L			10/31/24 18:29	8000
Bromoform	ND		8000	2100	ug/L			10/31/24 18:29	8000
1,1,2,2-Tetrachloroethane	ND		8000	1700	ug/L			10/31/24 18:29	8000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/31/24 18:29*	*8000*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/31/24 18:29*	*8000*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/31/24 18:29*	*8000*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/31/24 18:29*	*8000*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**590**		44	11	ug/L			10/30/24 09:34	11
Ethane	**130**		83	17	ug/L			10/30/24 09:34	11
Ethene	**520**		77	17	ug/L			10/30/24 09:34	11

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-16(1)
Lab Sample ID: 480-224877-23
Date Collected: 10/25/24 12:20
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	148		20.0	3.5	mg/L			11/04/24 04:04	10
Total Organic Carbon (SM 5310C)	9.6		1.0	0.43	mg/L			10/31/24 21:02	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-13(3)
Date Collected: 10/25/24 13:10
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-24
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		200	70	ug/L			10/31/24 18:52	200
Vinyl chloride	**4300**		200	180	ug/L			10/31/24 18:52	200
Chloroethane	ND		200	64	ug/L			10/31/24 18:52	200
Bromomethane	ND		200	140	ug/L			10/31/24 18:52	200
1,1-Dichloroethene	ND		200	58	ug/L			10/31/24 18:52	200
Acetone	ND		2000	600	ug/L			10/31/24 18:52	200
Carbon disulfide	ND		200	38	ug/L			10/31/24 18:52	200
Methylene Chloride	**150**	**J**	200	88	ug/L			10/31/24 18:52	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/31/24 18:52	200
1,1-Dichloroethane	ND		200	76	ug/L			10/31/24 18:52	200
cis-1,2-Dichloroethene	**9600**		200	160	ug/L			10/31/24 18:52	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/31/24 18:52	200
Chloroform	ND		200	68	ug/L			10/31/24 18:52	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/31/24 18:52	200
Carbon tetrachloride	ND		200	54	ug/L			10/31/24 18:52	200
Benzene	ND		200	82	ug/L			10/31/24 18:52	200
1,2-Dichloroethane	ND		200	42	ug/L			10/31/24 18:52	200
Trichloroethene	ND		200	92	ug/L			10/31/24 18:52	200
1,2-Dichloropropane	ND		200	140	ug/L			10/31/24 18:52	200
Bromodichloromethane	ND		200	78	ug/L			10/31/24 18:52	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/31/24 18:52	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/31/24 18:52	200
Toluene	ND		200	100	ug/L			10/31/24 18:52	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/31/24 18:52	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/31/24 18:52	200
Tetrachloroethene	ND		200	72	ug/L			10/31/24 18:52	200
2-Hexanone	ND		1000	250	ug/L			10/31/24 18:52	200
Dibromochloromethane	ND		200	64	ug/L			10/31/24 18:52	200
Chlorobenzene	ND		200	150	ug/L			10/31/24 18:52	200
Ethylbenzene	ND		200	150	ug/L			10/31/24 18:52	200
m,p-Xylene	ND		400	130	ug/L			10/31/24 18:52	200
o-Xylene	ND		200	150	ug/L			10/31/24 18:52	200
Styrene	ND		200	150	ug/L			10/31/24 18:52	200
Bromoform	ND		200	52	ug/L			10/31/24 18:52	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			10/31/24 18:52	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/31/24 18:52*	*200*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*10/31/24 18:52*	*200*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/31/24 18:52*	*200*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/31/24 18:52*	*200*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DW-10HS
Lab Sample ID: 480-224877-25

Date Collected: 10/25/24 13:35
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		400	140	ug/L			10/31/24 19:14	400
Vinyl chloride	ND		400	360	ug/L			10/31/24 19:14	400
Chloroethane	ND		400	130	ug/L			10/31/24 19:14	400
Bromomethane	ND		400	280	ug/L			10/31/24 19:14	400
1,1-Dichloroethene	ND		400	120	ug/L			10/31/24 19:14	400
Acetone	ND		4000	1200	ug/L			10/31/24 19:14	400
Carbon disulfide	ND		400	76	ug/L			10/31/24 19:14	400
Methylene Chloride	**21000**		400	180	ug/L			10/31/24 19:14	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			10/31/24 19:14	400
1,1-Dichloroethane	ND		400	150	ug/L			10/31/24 19:14	400
cis-1,2-Dichloroethene	**1600**		400	320	ug/L			10/31/24 19:14	400
2-Butanone (MEK)	ND		4000	530	ug/L			10/31/24 19:14	400
Chloroform	ND		400	140	ug/L			10/31/24 19:14	400
1,1,1-Trichloroethane	ND		400	330	ug/L			10/31/24 19:14	400
Carbon tetrachloride	ND		400	110	ug/L			10/31/24 19:14	400
Benzene	ND		400	160	ug/L			10/31/24 19:14	400
1,2-Dichloroethane	ND		400	84	ug/L			10/31/24 19:14	400
Trichloroethene	**430**		400	180	ug/L			10/31/24 19:14	400
1,2-Dichloropropane	ND		400	290	ug/L			10/31/24 19:14	400
Bromodichloromethane	ND		400	160	ug/L			10/31/24 19:14	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			10/31/24 19:14	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			10/31/24 19:14	400
Toluene	ND		400	200	ug/L			10/31/24 19:14	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			10/31/24 19:14	400
1,1,2-Trichloroethane	ND		400	92	ug/L			10/31/24 19:14	400
Tetrachloroethene	ND		400	140	ug/L			10/31/24 19:14	400
2-Hexanone	ND		2000	500	ug/L			10/31/24 19:14	400
Dibromochloromethane	ND		400	130	ug/L			10/31/24 19:14	400
Chlorobenzene	ND		400	300	ug/L			10/31/24 19:14	400
Ethylbenzene	ND		400	300	ug/L			10/31/24 19:14	400
m,p-Xylene	ND		800	260	ug/L			10/31/24 19:14	400
o-Xylene	ND		400	300	ug/L			10/31/24 19:14	400
Styrene	ND		400	290	ug/L			10/31/24 19:14	400
Bromoform	ND		400	100	ug/L			10/31/24 19:14	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			10/31/24 19:14	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*10/31/24 19:14*	*400*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/31/24 19:14*	*400*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*10/31/24 19:14*	*400*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/31/24 19:14*	*400*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: DW-10
Lab Sample ID: 480-224877-26

Date Collected: 10/25/24 14:30
Matrix: Water
Date Received: 10/25/24 16:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		200	70	ug/L			10/31/24 19:36	200
Vinyl chloride	**210**		200	180	ug/L			10/31/24 19:36	200
Chloroethane	ND		200	64	ug/L			10/31/24 19:36	200
Bromomethane	ND		200	140	ug/L			10/31/24 19:36	200
1,1-Dichloroethene	ND		200	58	ug/L			10/31/24 19:36	200
Acetone	ND		2000	600	ug/L			10/31/24 19:36	200
Carbon disulfide	ND		200	38	ug/L			10/31/24 19:36	200
Methylene Chloride	**920**		200	88	ug/L			10/31/24 19:36	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/31/24 19:36	200
1,1-Dichloroethane	ND		200	76	ug/L			10/31/24 19:36	200
cis-1,2-Dichloroethene	**990**		200	160	ug/L			10/31/24 19:36	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/31/24 19:36	200
Chloroform	ND		200	68	ug/L			10/31/24 19:36	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/31/24 19:36	200
Carbon tetrachloride	ND		200	54	ug/L			10/31/24 19:36	200
Benzene	ND		200	82	ug/L			10/31/24 19:36	200
1,2-Dichloroethane	ND		200	42	ug/L			10/31/24 19:36	200
Trichloroethene	**180**	**J**	200	92	ug/L			10/31/24 19:36	200
1,2-Dichloropropane	ND		200	140	ug/L			10/31/24 19:36	200
Bromodichloromethane	ND		200	78	ug/L			10/31/24 19:36	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/31/24 19:36	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/31/24 19:36	200
Toluene	ND		200	100	ug/L			10/31/24 19:36	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/31/24 19:36	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/31/24 19:36	200
Tetrachloroethene	ND		200	72	ug/L			10/31/24 19:36	200
2-Hexanone	ND		1000	250	ug/L			10/31/24 19:36	200
Dibromochloromethane	ND		200	64	ug/L			10/31/24 19:36	200
Chlorobenzene	ND		200	150	ug/L			10/31/24 19:36	200
Ethylbenzene	ND		200	150	ug/L			10/31/24 19:36	200
m,p-Xylene	ND		400	130	ug/L			10/31/24 19:36	200
o-Xylene	ND		200	150	ug/L			10/31/24 19:36	200
Styrene	ND		200	150	ug/L			10/31/24 19:36	200
Bromoform	ND		200	52	ug/L			10/31/24 19:36	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			10/31/24 19:36	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/31/24 19:36*	*200*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/31/24 19:36*	*200*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/31/24 19:36*	*200*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/31/24 19:36*	*200*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 19-01(1)
Date Collected: 10/25/24 14:20
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-27
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	3.5	ug/L			10/31/24 19:59	10
Vinyl chloride	**870**		10	9.0	ug/L			10/31/24 19:59	10
Chloroethane	ND		10	3.2	ug/L			10/31/24 19:59	10
Bromomethane	ND		10	6.9	ug/L			10/31/24 19:59	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/31/24 19:59	10
Acetone	ND		100	30	ug/L			10/31/24 19:59	10
Carbon disulfide	ND		10	1.9	ug/L			10/31/24 19:59	10
Methylene Chloride	**790**		10	4.4	ug/L			10/31/24 19:59	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/31/24 19:59	10
1,1-Dichloroethane	**12**		10	3.8	ug/L			10/31/24 19:59	10
cis-1,2-Dichloroethene	**65**		10	8.1	ug/L			10/31/24 19:59	10
2-Butanone (MEK)	**150**		100	13	ug/L			10/31/24 19:59	10
Chloroform	ND		10	3.4	ug/L			10/31/24 19:59	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			10/31/24 19:59	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/31/24 19:59	10
Benzene	ND		10	4.1	ug/L			10/31/24 19:59	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/31/24 19:59	10
Trichloroethene	**35**		10	4.6	ug/L			10/31/24 19:59	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/31/24 19:59	10
Bromodichloromethane	ND		10	3.9	ug/L			10/31/24 19:59	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/31/24 19:59	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/31/24 19:59	10
Toluene	ND		10	5.1	ug/L			10/31/24 19:59	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/31/24 19:59	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/31/24 19:59	10
Tetrachloroethene	ND		10	3.6	ug/L			10/31/24 19:59	10
2-Hexanone	**38**	**J**	50	12	ug/L			10/31/24 19:59	10
Dibromochloromethane	ND		10	3.2	ug/L			10/31/24 19:59	10
Chlorobenzene	ND		10	7.5	ug/L			10/31/24 19:59	10
Ethylbenzene	ND		10	7.4	ug/L			10/31/24 19:59	10
m,p-Xylene	ND		20	6.6	ug/L			10/31/24 19:59	10
o-Xylene	ND		10	7.6	ug/L			10/31/24 19:59	10
Styrene	ND		10	7.3	ug/L			10/31/24 19:59	10
Bromoform	ND		10	2.6	ug/L			10/31/24 19:59	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/31/24 19:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/31/24 19:59*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/31/24 19:59*	*10*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/31/24 19:59*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/31/24 19:59*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2500**		440	110	ug/L			10/29/24 15:40	110
Ethane	**290**	**J**	830	170	ug/L			10/29/24 15:40	110
Ethene	ND		770	170	ug/L			10/29/24 15:40	110

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 19-01(1)
Lab Sample ID: 480-224877-27
Date Collected: 10/25/24 14:20
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	ND		40.0	7.0	mg/L			11/04/24 04:19	20
Total Organic Carbon (SM 5310C)	**4380**		100	43.4	mg/L			11/03/24 18:17	100

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-15(1)
Date Collected: 10/25/24 10:10
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		8.0	2.8	ug/L			10/31/24 20:21	8
Vinyl chloride	ND		8.0	7.2	ug/L			10/31/24 20:21	8
Chloroethane	ND		8.0	2.6	ug/L			10/31/24 20:21	8
Bromomethane	ND		8.0	5.5	ug/L			10/31/24 20:21	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			10/31/24 20:21	8
Acetone	**160**		80	24	ug/L			10/31/24 20:21	8
Carbon disulfide	ND		8.0	1.5	ug/L			10/31/24 20:21	8
Methylene Chloride	**13**		8.0	3.5	ug/L			10/31/24 20:21	8
trans-1,2-Dichloroethene	**10**		8.0	7.2	ug/L			10/31/24 20:21	8
1,1-Dichloroethane	**7.0**	**J**	8.0	3.0	ug/L			10/31/24 20:21	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			10/31/24 20:21	8
2-Butanone (MEK)	**360**		80	11	ug/L			10/31/24 20:21	8
Chloroform	ND		8.0	2.7	ug/L			10/31/24 20:21	8
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			10/31/24 20:21	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			10/31/24 20:21	8
Benzene	ND		8.0	3.3	ug/L			10/31/24 20:21	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			10/31/24 20:21	8
Trichloroethene	ND		8.0	3.7	ug/L			10/31/24 20:21	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			10/31/24 20:21	8
Bromodichloromethane	ND		8.0	3.1	ug/L			10/31/24 20:21	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			10/31/24 20:21	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			10/31/24 20:21	8
Toluene	ND		8.0	4.1	ug/L			10/31/24 20:21	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			10/31/24 20:21	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			10/31/24 20:21	8
Tetrachloroethene	ND		8.0	2.9	ug/L			10/31/24 20:21	8
2-Hexanone	ND		40	9.9	ug/L			10/31/24 20:21	8
Dibromochloromethane	ND		8.0	2.6	ug/L			10/31/24 20:21	8
Chlorobenzene	ND		8.0	6.0	ug/L			10/31/24 20:21	8
Ethylbenzene	ND		8.0	5.9	ug/L			10/31/24 20:21	8
m,p-Xylene	ND		16	5.3	ug/L			10/31/24 20:21	8
o-Xylene	ND		8.0	6.1	ug/L			10/31/24 20:21	8
Styrene	ND		8.0	5.8	ug/L			10/31/24 20:21	8
Bromoform	ND		8.0	2.1	ug/L			10/31/24 20:21	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			10/31/24 20:21	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/31/24 20:21*	*8*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*10/31/24 20:21*	*8*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/31/24 20:21*	*8*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/31/24 20:21*	*8*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		170	33	ug/L			10/30/24 09:53	22
Ethene	**130**	**J**	150	33	ug/L			10/30/24 09:53	22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**16000**		440	110	ug/L			10/30/24 10:12	110

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 89-15(1)
Lab Sample ID: 480-224877-28
Date Collected: 10/25/24 10:10
Matrix: Water
Date Received: 10/25/24 16:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	6.8	J	20.0	3.5	mg/L			11/04/24 04:33	10
Total Organic Carbon (SM 5310C)	675		10.0	4.3	mg/L			11/05/24 16:38	10

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-224877-1	EW-8	96	106	90	100
480-224877-2	17-01(1)	94	108	91	101
480-224877-3	87-22(1)HS	97	109	93	101
480-224877-4	87-22(1)	99	110	95	99
480-224877-4 - DL	87-22(1)	96	108	93	101
480-224877-5	87-08(1)	96	108	98	101
480-224877-5 - DL	87-08(1)	96	108	94	105
480-224877-6	B-8(0)	97	109	95	101
480-224877-7	87-04(1)	98	106	94	101
480-224877-8	17-04(1)	97	105	92	100
480-224877-9	DW-9	92	105	91	97
480-224877-9 - DL	DW-9	101	111	97	97
480-224877-10	B-10A(1)	89	106	89	101
480-224877-11	DUP-02	94	109	93	101
480-224877-12	87-19(1)HS	94	107	94	99
480-224877-15	87-19(1)	98	108	92	103
480-224877-16	FB-2	90	111	89	103
480-224877-17	87-14(1)	97	109	93	98
480-224877-18	87-13(1)	96	104	95	100
480-224877-19	87-14(0)	98	111	92	102
480-224877-20	87-17(1)HS	99	108	96	98
480-224877-21	87-17(1)	92	110	89	99
480-224877-21 MS	87-17(1)	87	119	85	91
480-224877-21 MSD	87-17(1)	90	112	87	87
480-224877-22	TRIP BLANK-02	102	92	98	101
480-224877-23	87-16(1)	98	108	93	97
480-224877-24	87-13(3)	101	112	113	100
480-224877-25	DW-10HS	95	111	92	100
480-224877-26	DW-10	96	108	95	97
480-224877-27	19-01(1)	100	109	94	99
480-224877-28	89-15(1)	97	112	95	102
LCS 480-730048/6	Lab Control Sample	102	92	101	101
LCS 480-730472/6	Lab Control Sample	94	111	92	102
LCS 480-730625/6	Lab Control Sample	95	108	94	105
LCS 480-730819/6	Lab Control Sample	93	108	91	99
LCS 480-731190/6	Lab Control Sample	90	114	86	92
MB 480-730048/9	Method Blank	99	93	98	106
MB 480-730472/8	Method Blank	97	106	98	100
MB 480-730625/8	Method Blank	97	115	97	103
MB 480-730819/8	Method Blank	97	115	99	98
MB 480-731190/8	Method Blank	86	115	86	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-730048/9
Matrix: Water
Analysis Batch: 730048

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/28/24 12:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/24 12:28	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/24 12:28	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/24 12:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/24 12:28	1
Acetone	ND		10	3.0	ug/L			10/28/24 12:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/24 12:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/24 12:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/24 12:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/24 12:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/24 12:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/24 12:28	1
Chloroform	ND		1.0	0.34	ug/L			10/28/24 12:28	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/24 12:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/24 12:28	1
Benzene	ND		1.0	0.41	ug/L			10/28/24 12:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/24 12:28	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/24 12:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/24 12:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/24 12:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/24 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/24 12:28	1
Toluene	ND		1.0	0.51	ug/L			10/28/24 12:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/24 12:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/24 12:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/24 12:28	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/24 12:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/24 12:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/24 12:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/24 12:28	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/28/24 12:28	1
o-Xylene	ND		1.0	0.76	ug/L			10/28/24 12:28	1
Styrene	ND		1.0	0.73	ug/L			10/28/24 12:28	1
Bromoform	ND		1.0	0.26	ug/L			10/28/24 12:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/24 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/28/24 12:28*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/28/24 12:28*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/28/24 12:28*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/28/24 12:28*	*1*

Lab Sample ID: LCS 480-730048/6
Matrix: Water
Analysis Batch: 730048

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			25.0	21.4		ug/L		86	68 - 124		

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

Lab Sample ID: LCS 480-730048/6
Matrix: Water
Analysis Batch: 730048

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.0	22.1		ug/L		89	65 - 133
Chloroethane	25.0	23.6		ug/L		94	69 - 136
Bromomethane	25.0	22.7		ug/L		91	55 - 144
1,1-Dichloroethene	25.0	26.3		ug/L		105	66 - 127
Acetone	125	137		ug/L		110	56 - 142
Carbon disulfide	25.0	27.2		ug/L		109	59 - 134
Methylene Chloride	25.0	25.3		ug/L		101	75 - 124
trans-1,2-Dichloroethene	25.0	25.1		ug/L		101	73 - 127
1,1-Dichloroethane	25.0	26.1		ug/L		104	77 - 120
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
Chloroform	25.0	24.0		ug/L		96	73 - 127
1,1,1-Trichloroethane	25.0	26.4		ug/L		106	73 - 126
Carbon tetrachloride	25.0	27.0		ug/L		108	72 - 134
Benzene	25.0	25.1		ug/L		100	71 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
Trichloroethene	25.0	24.9		ug/L		99	74 - 123
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
Bromodichloromethane	25.0	26.6		ug/L		106	80 - 122
cis-1,3-Dichloropropene	25.0	28.9		ug/L		116	74 - 124
4-Methyl-2-pentanone (MIBK)	125	148		ug/L		119	71 - 125
Toluene	25.0	25.3		ug/L		101	80 - 122
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	80 - 120
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122
Tetrachloroethene	25.0	25.9		ug/L		104	74 - 122
2-Hexanone	125	133		ug/L		107	65 - 127
Dibromochloromethane	25.0	27.8		ug/L		111	75 - 125
Chlorobenzene	25.0	24.4		ug/L		97	80 - 120
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
m,p-Xylene	25.0	24.0		ug/L		96	76 - 122
o-Xylene	25.0	24.8		ug/L		99	76 - 122
Styrene	25.0	23.7		ug/L		95	80 - 120
Bromoform	25.0	26.0		ug/L		104	61 - 132
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 480-730472/8
Matrix: Water
Analysis Batch: 730472

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/30/24 13:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/24 13:58	1

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

Lab Sample ID: MB 480-730472/8
Matrix: Water
Analysis Batch: 730472

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			10/30/24 13:58	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/24 13:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/24 13:58	1
Acetone	ND		10	3.0	ug/L			10/30/24 13:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/24 13:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/24 13:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/24 13:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/24 13:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/30/24 13:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/24 13:58	1
Chloroform	ND		1.0	0.34	ug/L			10/30/24 13:58	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/24 13:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/24 13:58	1
Benzene	ND		1.0	0.41	ug/L			10/30/24 13:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/24 13:58	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/24 13:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/24 13:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/24 13:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/24 13:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/24 13:58	1
Toluene	ND		1.0	0.51	ug/L			10/30/24 13:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/24 13:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/24 13:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/24 13:58	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/24 13:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/24 13:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/24 13:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/24 13:58	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/30/24 13:58	1
o-Xylene	ND		1.0	0.76	ug/L			10/30/24 13:58	1
Styrene	ND		1.0	0.73	ug/L			10/30/24 13:58	1
Bromoform	ND		1.0	0.26	ug/L			10/30/24 13:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/24 13:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/30/24 13:58*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/30/24 13:58*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/30/24 13:58*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/30/24 13:58*	*1*

Lab Sample ID: LCS 480-730472/6
Matrix: Water
Analysis Batch: 730472

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			25.0	19.9		ug/L		80	68 - 124		
Vinyl chloride			25.0	20.0		ug/L		80	65 - 133		
Chloroethane			25.0	18.5		ug/L		74	69 - 136		

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

Lab Sample ID: LCS 480-730472/6
Matrix: Water
Analysis Batch: 730472

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	25.0	19.0		ug/L		76	55 - 144
1,1-Dichloroethene	25.0	22.2		ug/L		89	66 - 127
Acetone	125	129		ug/L		103	56 - 142
Carbon disulfide	25.0	20.6		ug/L		82	59 - 134
Methylene Chloride	25.0	23.4		ug/L		93	75 - 124
trans-1,2-Dichloroethene	25.0	22.1		ug/L		89	73 - 127
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
cis-1,2-Dichloroethene	25.0	23.4		ug/L		93	74 - 124
2-Butanone (MEK)	125	125		ug/L		100	57 - 140
Chloroform	25.0	22.1		ug/L		88	73 - 127
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
Carbon tetrachloride	25.0	23.1		ug/L		92	72 - 134
Benzene	25.0	22.8		ug/L		91	71 - 124
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
Bromodichloromethane	25.0	24.9		ug/L		99	80 - 122
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Toluene	25.0	26.6		ug/L		106	80 - 122
trans-1,3-Dichloropropene	25.0	26.1		ug/L		104	80 - 120
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	76 - 122
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122
2-Hexanone	125	131		ug/L		105	65 - 127
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125
Chlorobenzene	25.0	26.9		ug/L		108	80 - 120
Ethylbenzene	25.0	26.6		ug/L		107	77 - 123
m,p-Xylene	25.0	25.0		ug/L		100	76 - 122
o-Xylene	25.0	25.6		ug/L		103	76 - 122
Styrene	25.0	24.2		ug/L		97	80 - 120
Bromoform	25.0	24.5		ug/L		98	61 - 132
1,1,2,2-Tetrachloroethane	25.0	22.5		ug/L		90	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 480-730625/8
Matrix: Water
Analysis Batch: 730625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/31/24 12:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/31/24 12:47	1
Chloroethane	ND		1.0	0.32	ug/L			10/31/24 12:47	1
Bromomethane	ND		1.0	0.69	ug/L			10/31/24 12:47	1

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

Lab Sample ID: MB 480-730625/8
Matrix: Water
Analysis Batch: 730625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/31/24 12:47	1
Acetone	ND		10	3.0	ug/L			10/31/24 12:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/31/24 12:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/31/24 12:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/31/24 12:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/31/24 12:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/31/24 12:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/31/24 12:47	1
Chloroform	ND		1.0	0.34	ug/L			10/31/24 12:47	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/31/24 12:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/31/24 12:47	1
Benzene	ND		1.0	0.41	ug/L			10/31/24 12:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/31/24 12:47	1
Trichloroethene	ND		1.0	0.46	ug/L			10/31/24 12:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/31/24 12:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/31/24 12:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/31/24 12:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/31/24 12:47	1
Toluene	ND		1.0	0.51	ug/L			10/31/24 12:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/31/24 12:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/31/24 12:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/31/24 12:47	1
2-Hexanone	ND		5.0	1.2	ug/L			10/31/24 12:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/31/24 12:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/31/24 12:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/31/24 12:47	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/31/24 12:47	1
o-Xylene	ND		1.0	0.76	ug/L			10/31/24 12:47	1
Styrene	ND		1.0	0.73	ug/L			10/31/24 12:47	1
Bromoform	ND		1.0	0.26	ug/L			10/31/24 12:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/31/24 12:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/31/24 12:47*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*10/31/24 12:47*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/31/24 12:47*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/31/24 12:47*	*1*

Lab Sample ID: LCS 480-730625/6
Matrix: Water
Analysis Batch: 730625

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	20.9		ug/L		84	68 - 124
Vinyl chloride	25.0	20.2		ug/L		81	65 - 133
Chloroethane	25.0	18.7		ug/L		75	69 - 136
Bromomethane	25.0	19.4		ug/L		78	55 - 144
1,1-Dichloroethene	25.0	21.0		ug/L		84	66 - 127

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

Lab Sample ID: LCS 480-730625/6
Matrix: Water
Analysis Batch: 730625

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	125	112		ug/L		90	56 - 142
Carbon disulfide	25.0	19.3		ug/L		77	59 - 134
Methylene Chloride	25.0	23.2		ug/L		93	75 - 124
trans-1,2-Dichloroethene	25.0	21.4		ug/L		86	73 - 127
1,1-Dichloroethane	25.0	21.6		ug/L		86	77 - 120
cis-1,2-Dichloroethene	25.0	21.2		ug/L		85	74 - 124
2-Butanone (MEK)	125	112		ug/L		89	57 - 140
Chloroform	25.0	21.6		ug/L		86	73 - 127
1,1,1-Trichloroethane	25.0	23.4		ug/L		94	73 - 126
Carbon tetrachloride	25.0	22.0		ug/L		88	72 - 134
Benzene	25.0	21.2		ug/L		85	71 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
Trichloroethene	25.0	22.0		ug/L		88	74 - 123
1,2-Dichloropropane	25.0	22.1		ug/L		89	76 - 120
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122
cis-1,3-Dichloropropene	25.0	22.6		ug/L		91	74 - 124
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		89	71 - 125
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,3-Dichloropropene	25.0	23.6		ug/L		94	80 - 120
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
Tetrachloroethene	25.0	21.8		ug/L		87	74 - 122
2-Hexanone	125	115		ug/L		92	65 - 127
Dibromochloromethane	25.0	23.3		ug/L		93	75 - 125
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
m,p-Xylene	25.0	22.2		ug/L		89	76 - 122
o-Xylene	25.0	22.7		ug/L		91	76 - 122
Styrene	25.0	22.2		ug/L		89	80 - 120
Bromoform	25.0	24.5		ug/L		98	61 - 132
1,1,2,2-Tetrachloroethane	25.0	21.5		ug/L		86	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: MB 480-730819/8
Matrix: Water
Analysis Batch: 730819

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			11/01/24 15:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/01/24 15:01	1
Chloroethane	ND		1.0	0.32	ug/L			11/01/24 15:01	1
Bromomethane	ND		1.0	0.69	ug/L			11/01/24 15:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/01/24 15:01	1
Acetone	ND		10	3.0	ug/L			11/01/24 15:01	1

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

Lab Sample ID: MB 480-730819/8
Matrix: Water
Analysis Batch: 730819

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			11/01/24 15:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/01/24 15:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/01/24 15:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/01/24 15:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/01/24 15:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/01/24 15:01	1
Chloroform	ND		1.0	0.34	ug/L			11/01/24 15:01	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/01/24 15:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/01/24 15:01	1
Benzene	ND		1.0	0.41	ug/L			11/01/24 15:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/01/24 15:01	1
Trichloroethene	ND		1.0	0.46	ug/L			11/01/24 15:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/01/24 15:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/01/24 15:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/01/24 15:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/01/24 15:01	1
Toluene	ND		1.0	0.51	ug/L			11/01/24 15:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/01/24 15:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/01/24 15:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/01/24 15:01	1
2-Hexanone	ND		5.0	1.2	ug/L			11/01/24 15:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/01/24 15:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/01/24 15:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/01/24 15:01	1
m,p-Xylene	ND		2.0	0.66	ug/L			11/01/24 15:01	1
o-Xylene	ND		1.0	0.76	ug/L			11/01/24 15:01	1
Styrene	ND		1.0	0.73	ug/L			11/01/24 15:01	1
Bromoform	ND		1.0	0.26	ug/L			11/01/24 15:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/01/24 15:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*11/01/24 15:01*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*11/01/24 15:01*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/01/24 15:01*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/01/24 15:01*	*1*

Lab Sample ID: LCS 480-730819/6
Matrix: Water
Analysis Batch: 730819

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	22.6		ug/L		90	68 - 124
Vinyl chloride	25.0	21.4		ug/L		86	65 - 133
Chloroethane	25.0	18.2		ug/L		73	69 - 136
Bromomethane	25.0	19.9		ug/L		79	55 - 144
1,1-Dichloroethene	25.0	23.4		ug/L		94	66 - 127
Acetone	125	116		ug/L		93	56 - 142
Carbon disulfide	25.0	22.6		ug/L		90	59 - 134

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

Lab Sample ID: LCS 480-730819/6
Matrix: Water
Analysis Batch: 730819

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	25.0		ug/L		100	75 - 124
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
2-Butanone (MEK)	125	128		ug/L		102	57 - 140
Chloroform	25.0	24.6		ug/L		98	73 - 127
1,1,1-Trichloroethane	25.0	26.1		ug/L		104	73 - 126
Carbon tetrachloride	25.0	24.2		ug/L		97	72 - 134
Benzene	25.0	23.5		ug/L		94	71 - 124
1,2-Dichloroethane	25.0	26.4		ug/L		106	75 - 120
Trichloroethene	25.0	25.4		ug/L		101	74 - 123
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Toluene	25.0	26.6		ug/L		107	80 - 122
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	80 - 120
1,1,2-Trichloroethane	25.0	26.6		ug/L		107	76 - 122
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122
2-Hexanone	125	132		ug/L		106	65 - 127
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Chlorobenzene	25.0	27.1		ug/L		108	80 - 120
Ethylbenzene	25.0	26.6		ug/L		106	77 - 123
m,p-Xylene	25.0	25.2		ug/L		101	76 - 122
o-Xylene	25.0	23.4		ug/L		94	76 - 122
Styrene	25.0	25.0		ug/L		100	80 - 120
Bromoform	25.0	28.5		ug/L		114	61 - 132
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		95	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-731190/8
Matrix: Water
Analysis Batch: 731190

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			11/05/24 12:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/05/24 12:28	1
Chloroethane	ND		1.0	0.32	ug/L			11/05/24 12:28	1
Bromomethane	ND		1.0	0.69	ug/L			11/05/24 12:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/05/24 12:28	1
Acetone	ND		10	3.0	ug/L			11/05/24 12:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/05/24 12:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/05/24 12:28	1

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

Lab Sample ID: MB 480-731190/8
Matrix: Water
Analysis Batch: 731190

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/05/24 12:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/05/24 12:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/05/24 12:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/05/24 12:28	1
Chloroform	ND		1.0	0.34	ug/L			11/05/24 12:28	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/05/24 12:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/05/24 12:28	1
Benzene	ND		1.0	0.41	ug/L			11/05/24 12:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/05/24 12:28	1
Trichloroethene	ND		1.0	0.46	ug/L			11/05/24 12:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/05/24 12:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/05/24 12:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/05/24 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/05/24 12:28	1
Toluene	ND		1.0	0.51	ug/L			11/05/24 12:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/05/24 12:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/05/24 12:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/05/24 12:28	1
2-Hexanone	ND		5.0	1.2	ug/L			11/05/24 12:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/05/24 12:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/05/24 12:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/24 12:28	1
m,p-Xylene	ND		2.0	0.66	ug/L			11/05/24 12:28	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/24 12:28	1
Styrene	ND		1.0	0.73	ug/L			11/05/24 12:28	1
Bromoform	ND		1.0	0.26	ug/L			11/05/24 12:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/05/24 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/05/24 12:28*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*11/05/24 12:28*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 123*		*11/05/24 12:28*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*11/05/24 12:28*	*1*

Lab Sample ID: LCS 480-731190/6
Matrix: Water
Analysis Batch: 731190

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	25.0	22.3		ug/L		89	68 - 124
Vinyl chloride	25.0	20.2		ug/L		81	65 - 133
Chloroethane	25.0	18.2		ug/L		73	69 - 136
Bromomethane	25.0	20.3		ug/L		81	55 - 144
1,1-Dichloroethene	25.0	25.4		ug/L		102	66 - 127
Acetone	125	116		ug/L		93	56 - 142
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134
Methylene Chloride	25.0	23.6		ug/L		94	75 - 124
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	73 - 127

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

Lab Sample ID: LCS 480-731190/6
Matrix: Water
Analysis Batch: 731190

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	25.0	25.5		ug/L		102	77 - 120
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
Chloroform	25.0	25.4		ug/L		102	73 - 127
1,1,1-Trichloroethane	25.0	29.7		ug/L		119	73 - 126
Carbon tetrachloride	25.0	28.4		ug/L		114	72 - 134
Benzene	25.0	24.6		ug/L		98	71 - 124
1,2-Dichloroethane	25.0	28.3		ug/L		113	75 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
Bromodichloromethane	25.0	28.7		ug/L		115	80 - 122
cis-1,3-Dichloropropene	25.0	25.6		ug/L		102	74 - 124
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Toluene	25.0	26.9		ug/L		108	80 - 122
trans-1,3-Dichloropropene	25.0	28.5		ug/L		114	80 - 120
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
Tetrachloroethene	25.0	27.1		ug/L		108	74 - 122
2-Hexanone	125	115		ug/L		92	65 - 127
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Chlorobenzene	25.0	27.1		ug/L		108	80 - 120
Ethylbenzene	25.0	27.6		ug/L		111	77 - 123
m,p-Xylene	25.0	25.3		ug/L		101	76 - 122
o-Xylene	25.0	24.8		ug/L		99	76 - 122
Styrene	25.0	24.1		ug/L		97	80 - 120
Bromoform	25.0	28.0		ug/L		112	61 - 132
1,1,2,2-Tetrachloroethane	25.0	20.9		ug/L		83	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*
Dibromofluoromethane (Surr)	*86*		*75 - 123*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: 480-224877-21 MS
Matrix: Water
Analysis Batch: 731190

Client Sample ID: 87-17(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		100	74.4		ug/L		74	68 - 124
Vinyl chloride	150		100	211	F1	ug/L		57	65 - 133
Chloroethane	ND		100	74.5		ug/L		75	69 - 136
Bromomethane	ND		100	78.8		ug/L		79	55 - 144
1,1-Dichloroethene	ND		100	103		ug/L		103	66 - 127
Acetone	ND		500	483		ug/L		97	56 - 142
Carbon disulfide	ND		100	88.6		ug/L		89	59 - 134
Methylene Chloride	4.2		100	96.3		ug/L		92	75 - 124
trans-1,2-Dichloroethene	ND		100	101		ug/L		101	73 - 127
1,1-Dichloroethane	11		100	111		ug/L		100	77 - 120

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

Lab Sample ID: 480-224877-21 MS
Matrix: Water
Analysis Batch: 731190

Client Sample ID: 87-17(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	83		100	175		ug/L		92	74 - 124
2-Butanone (MEK)	ND		500	504		ug/L		101	57 - 140
Chloroform	ND		100	99.9		ug/L		100	73 - 127
1,1,1-Trichloroethane	30		100	147		ug/L		117	73 - 126
Carbon tetrachloride	ND		100	120		ug/L		120	72 - 134
Benzene	ND		100	97.9		ug/L		98	71 - 124
1,2-Dichloroethane	ND		100	113		ug/L		113	75 - 120
Trichloroethene	ND		100	107		ug/L		107	74 - 123
1,2-Dichloropropane	ND		100	96.7		ug/L		97	76 - 120
Bromodichloromethane	ND		100	112		ug/L		112	80 - 122
cis-1,3-Dichloropropene	ND		100	102		ug/L		102	74 - 124
4-Methyl-2-pentanone (MIBK)	ND		500	479		ug/L		96	71 - 125
Toluene	ND		100	112		ug/L		112	80 - 122
trans-1,3-Dichloropropene	ND		100	110		ug/L		110	80 - 120
1,1,2-Trichloroethane	ND		100	98.7		ug/L		99	76 - 122
Tetrachloroethene	ND		100	111		ug/L		111	74 - 122
2-Hexanone	ND		500	490		ug/L		98	65 - 127
Dibromochloromethane	ND		100	106		ug/L		106	75 - 125
Chlorobenzene	ND		100	111		ug/L		111	80 - 120
Ethylbenzene	ND		100	110		ug/L		110	77 - 123
m,p-Xylene	ND		100	105		ug/L		105	76 - 122
o-Xylene	ND		100	99.4		ug/L		99	76 - 122
Styrene	ND		100	103		ug/L		103	80 - 120
Bromoform	ND		100	114		ug/L		114	61 - 132
1,1,2,2-Tetrachloroethane	ND		100	86.1		ug/L		86	76 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*
Dibromofluoromethane (Surr)	*85*		*75 - 123*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: 480-224877-21 MSD
Matrix: Water
Analysis Batch: 731190

Client Sample ID: 87-17(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	ND		100	69.5		ug/L		69	68 - 124	7	15
Vinyl chloride	150		100	205	F1	ug/L		51	65 - 133	3	15
Chloroethane	ND		100	75.8		ug/L		76	69 - 136	2	15
Bromomethane	ND		100	75.6		ug/L		76	55 - 144	4	15
1,1-Dichloroethene	ND		100	96.8		ug/L		97	66 - 127	6	16
Acetone	ND		500	447		ug/L		89	56 - 142	8	15
Carbon disulfide	ND		100	85.4		ug/L		85	59 - 134	4	15
Methylene Chloride	4.2		100	99.5		ug/L		95	75 - 124	3	15
trans-1,2-Dichloroethene	ND		100	97.5		ug/L		97	73 - 127	4	20
1,1-Dichloroethane	11		100	109		ug/L		98	77 - 120	1	20
cis-1,2-Dichloroethene	83		100	168		ug/L		86	74 - 124	4	15

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

Lab Sample ID: 480-224877-21 MSD
Matrix: Water
Analysis Batch: 731190

Client Sample ID: 87-17(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	ND		500	478		ug/L		96	57 - 140	5	20
Chloroform	ND		100	98.7		ug/L		99	73 - 127	1	20
1,1,1-Trichloroethane	30		100	144		ug/L		114	73 - 126	2	15
Carbon tetrachloride	ND		100	113		ug/L		113	72 - 134	6	15
Benzene	ND		100	97.0		ug/L		97	71 - 124	1	13
1,2-Dichloroethane	ND		100	111		ug/L		111	75 - 120	2	20
Trichloroethene	ND		100	105		ug/L		105	74 - 123	2	16
1,2-Dichloropropane	ND		100	97.5		ug/L		98	76 - 120	1	20
Bromodichloromethane	ND		100	114		ug/L		114	80 - 122	2	15
cis-1,3-Dichloropropene	ND		100	97.8		ug/L		98	74 - 124	4	15
4-Methyl-2-pentanone (MIBK)	ND		500	434		ug/L		87	71 - 125	10	35
Toluene	ND		100	103		ug/L		103	80 - 122	8	15
trans-1,3-Dichloropropene	ND		100	103		ug/L		103	80 - 120	6	15
1,1,2-Trichloroethane	ND		100	96.3		ug/L		96	76 - 122	2	15
Tetrachloroethene	ND		100	107		ug/L		107	74 - 122	4	20
2-Hexanone	ND		500	443		ug/L		89	65 - 127	10	15
Dibromochloromethane	ND		100	100		ug/L		100	75 - 125	5	15
Chlorobenzene	ND		100	106		ug/L		106	80 - 120	5	25
Ethylbenzene	ND		100	104		ug/L		104	77 - 123	5	15
m,p-Xylene	ND		100	94.9		ug/L		95	76 - 122	11	16
o-Xylene	ND		100	94.0		ug/L		94	76 - 122	6	16
Styrene	ND		100	91.6		ug/L		92	80 - 120	12	20
Bromoform	ND		100	106		ug/L		106	61 - 132	7	15
1,1,2,2-Tetrachloroethane	ND		100	86.5		ug/L		86	76 - 120	0	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*87*		*75 - 123*
Toluene-d8 (Surr)	*87*		*80 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-730194/4
Matrix: Water
Analysis Batch: 730194

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			10/29/24 08:06	1
Ethane	ND		7.5	1.5	ug/L			10/29/24 08:06	1
Ethene	ND		7.0	1.5	ug/L			10/29/24 08:06	1

Lab Sample ID: LCS 480-730194/5
Matrix: Water
Analysis Batch: 730194

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane			19.5	20.6		ug/L		106	85 - 120		
Ethane			36.5	39.0		ug/L		107	79 - 120		

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

Lab Sample ID: LCS 480-730194/5
Matrix: Water
Analysis Batch: 730194

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethene	34.0	36.9		ug/L		108	85 - 120

Lab Sample ID: MB 480-730383/4
Matrix: Water
Analysis Batch: 730383

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			10/30/24 07:39	1
Ethane	ND		7.5	1.5	ug/L			10/30/24 07:39	1
Ethene	ND		7.0	1.5	ug/L			10/30/24 07:39	1

Lab Sample ID: LCS 480-730383/5
Matrix: Water
Analysis Batch: 730383

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	18.1		ug/L		93	85 - 120
Ethane	36.5	33.6		ug/L		92	79 - 120
Ethene	34.0	31.3		ug/L		92	85 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 480-730647/28
Matrix: Water
Analysis Batch: 730647

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.549	J	2.0	0.35	mg/L			11/01/24 15:49	1

Lab Sample ID: LCS 480-730647/29
Matrix: Water
Analysis Batch: 730647

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.1	52.23		mg/L		104	90 - 110

Lab Sample ID: 480-224877-18 MS
Matrix: Water
Analysis Batch: 730647

Client Sample ID: 87-13(1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	6.6	J B	250	260.9		mg/L		102	80 - 120

Lab Sample ID: MB 480-730926/4
Matrix: Water
Analysis Batch: 730926

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			11/04/24 03:34	1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-730926/5
Matrix: Water
Analysis Batch: 730926

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.1	48.76		mg/L		97	90 - 110

Method: SM 5310C - TOC

Lab Sample ID: MB 480-730816/76
Matrix: Water
Analysis Batch: 730816

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			11/01/24 04:28	1

Lab Sample ID: LCS 480-730816/77
Matrix: Water
Analysis Batch: 730816

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	58.26		mg/L		97	90 - 110

Lab Sample ID: MB 480-730967/4
Matrix: Water
Analysis Batch: 730967

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/31/24 13:06	1

Lab Sample ID: LCS 480-730967/5
Matrix: Water
Analysis Batch: 730967

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	60.32		mg/L		101	90 - 110

Lab Sample ID: MB 480-730969/52
Matrix: Water
Analysis Batch: 730969

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			11/02/24 15:46	1

Lab Sample ID: LCS 480-730969/53
Matrix: Water
Analysis Batch: 730969

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	61.00		mg/L		102	90 - 110

Method: SM 5310C - TOC (Continued)

Lab Sample ID: MB 480-731159/4
Matrix: Water
Analysis Batch: 731159

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			11/03/24 14:06	1

Lab Sample ID: LCS 480-731159/5
Matrix: Water
Analysis Batch: 731159

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	61.91		mg/L		103	90 - 110

Lab Sample ID: MB 480-731376/28
Matrix: Water
Analysis Batch: 731376

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			11/06/24 00:44	1

Lab Sample ID: MB 480-731376/4
Matrix: Water
Analysis Batch: 731376

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			11/05/24 13:19	1

Lab Sample ID: LCS 480-731376/29
Matrix: Water
Analysis Batch: 731376

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	58.48		mg/L		97	90 - 110

Lab Sample ID: LCS 480-731376/5
Matrix: Water
Analysis Batch: 731376

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	59.21		mg/L		99	90 - 110

GC/MS VOA

Analysis Batch: 730048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-22	TRIP BLANK-02	Total/NA	Water	8260C	
MB 480-730048/9	Method Blank	Total/NA	Water	8260C	
LCS 480-730048/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 730472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-1	EW-8	Total/NA	Water	8260C	
480-224877-2	17-01(1)	Total/NA	Water	8260C	
480-224877-4	87-22(1)	Total/NA	Water	8260C	
480-224877-5	87-08(1)	Total/NA	Water	8260C	
480-224877-6	B-8(0)	Total/NA	Water	8260C	
480-224877-7	87-04(1)	Total/NA	Water	8260C	
480-224877-8	17-04(1)	Total/NA	Water	8260C	
480-224877-9	DW-9	Total/NA	Water	8260C	
480-224877-10	B-10A(1)	Total/NA	Water	8260C	
480-224877-15	87-19(1)	Total/NA	Water	8260C	
MB 480-730472/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730472/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 730625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-3	87-22(1)HS	Total/NA	Water	8260C	
480-224877-4 - DL	87-22(1)	Total/NA	Water	8260C	
480-224877-5 - DL	87-08(1)	Total/NA	Water	8260C	
480-224877-9 - DL	DW-9	Total/NA	Water	8260C	
480-224877-11	DUP-02	Total/NA	Water	8260C	
480-224877-12	87-19(1)HS	Total/NA	Water	8260C	
480-224877-16	FB-2	Total/NA	Water	8260C	
480-224877-17	87-14(1)	Total/NA	Water	8260C	
480-224877-18	87-13(1)	Total/NA	Water	8260C	
480-224877-19	87-14(0)	Total/NA	Water	8260C	
480-224877-20	87-17(1)HS	Total/NA	Water	8260C	
480-224877-23	87-16(1)	Total/NA	Water	8260C	
480-224877-24	87-13(3)	Total/NA	Water	8260C	
480-224877-25	DW-10HS	Total/NA	Water	8260C	
480-224877-26	DW-10	Total/NA	Water	8260C	
480-224877-27	19-01(1)	Total/NA	Water	8260C	
480-224877-28	89-15(1)	Total/NA	Water	8260C	
MB 480-730625/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730625/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 730819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-21	87-17(1)	Total/NA	Water	8260C	
MB 480-730819/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730819/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 731190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-731190/8	Method Blank	Total/NA	Water	8260C	
LCS 480-731190/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 731190 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-21 MS	87-17(1)	Total/NA	Water	8260C	
480-224877-21 MSD	87-17(1)	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 730194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-7	87-04(1)	Total/NA	Water	RSK-175	
480-224877-10	B-10A(1)	Total/NA	Water	RSK-175	
480-224877-17	87-14(1)	Total/NA	Water	RSK-175	
480-224877-18	87-13(1)	Total/NA	Water	RSK-175	
480-224877-27	19-01(1)	Total/NA	Water	RSK-175	
MB 480-730194/4	Method Blank	Total/NA	Water	RSK-175	
LCS 480-730194/5	Lab Control Sample	Total/NA	Water	RSK-175	

Analysis Batch: 730383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-2	17-01(1)	Total/NA	Water	RSK-175	
480-224877-8	17-04(1)	Total/NA	Water	RSK-175	
480-224877-9	DW-9	Total/NA	Water	RSK-175	
480-224877-23	87-16(1)	Total/NA	Water	RSK-175	
480-224877-28	89-15(1)	Total/NA	Water	RSK-175	
480-224877-28 - DL	89-15(1)	Total/NA	Water	RSK-175	
MB 480-730383/4	Method Blank	Total/NA	Water	RSK-175	
LCS 480-730383/5	Lab Control Sample	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 730647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-2	17-01(1)	Total/NA	Water	9056A	
480-224877-7	87-04(1)	Total/NA	Water	9056A	
480-224877-8	17-04(1)	Total/NA	Water	9056A	
480-224877-9	DW-9	Total/NA	Water	9056A	
480-224877-10	B-10A(1)	Total/NA	Water	9056A	
480-224877-17	87-14(1)	Total/NA	Water	9056A	
480-224877-18	87-13(1)	Total/NA	Water	9056A	
MB 480-730647/28	Method Blank	Total/NA	Water	9056A	
LCS 480-730647/29	Lab Control Sample	Total/NA	Water	9056A	
480-224877-18 MS	87-13(1)	Total/NA	Water	9056A	

Analysis Batch: 730816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-2	17-01(1)	Total/NA	Water	SM 5310C	
480-224877-8	17-04(1)	Total/NA	Water	SM 5310C	
480-224877-9	DW-9	Total/NA	Water	SM 5310C	
480-224877-10	B-10A(1)	Total/NA	Water	SM 5310C	
MB 480-730816/76	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-730816/77	Lab Control Sample	Total/NA	Water	SM 5310C	

General Chemistry

Analysis Batch: 730926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-23	87-16(1)	Total/NA	Water	9056A	
480-224877-27	19-01(1)	Total/NA	Water	9056A	
480-224877-28	89-15(1)	Total/NA	Water	9056A	
MB 480-730926/4	Method Blank	Total/NA	Water	9056A	
LCS 480-730926/5	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 730967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-23	87-16(1)	Total/NA	Water	SM 5310C	
MB 480-730967/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-730967/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 730969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-17	87-14(1)	Total/NA	Water	SM 5310C	
MB 480-730969/52	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-730969/53	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 731159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-7	87-04(1)	Total/NA	Water	SM 5310C	
480-224877-18	87-13(1)	Total/NA	Water	SM 5310C	
480-224877-27	19-01(1)	Total/NA	Water	SM 5310C	
MB 480-731159/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-731159/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 731376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224877-28	89-15(1)	Total/NA	Water	SM 5310C	
MB 480-731376/28	Method Blank	Total/NA	Water	SM 5310C	
MB 480-731376/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-731376/29	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 480-731376/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Client Sample ID: EW-8
Lab Sample ID: 480-224877-1
Date Collected: 10/24/24 09:40
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	730472	AD	EET BUF	10/30/24 19:55

Client Sample ID: 17-01(1)
Lab Sample ID: 480-224877-2
Date Collected: 10/24/24 09:45
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2000	730472	AD	EET BUF	10/30/24 20:18
Total/NA	Analysis	RSK-175		1	730383	JLS	EET BUF	10/30/24 08:38
Total/NA	Analysis	9056A		20	730647	AF	EET BUF	11/01/24 19:14
Total/NA	Analysis	SM 5310C		20	730816	AF	EET BUF	11/01/24 02:05

Client Sample ID: 87-22(1)HS
Lab Sample ID: 480-224877-3
Date Collected: 10/24/24 10:35
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	730625	AD	EET BUF	10/31/24 13:23

Client Sample ID: 87-22(1)
Lab Sample ID: 480-224877-4
Date Collected: 10/24/24 11:45
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730472	AD	EET BUF	10/30/24 20:40
Total/NA	Analysis	8260C	DL	50	730625	AD	EET BUF	10/31/24 13:56

Client Sample ID: 87-08(1)
Lab Sample ID: 480-224877-5
Date Collected: 10/24/24 13:45
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	730472	AD	EET BUF	10/30/24 21:02
Total/NA	Analysis	8260C	DL	8	730625	AD	EET BUF	10/31/24 14:18

Client Sample ID: B-8(0)
Lab Sample ID: 480-224877-6
Date Collected: 10/24/24 14:40
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730472	AD	EET BUF	10/30/24 21:24

Client Sample ID: 87-04(1)
Lab Sample ID: 480-224877-7
Date Collected: 10/24/24 11:15
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1000	730472	AD	EET BUF	10/30/24 21:47
Total/NA	Analysis	RSK-175		110	730194	JLS	EET BUF	10/29/24 13:09
Total/NA	Analysis	9056A		10	730647	AF	EET BUF	11/01/24 19:28
Total/NA	Analysis	SM 5310C		40	731159	AF	EET BUF	11/03/24 21:32

Client Sample ID: 17-04(1)
Lab Sample ID: 480-224877-8
Date Collected: 10/24/24 12:20
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5000	730472	AD	EET BUF	10/30/24 22:09
Total/NA	Analysis	RSK-175		22	730383	JLS	EET BUF	10/30/24 08:56
Total/NA	Analysis	9056A		20	730647	AF	EET BUF	11/01/24 19:43
Total/NA	Analysis	SM 5310C		20	730816	AF	EET BUF	11/01/24 03:03

Client Sample ID: DW-9
Lab Sample ID: 480-224877-9
Date Collected: 10/24/24 16:10
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730472	AD	EET BUF	10/30/24 22:31
Total/NA	Analysis	8260C	DL	5	730625	AD	EET BUF	10/31/24 14:40
Total/NA	Analysis	RSK-175		1	730383	JLS	EET BUF	10/30/24 09:15
Total/NA	Analysis	9056A		2	730647	AF	EET BUF	11/01/24 19:57
Total/NA	Analysis	SM 5310C		1	730816	AF	EET BUF	11/01/24 07:49

Client Sample ID: B-10A(1)
Lab Sample ID: 480-224877-10
Date Collected: 10/24/24 16:25
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		400	730472	AD	EET BUF	10/30/24 22:54
Total/NA	Analysis	RSK-175		110	730194	JLS	EET BUF	10/29/24 14:05
Total/NA	Analysis	9056A		5	730647	AF	EET BUF	11/01/24 20:12
Total/NA	Analysis	SM 5310C		1	730816	AF	EET BUF	11/01/24 08:17

Client Sample ID: DUP-02
Lab Sample ID: 480-224877-11
Date Collected: 10/24/24 00:00
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		100	730625	AD	EET BUF	10/31/24 15:30

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-19(1)HS
Lab Sample ID: 480-224877-12
Date Collected: 10/24/24 13:25
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730625	AD	EET BUF	10/31/24 15:52

Client Sample ID: 87-19(1)
Lab Sample ID: 480-224877-15
Date Collected: 10/24/24 14:20
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730472	AD	EET BUF	10/30/24 23:16

Client Sample ID: FB-2
Lab Sample ID: 480-224877-16
Date Collected: 10/25/24 07:35
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730625	AD	EET BUF	10/31/24 16:15

Client Sample ID: 87-14(1)
Lab Sample ID: 480-224877-17
Date Collected: 10/25/24 10:40
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		400	730625	AD	EET BUF	10/31/24 16:37
Total/NA	Analysis	RSK-175		110	730194	JLS	EET BUF	10/29/24 14:43
Total/NA	Analysis	9056A		10	730647	AF	EET BUF	11/01/24 20:27
Total/NA	Analysis	SM 5310C		20	730969	AF	EET BUF	11/02/24 18:36

Client Sample ID: 87-13(1)
Lab Sample ID: 480-224877-18
Date Collected: 10/25/24 11:20
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		100	730625	AD	EET BUF	10/31/24 17:00
Total/NA	Analysis	RSK-175		110	730194	JLS	EET BUF	10/29/24 15:02
Total/NA	Analysis	9056A		5	730647	AF	EET BUF	11/01/24 20:41
Total/NA	Analysis	SM 5310C		2	731159	AF	EET BUF	11/03/24 17:49

Client Sample ID: 87-14(0)
Lab Sample ID: 480-224877-19
Date Collected: 10/25/24 11:40
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	730625	AD	EET BUF	10/31/24 17:22

Client Sample ID: 87-17(1)HS
Lab Sample ID: 480-224877-20
Date Collected: 10/25/24 12:50
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	730625	AD	EET BUF	10/31/24 17:44

Client Sample ID: 87-17(1)
Lab Sample ID: 480-224877-21
Date Collected: 10/25/24 13:45
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	730819	ERS	EET BUF	11/01/24 18:50

Client Sample ID: TRIP BLANK-02
Lab Sample ID: 480-224877-22
Date Collected: 10/09/24 00:00
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	730048	ZN	EET BUF	10/28/24 13:27

Client Sample ID: 87-16(1)
Lab Sample ID: 480-224877-23
Date Collected: 10/25/24 12:20
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8000	730625	AD	EET BUF	10/31/24 18:29
Total/NA	Analysis	RSK-175		11	730383	JLS	EET BUF	10/30/24 09:34
Total/NA	Analysis	9056A		10	730926	AF	EET BUF	11/04/24 04:04
Total/NA	Analysis	SM 5310C		1	730967	AF	EET BUF	10/31/24 21:02

Client Sample ID: 87-13(3)
Lab Sample ID: 480-224877-24
Date Collected: 10/25/24 13:10
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	730625	AD	EET BUF	10/31/24 18:52

Client Sample ID: DW-10HS
Lab Sample ID: 480-224877-25
Date Collected: 10/25/24 13:35
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		400	730625	AD	EET BUF	10/31/24 19:14

Client Sample ID: DW-10
Lab Sample ID: 480-224877-26
Date Collected: 10/25/24 14:30
Matrix: Water
Date Received: 10/25/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	730625	AD	EET BUF	10/31/24 19:36

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-224877-1

Client Sample ID: 19-01(1)

Date Collected: 10/25/24 14:20
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	730625	AD	EET BUF	10/31/24 19:59
Total/NA	Analysis	RSK-175		110	730194	JLS	EET BUF	10/29/24 15:40
Total/NA	Analysis	9056A		20	730926	AF	EET BUF	11/04/24 04:19
Total/NA	Analysis	SM 5310C		100	731159	AF	EET BUF	11/03/24 18:17

Client Sample ID: 89-15(1)

Date Collected: 10/25/24 10:10
Date Received: 10/25/24 16:25

Lab Sample ID: 480-224877-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	730625	AD	EET BUF	10/31/24 20:21
Total/NA	Analysis	RSK-175		22	730383	JLS	EET BUF	10/30/24 09:53
Total/NA	Analysis	RSK-175	DL	110	730383	JLS	EET BUF	10/30/24 10:12
Total/NA	Analysis	9056A		10	730926	AF	EET BUF	11/04/24 04:33
Total/NA	Analysis	SM 5310C		10	731376	AF	EET BUF	11/05/24 16:38

Laboratory References:

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
9056A	Anions, Ion Chromatography	SW846	EET BUF
SM 5310C	TOC	SM	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224877-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224877-1	EW-8	Water	10/24/24 09:40	10/25/24 16:25
480-224877-2	17-01(1)	Water	10/24/24 09:45	10/25/24 16:25
480-224877-3	87-22(1)HS	Water	10/24/24 10:35	10/25/24 16:25
480-224877-4	87-22(1)	Water	10/24/24 11:45	10/25/24 16:25
480-224877-5	87-08(1)	Water	10/24/24 13:45	10/25/24 16:25
480-224877-6	B-8(0)	Water	10/24/24 14:40	10/25/24 16:25
480-224877-7	87-04(1)	Water	10/24/24 11:15	10/25/24 16:25
480-224877-8	17-04(1)	Water	10/24/24 12:20	10/25/24 16:25
480-224877-9	DW-9	Water	10/24/24 16:10	10/25/24 16:25
480-224877-10	B-10A(1)	Water	10/24/24 16:25	10/25/24 16:25
480-224877-11	DUP-02	Water	10/24/24 00:00	10/25/24 16:25
480-224877-12	87-19(1)HS	Water	10/24/24 13:25	10/25/24 16:25
480-224877-15	87-19(1)	Water	10/24/24 14:20	10/25/24 16:25
480-224877-16	FB-2	Water	10/25/24 07:35	10/25/24 16:25
480-224877-17	87-14(1)	Water	10/25/24 10:40	10/25/24 16:25
480-224877-18	87-13(1)	Water	10/25/24 11:20	10/25/24 16:25
480-224877-19	87-14(0)	Water	10/25/24 11:40	10/25/24 16:25
480-224877-20	87-17(1)HS	Water	10/25/24 12:50	10/25/24 16:25
480-224877-21	87-17(1)	Water	10/25/24 13:45	10/25/24 16:25
480-224877-22	TRIP BLANK-02	Water	10/09/24 00:00	10/25/24 16:25
480-224877-23	87-16(1)	Water	10/25/24 12:20	10/25/24 16:25
480-224877-24	87-13(3)	Water	10/25/24 13:10	10/25/24 16:25
480-224877-25	DW-10HS	Water	10/25/24 13:35	10/25/24 16:25
480-224877-26	DW-10	Water	10/25/24 14:30	10/25/24 16:25
480-224877-27	19-01(1)	Water	10/25/24 14:20	10/25/24 16:25
480-224877-28	89-15(1)	Water	10/25/24 10:10	10/25/24 16:25

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kevin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	____ of ____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Textron Annual Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			Job / SDG No.:
P O # OS 221984	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
EW-8	10/24/24	0940	G	W	3	N	N	x				
17-01(1)		0945	G	W	10	N	N	x	X	X	X	
87-22(1) HS		1035	G	W	3	N	N	x				
87-22(1)		1145	G	W	3	N	N	x				
87-08(1)		1345	G	W	3	N	N	x				
B-8(0)		1440	G	W	3	N	N	x				
87-04(1)		1115	G	W	10	N	N	x	X	X	X	
17-04(1)		1220	G	W	10	N	N	x	X	X	X	
87-19(1)		1115	G	W	10	N	N	x	X	X	X	KC
DW-9		1610	G	W	10	N	N	x	X	X	X	
B-10A(1)		1625	G	W	10	N	N	x	X	X	X	
DUP-02	10/24/24	—	G	W	3	N	N	x				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples

☐ Return to Client ☐ Disposal by Lab

480-224877 Chain of Custody

Special Instructions/QC Requirements & Comments:

3,9 28 IR#SCJCE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____	Therm ID No.: ____
Relinquished by:	Company: APTIM	Date/Time: 10/25/24 1625	Received by:	Company: Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company: Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: THS Date/Time: 10/25/24 1625

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins

Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kevin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	____ of ____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Textron Annual Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			Job / SDG No.:
P O # OS 221984	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
87-19(1) HS	10/24/24	1325	G	W	3	N	N	x				
89-14(0)		1235	G	W	3	N	N	x				
89-14(1)		1230	G	W	3	N	N	x				
87-19(1)	10/24/24	1420	G	W	3	N	N	x				
FB-2	10/25/24	0735	G	W	3	N	N	x				DBS PROBE
87-14(1)		1040	G	W	10	N	N	x	X	X	X	
87-13(1)		1120	G	W	10	N	N	x	X	X	X	
87-14(0)		1140	G	W	3	N	N	x				
87-17(1) HS		1250	G	W	3	N	N	x				
87-17(1)		1345	G	W	3	N	N	x				
87-17(1) MS/MSD		1345	G	W	6	N	N	x				
TRIP BLANK-02	10/9/24	-	G	W	3	N	N	x				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____	Therm ID No.: ____
Relinquished by: Kevin Cronin	Company: APTIM	Date/Time: 10/25/24 1625	Received by:	Company: / Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company: / Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TMB / Date/Time: 10/25/24 1625

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

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Environment Testing
TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kevin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	_____ of _____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron Annual Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
P O # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C_(MOD) Client Specific List	SM 5310C_TOC	RSK-175_Methane, Ethane, Ethene	9056A_Sulfate	Sample Specific Notes:
87-16(1)	10/25/24	1220	G	W	10	N	N	x	X	X	X	
87-13(3)		1310	G	W	3	N	N	x				
DW-10 HS		1335	G	W		N	N	x				
DW-10		1430	G	W		N	N	x				
19-01(1)		1420	G	W	10	N	N	x	X	X	X	
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				
			G	W		N	N	x				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: APTIM	Date/Time: 10/25/24 1625	Received by:	Company: Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company: Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAT Date/Time: 10/25/24 1625

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

11/7/2024

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-224877-1

Login Number: 224877
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9 2.8 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 12/20/2024 11:51:01 AM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-226395-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization



Generated
12/20/2024 11:51:01 AM

Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

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

Glossary

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

Job ID: 480-226395-1 Eurofins Buffalo

Job Narrative
480-226395-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/17/2024 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.9°C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-735581 recovered above the upper control limit for Chloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-8(0) (480-226395-5) and TRIP BLANK (480-226395-6).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 87-13(0) (480-226395-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: 87-17(0) (480-226395-4). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-04(0) — Lab Sample ID: 480-226395-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	7.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 87-13(0) — Lab Sample ID: 480-226395-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	8.6	J	20	2.6	ug/L	2		8260C	Total/NA

Client Sample ID: 87-15(0) — Lab Sample ID: 480-226395-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 87-17(0) — Lab Sample ID: 480-226395-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	690		50	16	ug/L	50		8260C	Total/NA
1,1-Dichloroethene	17	J	50	15	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	2500		50	41	ug/L	50		8260C	Total/NA
Trichloroethene	830		50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	180		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: B-8(0) — Lab Sample ID: 480-226395-5

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-226395-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-04(0)
Lab Sample ID: 480-226395-1
Date Collected: 12/16/24 13:15
Matrix: Water
Date Received: 12/17/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/24 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/24 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/18/24 14:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/24 14:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/24 14:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/24 14:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/24 14:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/24 14:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/24 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/24 14:13	1
Acetone	ND		10	3.0	ug/L			12/18/24 14:13	1
Benzene	ND		1.0	0.41	ug/L			12/18/24 14:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/24 14:13	1
Bromoform	ND		1.0	0.26	ug/L			12/18/24 14:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/24 14:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/24 14:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/24 14:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/24 14:13	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/24 14:13	1
Chloroform	ND		1.0	0.34	ug/L			12/18/24 14:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/24 14:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/24 14:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/24 14:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/24 14:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/24 14:13	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/18/24 14:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/24 14:13	1
o-Xylene	ND		1.0	0.76	ug/L			12/18/24 14:13	1
Styrene	ND		1.0	0.73	ug/L			12/18/24 14:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/24 14:13	1
Toluene	ND		1.0	0.51	ug/L			12/18/24 14:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/24 14:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/24 14:13	1
Trichloroethene	**7.4**		1.0	0.46	ug/L			12/18/24 14:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/24 14:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/24 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*12/18/24 14:13*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/18/24 14:13*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*12/18/24 14:13*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/18/24 14:13*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-13(0)
Lab Sample ID: 480-226395-2
Date Collected: 12/17/24 13:20
Matrix: Water
Date Received: 12/17/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			12/18/24 14:37	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/18/24 14:37	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			12/18/24 14:37	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/18/24 14:37	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			12/18/24 14:37	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/18/24 14:37	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/18/24 14:37	2
2-Butanone (MEK)	**8.6**	**J**	20	2.6	ug/L			12/18/24 14:37	2
2-Hexanone	ND		10	2.5	ug/L			12/18/24 14:37	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/18/24 14:37	2
Acetone	ND		20	6.0	ug/L			12/18/24 14:37	2
Benzene	ND		2.0	0.82	ug/L			12/18/24 14:37	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/18/24 14:37	2
Bromoform	ND		2.0	0.52	ug/L			12/18/24 14:37	2
Bromomethane	ND		2.0	1.4	ug/L			12/18/24 14:37	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/18/24 14:37	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/18/24 14:37	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/18/24 14:37	2
Chloroethane	ND		2.0	0.64	ug/L			12/18/24 14:37	2
Chloroform	ND		2.0	0.68	ug/L			12/18/24 14:37	2
Chloromethane	ND		2.0	0.70	ug/L			12/18/24 14:37	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			12/18/24 14:37	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/18/24 14:37	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/18/24 14:37	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/18/24 14:37	2
m,p-Xylene	ND		4.0	1.3	ug/L			12/18/24 14:37	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/18/24 14:37	2
o-Xylene	ND		2.0	1.5	ug/L			12/18/24 14:37	2
Styrene	ND		2.0	1.5	ug/L			12/18/24 14:37	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/18/24 14:37	2
Toluene	ND		2.0	1.0	ug/L			12/18/24 14:37	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/18/24 14:37	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/18/24 14:37	2
Trichloroethene	ND		2.0	0.92	ug/L			12/18/24 14:37	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/18/24 14:37	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/18/24 14:37	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*12/18/24 14:37*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/18/24 14:37*	*2*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/18/24 14:37*	*2*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/18/24 14:37*	*2*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-15(0)
Lab Sample ID: 480-226395-3
Date Collected: 12/17/24 11:40
Matrix: Water
Date Received: 12/17/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/24 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/24 15:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/18/24 15:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/24 15:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/24 15:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/24 15:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/24 15:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/24 15:02	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/24 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/24 15:02	1
Acetone	ND		10	3.0	ug/L			12/18/24 15:02	1
Benzene	ND		1.0	0.41	ug/L			12/18/24 15:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/24 15:02	1
Bromoform	ND		1.0	0.26	ug/L			12/18/24 15:02	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/24 15:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/24 15:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/24 15:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/24 15:02	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/24 15:02	1
Chloroform	ND		1.0	0.34	ug/L			12/18/24 15:02	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/24 15:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/24 15:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/24 15:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/24 15:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/24 15:02	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/18/24 15:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/24 15:02	1
o-Xylene	ND		1.0	0.76	ug/L			12/18/24 15:02	1
Styrene	ND		1.0	0.73	ug/L			12/18/24 15:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/24 15:02	1
Toluene	ND		1.0	0.51	ug/L			12/18/24 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/24 15:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/24 15:02	1
Trichloroethene	**1.4**		1.0	0.46	ug/L			12/18/24 15:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/24 15:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/24 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*12/18/24 15:02*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/18/24 15:02*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*12/18/24 15:02*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/18/24 15:02*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Client Sample ID: 87-17(0)
Lab Sample ID: 480-226395-4
Date Collected: 12/16/24 14:35
Matrix: Water
Date Received: 12/17/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			12/18/24 15:27	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			12/18/24 15:27	50
1,1,2-Trichloro-1,2,2-trifluoroethane	**690**		50	16	ug/L			12/18/24 15:27	50
1,1,2-Trichloroethane	ND		50	12	ug/L			12/18/24 15:27	50
1,1-Dichloroethane	ND		50	19	ug/L			12/18/24 15:27	50
1,1-Dichloroethene	**17**	**J**	50	15	ug/L			12/18/24 15:27	50
1,2-Dichloroethane	ND		50	11	ug/L			12/18/24 15:27	50
2-Butanone (MEK)	ND		500	66	ug/L			12/18/24 15:27	50
2-Hexanone	ND		250	62	ug/L			12/18/24 15:27	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			12/18/24 15:27	50
Acetone	ND		500	150	ug/L			12/18/24 15:27	50
Benzene	ND		50	21	ug/L			12/18/24 15:27	50
Bromodichloromethane	ND		50	20	ug/L			12/18/24 15:27	50
Bromoform	ND		50	13	ug/L			12/18/24 15:27	50
Bromomethane	ND		50	35	ug/L			12/18/24 15:27	50
Carbon disulfide	ND		50	9.5	ug/L			12/18/24 15:27	50
Carbon tetrachloride	ND		50	14	ug/L			12/18/24 15:27	50
Chlorobenzene	ND		50	38	ug/L			12/18/24 15:27	50
Chloroethane	ND		50	16	ug/L			12/18/24 15:27	50
Chloroform	ND		50	17	ug/L			12/18/24 15:27	50
Chloromethane	ND		50	18	ug/L			12/18/24 15:27	50
cis-1,2-Dichloroethene	**2500**		50	41	ug/L			12/18/24 15:27	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			12/18/24 15:27	50
Dibromochloromethane	ND		50	16	ug/L			12/18/24 15:27	50
Ethylbenzene	ND		50	37	ug/L			12/18/24 15:27	50
m,p-Xylene	ND		100	33	ug/L			12/18/24 15:27	50
Methylene Chloride	ND		50	22	ug/L			12/18/24 15:27	50
o-Xylene	ND		50	38	ug/L			12/18/24 15:27	50
Styrene	ND		50	37	ug/L			12/18/24 15:27	50
Tetrachloroethene	ND		50	18	ug/L			12/18/24 15:27	50
Toluene	ND		50	26	ug/L			12/18/24 15:27	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			12/18/24 15:27	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			12/18/24 15:27	50
Trichloroethene	**830**		50	23	ug/L			12/18/24 15:27	50
Vinyl chloride	**180**		50	45	ug/L			12/18/24 15:27	50
Xylenes, Total	ND		100	33	ug/L			12/18/24 15:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*12/18/24 15:27*	*50*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/18/24 15:27*	*50*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*12/18/24 15:27*	*50*
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/18/24 15:27*	*50*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Client Sample ID: B-8(0)
Lab Sample ID: 480-226395-5
Date Collected: 12/17/24 09:45
Matrix: Water
Date Received: 12/17/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/24 13:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/24 13:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/18/24 13:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/24 13:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/24 13:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/24 13:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/24 13:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/24 13:31	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/24 13:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/24 13:31	1
Acetone	ND		10	3.0	ug/L			12/18/24 13:31	1
Benzene	ND		1.0	0.41	ug/L			12/18/24 13:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/24 13:31	1
Bromoform	ND		1.0	0.26	ug/L			12/18/24 13:31	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/24 13:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/24 13:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/24 13:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/24 13:31	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/24 13:31	1
Chloroform	ND		1.0	0.34	ug/L			12/18/24 13:31	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/24 13:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/24 13:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/24 13:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/24 13:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/24 13:31	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/18/24 13:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/24 13:31	1
o-Xylene	ND		1.0	0.76	ug/L			12/18/24 13:31	1
Styrene	ND		1.0	0.73	ug/L			12/18/24 13:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/24 13:31	1
Toluene	ND		1.0	0.51	ug/L			12/18/24 13:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/24 13:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/24 13:31	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/24 13:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/24 13:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/18/24 13:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/18/24 13:31*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/18/24 13:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/18/24 13:31*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-226395-6

Date Collected: 12/17/24 00:00
Matrix: Water
Date Received: 12/17/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/24 13:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/24 13:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/18/24 13:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/24 13:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/24 13:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/24 13:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/24 13:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/24 13:54	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/24 13:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/24 13:54	1
Acetone	ND		10	3.0	ug/L			12/18/24 13:54	1
Benzene	ND		1.0	0.41	ug/L			12/18/24 13:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/24 13:54	1
Bromoform	ND		1.0	0.26	ug/L			12/18/24 13:54	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/24 13:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/24 13:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/24 13:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/24 13:54	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/24 13:54	1
Chloroform	ND		1.0	0.34	ug/L			12/18/24 13:54	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/24 13:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/24 13:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/24 13:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/24 13:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/24 13:54	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/18/24 13:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/24 13:54	1
o-Xylene	ND		1.0	0.76	ug/L			12/18/24 13:54	1
Styrene	ND		1.0	0.73	ug/L			12/18/24 13:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/24 13:54	1
Toluene	ND		1.0	0.51	ug/L			12/18/24 13:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/24 13:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/24 13:54	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/24 13:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/24 13:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/24 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/18/24 13:54*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/18/24 13:54*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/18/24 13:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/18/24 13:54*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-226395-1	87-04(0)	95	102	96	94
480-226395-2	87-13(0)	95	102	97	95
480-226395-3	87-15(0)	92	103	95	96
480-226395-4	87-17(0)	96	97	100	91
480-226395-5	B-8(0)	102	100	98	99
480-226395-6	TRIP BLANK	99	96	98	96
LCS 480-735581/6	Lab Control Sample	95	96	95	97
LCS 480-735594/6	Lab Control Sample	98	98	96	90
MB 480-735581/8	Method Blank	100	97	98	99
MB 480-735594/8	Method Blank	92	97	93	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

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

Lab Sample ID: MB 480-735581/8
Matrix: Water
Analysis Batch: 735581

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/24 12:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/24 12:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/18/24 12:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/24 12:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/24 12:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/24 12:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/24 12:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/24 12:52	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/24 12:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/24 12:52	1
Acetone	ND		10	3.0	ug/L			12/18/24 12:52	1
Benzene	ND		1.0	0.41	ug/L			12/18/24 12:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/24 12:52	1
Bromoform	ND		1.0	0.26	ug/L			12/18/24 12:52	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/24 12:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/24 12:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/24 12:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/24 12:52	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/24 12:52	1
Chloroform	ND		1.0	0.34	ug/L			12/18/24 12:52	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/24 12:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/24 12:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/24 12:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/24 12:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/24 12:52	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/18/24 12:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/24 12:52	1
o-Xylene	ND		1.0	0.76	ug/L			12/18/24 12:52	1
Styrene	ND		1.0	0.73	ug/L			12/18/24 12:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/24 12:52	1
Toluene	ND		1.0	0.51	ug/L			12/18/24 12:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/24 12:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/24 12:52	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/24 12:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/24 12:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/24 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*12/18/24 12:52*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/18/24 12:52*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/18/24 12:52*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/18/24 12:52*	*1*

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

Lab Sample ID: LCS 480-735581/6
Matrix: Water
Analysis Batch: 735581

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	20.7		ug/L		83	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	61 - 148
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 120
2-Butanone (MEK)	125	146		ug/L		116	57 - 140
2-Hexanone	125	141		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Acetone	125	172		ug/L		137	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	22.8		ug/L		91	80 - 122
Bromoform	25.0	22.0		ug/L		88	61 - 132
Bromomethane	25.0	19.9		ug/L		80	55 - 144
Carbon disulfide	25.0	23.5		ug/L		94	59 - 134
Carbon tetrachloride	25.0	19.7		ug/L		79	72 - 134
Chlorobenzene	25.0	23.9		ug/L		95	80 - 120
Chloroethane	25.0	20.1		ug/L		80	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	30.7		ug/L		123	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Dibromochloromethane	25.0	22.5		ug/L		90	75 - 125
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
m,p-Xylene	25.0	23.8		ug/L		95	76 - 122
Methylene Chloride	25.0	24.4		ug/L		97	75 - 124
o-Xylene	25.0	24.0		ug/L		96	76 - 122
Styrene	25.0	24.8		ug/L		99	80 - 120
Tetrachloroethene	25.0	23.4		ug/L		93	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	22.9		ug/L		91	80 - 120
Trichloroethene	25.0	24.3		ug/L		97	74 - 123
Vinyl chloride	25.0	24.1		ug/L		97	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 480-735594/8
Matrix: Water
Analysis Batch: 735594

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/24 13:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/24 13:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/18/24 13:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/24 13:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/24 13:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/24 13:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/24 13:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/24 13:23	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/24 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/24 13:23	1
Acetone	ND		10	3.0	ug/L			12/18/24 13:23	1
Benzene	ND		1.0	0.41	ug/L			12/18/24 13:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/24 13:23	1
Bromoform	ND		1.0	0.26	ug/L			12/18/24 13:23	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/24 13:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/24 13:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/24 13:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/24 13:23	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/24 13:23	1
Chloroform	ND		1.0	0.34	ug/L			12/18/24 13:23	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/24 13:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/24 13:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/24 13:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/24 13:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/24 13:23	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/18/24 13:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/24 13:23	1
o-Xylene	ND		1.0	0.76	ug/L			12/18/24 13:23	1
Styrene	ND		1.0	0.73	ug/L			12/18/24 13:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/24 13:23	1
Toluene	ND		1.0	0.51	ug/L			12/18/24 13:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/24 13:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/24 13:23	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/24 13:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/24 13:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/24 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*12/18/24 13:23*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/18/24 13:23*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*12/18/24 13:23*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/18/24 13:23*	*1*

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

Lab Sample ID: LCS 480-735594/6
Matrix: Water
Analysis Batch: 735594

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.0		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.1		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.2		ug/L		89	61 - 148
1,1,2-Trichloroethane	25.0	23.1		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	22.4		ug/L		89	77 - 120
1,1-Dichloroethene	25.0	22.4		ug/L		89	66 - 127
1,2-Dichloroethane	25.0	22.8		ug/L		91	75 - 120
2-Butanone (MEK)	125	110		ug/L		88	57 - 140
2-Hexanone	125	109		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		85	71 - 125
Acetone	125	116		ug/L		93	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	25.0		ug/L		100	80 - 122
Bromoform	25.0	22.8		ug/L		91	61 - 132
Bromomethane	25.0	22.2		ug/L		89	55 - 144
Carbon disulfide	25.0	21.9		ug/L		88	59 - 134
Carbon tetrachloride	25.0	25.3		ug/L		101	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Chloroethane	25.0	21.1		ug/L		85	69 - 136
Chloroform	25.0	22.4		ug/L		90	73 - 127
Chloromethane	25.0	21.9		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		101	74 - 124
Dibromochloromethane	25.0	22.9		ug/L		92	75 - 125
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
m,p-Xylene	25.0	23.8		ug/L		95	76 - 122
Methylene Chloride	25.0	24.9		ug/L		100	75 - 124
o-Xylene	25.0	23.5		ug/L		94	76 - 122
Styrene	25.0	24.1		ug/L		96	80 - 120
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	22.7		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	21.9		ug/L		88	73 - 127
trans-1,3-Dichloropropene	25.0	23.2		ug/L		93	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Vinyl chloride	25.0	21.7		ug/L		87	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*90*		*80 - 120*

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

GC/MS VOA

Analysis Batch: 735581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226395-5	B-8(0)	Total/NA	Water	8260C	
480-226395-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-735581/8	Method Blank	Total/NA	Water	8260C	
LCS 480-735581/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 735594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226395-1	87-04(0)	Total/NA	Water	8260C	
480-226395-2	87-13(0)	Total/NA	Water	8260C	
480-226395-3	87-15(0)	Total/NA	Water	8260C	
480-226395-4	87-17(0)	Total/NA	Water	8260C	
MB 480-735594/8	Method Blank	Total/NA	Water	8260C	
LCS 480-735594/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Bell Aerospace Textron

Job ID: 480-226395-1

Client Sample ID: 87-04(0)
Date Collected: 12/16/24 13:15
Date Received: 12/17/24 15:25

Lab Sample ID: 480-226395-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	735594	ERS	EET BUF	12/18/24 14:13

Client Sample ID: 87-13(0)
Date Collected: 12/17/24 13:20
Date Received: 12/17/24 15:25

Lab Sample ID: 480-226395-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	735594	ERS	EET BUF	12/18/24 14:37

Client Sample ID: 87-15(0)
Date Collected: 12/17/24 11:40
Date Received: 12/17/24 15:25

Lab Sample ID: 480-226395-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	735594	ERS	EET BUF	12/18/24 15:02

Client Sample ID: 87-17(0)
Date Collected: 12/16/24 14:35
Date Received: 12/17/24 15:25

Lab Sample ID: 480-226395-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		50	735594	ERS	EET BUF	12/18/24 15:27

Client Sample ID: B-8(0)
Date Collected: 12/17/24 09:45
Date Received: 12/17/24 15:25

Lab Sample ID: 480-226395-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	735581	ZN	EET BUF	12/18/24 13:31

Client Sample ID: TRIP BLANK
Date Collected: 12/17/24 00:00
Date Received: 12/17/24 15:25

Lab Sample ID: 480-226395-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	735581	ZN	EET BUF	12/18/24 13:54

Laboratory References:

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226395-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226395-1	87-04(0)	Water	12/16/24 13:15	12/17/24 15:25
480-226395-2	87-13(0)	Water	12/17/24 13:20	12/17/24 15:25
480-226395-3	87-15(0)	Water	12/17/24 11:40	12/17/24 15:25
480-226395-4	87-17(0)	Water	12/16/24 14:35	12/17/24 15:25
480-226395-5	B-8(0)	Water	12/17/24 09:45	12/17/24 15:25
480-226395-6	TRIP BLANK	Water	12/17/24 00:00	12/17/24 15:25

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: KEVIN CRONIN	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-201155-41423.1
Client Contact: Mr. Paul Bauer	Phone: 716-472-0434	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Aptim Environmental & Infrastructure Inc	PWSID:			Job #:
Address: 500 Penn Center Blvd, Suite 1000	Due Date Requested:			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15235	Compliance Project: Δ Yes Δ No			
Phone: 412-858-1594(Tel)	PO #: 221984 OS			
Email: paul.bauer@aptim.com	WO #: 631030389			
Project Name: Bell Aerospace Textron	Project #: 48019873			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
87-04(0)	12/16/24	1315	G	Water			X		
87-13(0)	12/17/24	1320	G	Water			X		
87-15(0)	12/17/24	1140	G	Water			X		
87-17(0)	12/16/24	1435	G	Water			X		
B-8(0)	12/17/24	0945	G	Water			X		
TRIP BLANK			G	WATER			X		

480-226395 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Kevin Cronin	12/17/2024 1525	APTIM		12-17-24 1525	TAB
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.9 ICE ID# SC

Ver: 10/10/2024

12/20/2024

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-226395-1

Login Number: 226395
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

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JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-224935-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Eurofins Buffalo

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

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

Job ID: 480-224935-1 Eurofins Buffalo

Job Narrative
480-224935-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 10/29/2024 1:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

GC/MS VOA
Method 8260C - TCLP: The following sample was diluted to bring the concentration of target analytes within the calibration range: IDW-Water (480-224935-1). Elevated reporting limits (RLs) are provided.

Method 8260C - TCLP: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-730763 and analytical batch 480-730921 recovered outside control limits for the following analytes: Chlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.The associated sample is impacted: IDW-Water (480-224935-1).

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

GC/MS Semi VOA
Method 8270C - TCLP: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: IDW-Water (480-224935-1). The reporting limits (RLs) have been adjusted proportionately.

Method 8270C - TCLP: The following sample was diluted due to color, appearance, and viscosity: IDW-Water (480-224935-1). Elevated reporting limits (RL) are provided.

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

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

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

General Chemistry
Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: IDW-Water (480-224935-1).

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

Client Sample ID: IDW-Water
Lab Sample ID: 480-224935-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.1		0.080	0.037	mg/L	80		8260C	TCLP
Vinyl chloride	0.24		0.080	0.072	mg/L	80		8260C	TCLP
3-Methylphenol	0.033	J	0.50	0.020	mg/L	5		8270C	TCLP
4-Methylphenol	0.033	J	0.50	0.018	mg/L	5		8270C	TCLP
Arsenic	0.032		0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.11		0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.015		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.015	B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.018		0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.029		0.025	0.0087	mg/L	1		6010C	TCLP
Silver	0.0018	J	0.0060	0.0017	mg/L	1		6010C	TCLP
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.12	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.5	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IDW-Water
Lab Sample ID: 480-224935-1

Date Collected: 10/29/24 12:00
Matrix: Water

Date Received: 10/29/24 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.080	0.017	mg/L			11/02/24 16:08	80
2-Butanone (MEK)	ND		0.40	0.11	mg/L			11/02/24 16:08	80
Benzene	ND		0.080	0.033	mg/L			11/02/24 16:08	80
Carbon tetrachloride	ND		0.080	0.022	mg/L			11/02/24 16:08	80
Chlorobenzene	ND	*+	0.080	0.060	mg/L			11/02/24 16:08	80
Chloroform	ND		0.080	0.027	mg/L			11/02/24 16:08	80
Tetrachloroethene	ND		0.080	0.029	mg/L			11/02/24 16:08	80
Trichloroethene	**4.1**		0.080	0.037	mg/L			11/02/24 16:08	80
Vinyl chloride	**0.24**		0.080	0.072	mg/L			11/02/24 16:08	80
1,1-Dichloroethene	ND		0.080	0.023	mg/L			11/02/24 16:08	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*11/02/24 16:08*	*80*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*11/02/24 16:08*	*80*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/02/24 16:08*	*80*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/02/24 16:08*	*80*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.50	0.023	mg/L		11/01/24 13:58	11/04/24 15:36	5
2,4-Dinitrotoluene	ND		0.25	0.021	mg/L		11/01/24 13:58	11/04/24 15:36	5
Hexachlorobenzene	ND		0.25	0.025	mg/L		11/01/24 13:58	11/04/24 15:36	5
Hexachlorobutadiene	ND		0.25	0.034	mg/L		11/01/24 13:58	11/04/24 15:36	5
Hexachloroethane	ND		0.25	0.029	mg/L		11/01/24 13:58	11/04/24 15:36	5
3-Methylphenol	**0.033**	**J**	0.50	0.020	mg/L		11/01/24 13:58	11/04/24 15:36	5
2-Methylphenol	ND		0.25	0.020	mg/L		11/01/24 13:58	11/04/24 15:36	5
4-Methylphenol	**0.033**	**J**	0.50	0.018	mg/L		11/01/24 13:58	11/04/24 15:36	5
Nitrobenzene	ND		0.25	0.014	mg/L		11/01/24 13:58	11/04/24 15:36	5
Pentachlorophenol	ND		0.50	0.11	mg/L		11/01/24 13:58	11/04/24 15:36	5
Pyridine	ND		1.3	0.020	mg/L		11/01/24 13:58	11/04/24 15:36	5
2,4,5-Trichlorophenol	ND		0.25	0.024	mg/L		11/01/24 13:58	11/04/24 15:36	5
2,4,6-Trichlorophenol	ND		0.25	0.030	mg/L		11/01/24 13:58	11/04/24 15:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*25 - 144*	*11/01/24 13:58*	*11/04/24 15:36*	*5*
2-Fluorobiphenyl	*97*		*53 - 126*	*11/01/24 13:58*	*11/04/24 15:36*	*5*
2-Fluorophenol	*55*		*24 - 120*	*11/01/24 13:58*	*11/04/24 15:36*	*5*
Nitrobenzene-d5	*96*		*29 - 129*	*11/01/24 13:58*	*11/04/24 15:36*	*5*
p-Terphenyl-d14	*96*		*33 - 132*	*11/01/24 13:58*	*11/04/24 15:36*	*5*
Phenol-d5	*35*		*10 - 120*	*11/01/24 13:58*	*11/04/24 15:36*	*5*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 17:03	1
PCB-1221	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 17:03	1
PCB-1232	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 17:03	1
PCB-1242	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 17:03	1
PCB-1248	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 17:03	1
PCB-1254	ND		0.50	0.25	ug/L		10/30/24 09:43	10/31/24 17:03	1
PCB-1260	ND		0.50	0.25	ug/L		10/30/24 09:43	10/31/24 17:03	1

Client Sample ID: IDW-Water
Lab Sample ID: 480-224935-1

Date Collected: 10/29/24 12:00
Matrix: Water

Date Received: 10/29/24 13:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*57*		*10 - 145*	*10/30/24 09:43*	*10/31/24 17:03*	*1*
DCB Decachlorobiphenyl	*54*		*10 - 123*	*10/30/24 09:43*	*10/31/24 17:03*	*1*

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.032**		0.015	0.0056	mg/L		11/01/24 09:04	11/04/24 16:02	1
Barium	**0.11**		0.0020	0.00070	mg/L		11/01/24 09:04	11/01/24 22:25	1
Cadmium	**0.015**		0.0020	0.00050	mg/L		11/01/24 09:04	11/01/24 22:25	1
Chromium	**0.015**	**B**	0.0040	0.0010	mg/L		11/01/24 09:04	11/01/24 22:25	1
Lead	**0.018**		0.010	0.0030	mg/L		11/01/24 09:04	11/04/24 16:02	1
Selenium	**0.029**		0.025	0.0087	mg/L		11/01/24 09:04	11/01/24 22:25	1
Silver	**0.0018**	**J**	0.0060	0.0017	mg/L		11/01/24 09:04	11/01/24 22:25	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		11/01/24 11:02	11/01/24 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>176**		50.0	50.0	Degrees F			10/30/24 13:21	1
pH (SW846 9040C)	**8.12**	**HF**	0.100	0.100	SU			11/03/24 10:30	1
Temperature (SW846 9040C)	**19.5**	**HF**	0.00100	0.00100	Degrees C			11/03/24 10:30	1

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
LCS 480-730819/6	Lab Control Sample	93	108	99	91
LCS 480-730921/6	Lab Control Sample	89	108	94	86
MB 480-730819/8	Method Blank	97	115	98	99
MB 480-730921/8	Method Blank	91	110	96	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-224935-1	IDW-Water	97	110	96	91
LB 480-730763/1-A	Method Blank	100	113	101	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(25-144)	(53-126)	(24-120)	(29-129)	(33-132)	(10-120)
LCS 480-730839/2-A	Lab Control Sample	108	92	58	94	100	42
LCSD 480-730839/3-A	Lab Control Sample Dup	107	95	66	101	100	46
MB 480-730839/1-A	Method Blank	82	86	53	83	96	36

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(25-144)	(53-126)	(24-120)	(29-129)	(33-132)	(10-120)
480-224935-1	IDW-Water	96	97	55	96	96	35
LB 480-730761/1-D	Method Blank	91	92	56	89	104	37

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX2	DCBP2								
Lab Sample ID	Client Sample ID	(10-145)	(10-123)								
480-224935-1	IDW-Water	57	54								
LCS 480-730451/2-A	Lab Control Sample	63	84								
LCSD 480-730451/3-A	Lab Control Sample Dup	66	81								
MB 480-730451/1-A	Method Blank	76	100								

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 480-730819/8
Matrix: Water
Analysis Batch: 730819

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			11/01/24 15:01	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			11/01/24 15:01	1
Benzene	ND		0.0010	0.00041	mg/L			11/01/24 15:01	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			11/01/24 15:01	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			11/01/24 15:01	1
Chloroform	ND		0.0010	0.00034	mg/L			11/01/24 15:01	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			11/01/24 15:01	1
Trichloroethene	ND		0.0010	0.00046	mg/L			11/01/24 15:01	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			11/01/24 15:01	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			11/01/24 15:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*11/01/24 15:01*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*11/01/24 15:01*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/01/24 15:01*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/01/24 15:01*	*1*

Lab Sample ID: LCS 480-730819/6
Matrix: Water
Analysis Batch: 730819

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	0.0250	0.0264		mg/L		106	75 - 120
2-Butanone (MEK)	0.125	0.128		mg/L		102	57 - 140
Benzene	0.0250	0.0235		mg/L		94	71 - 124
Carbon tetrachloride	0.0250	0.0242		mg/L		97	72 - 134
Chlorobenzene	0.0250	0.0271		mg/L		108	80 - 120
Chloroform	0.0250	0.0246		mg/L		98	73 - 127
Tetrachloroethene	0.0250	0.0255		mg/L		102	74 - 122
Trichloroethene	0.0250	0.0254		mg/L		101	74 - 123
Vinyl chloride	0.0250	0.0214		mg/L		86	65 - 133
1,1-Dichloroethene	0.0250	0.0234		mg/L		94	66 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*

Lab Sample ID: MB 480-730921/8
Matrix: Water
Analysis Batch: 730921

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			11/02/24 14:57	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			11/02/24 14:57	1
Benzene	ND		0.0010	0.00041	mg/L			11/02/24 14:57	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			11/02/24 14:57	1

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

Lab Sample ID: MB 480-730921/8
Matrix: Water
Analysis Batch: 730921

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.0010	0.00075	mg/L			11/02/24 14:57	1
Chloroform	ND		0.0010	0.00034	mg/L			11/02/24 14:57	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			11/02/24 14:57	1
Trichloroethene	ND		0.0010	0.00046	mg/L			11/02/24 14:57	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			11/02/24 14:57	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			11/02/24 14:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*11/02/24 14:57*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*11/02/24 14:57*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/02/24 14:57*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/02/24 14:57*	*1*

Lab Sample ID: LCS 480-730921/6
Matrix: Water
Analysis Batch: 730921

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	0.0250	0.0266		mg/L		106	75 - 120
2-Butanone (MEK)	0.125	0.104		mg/L		83	57 - 140
Benzene	0.0250	0.0246		mg/L		99	71 - 124
Carbon tetrachloride	0.0250	0.0281		mg/L		112	72 - 134
Chlorobenzene	0.0250	0.0302	*+	mg/L		121	80 - 120
Chloroform	0.0250	0.0245		mg/L		98	73 - 127
Tetrachloroethene	0.0250	0.0292		mg/L		117	74 - 122
Trichloroethene	0.0250	0.0281		mg/L		112	74 - 123
Vinyl chloride	0.0250	0.0216		mg/L		86	65 - 133
1,1-Dichloroethene	0.0250	0.0275		mg/L		110	66 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Toluene-d8 (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*86*		*75 - 123*

Lab Sample ID: LB 480-730763/1-A
Matrix: Water
Analysis Batch: 730819

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			11/01/24 15:38	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			11/01/24 15:38	1
Benzene	ND		0.0010	0.00041	mg/L			11/01/24 15:38	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			11/01/24 15:38	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			11/01/24 15:38	1
Chloroform	ND		0.0010	0.00034	mg/L			11/01/24 15:38	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			11/01/24 15:38	1
Trichloroethene	ND		0.0010	0.00046	mg/L			11/01/24 15:38	1

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

Lab Sample ID: LB 480-730763/1-A
Matrix: Water
Analysis Batch: 730819

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.0010	0.00090	mg/L			11/01/24 15:38	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			11/01/24 15:38	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/01/24 15:38*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*11/01/24 15:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/01/24 15:38*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*11/01/24 15:38*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-730839/1-A
Matrix: Water
Analysis Batch: 731034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 730839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		11/01/24 13:58	11/04/24 13:06	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		11/01/24 13:58	11/04/24 13:06	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		11/01/24 13:58	11/04/24 13:06	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		11/01/24 13:58	11/04/24 13:06	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		11/01/24 13:58	11/04/24 13:06	1
3-Methylphenol	ND		0.010	0.00040	mg/L		11/01/24 13:58	11/04/24 13:06	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		11/01/24 13:58	11/04/24 13:06	1
4-Methylphenol	ND		0.010	0.00035	mg/L		11/01/24 13:58	11/04/24 13:06	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		11/01/24 13:58	11/04/24 13:06	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		11/01/24 13:58	11/04/24 13:06	1
Pyridine	ND		0.025	0.00040	mg/L		11/01/24 13:58	11/04/24 13:06	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		11/01/24 13:58	11/04/24 13:06	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		11/01/24 13:58	11/04/24 13:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*25 - 144*	*11/01/24 13:58*	*11/04/24 13:06*	*1*
2-Fluorobiphenyl	*86*		*53 - 126*	*11/01/24 13:58*	*11/04/24 13:06*	*1*
2-Fluorophenol	*53*		*24 - 120*	*11/01/24 13:58*	*11/04/24 13:06*	*1*
Nitrobenzene-d5	*83*		*29 - 129*	*11/01/24 13:58*	*11/04/24 13:06*	*1*
p-Terphenyl-d14	*96*		*33 - 132*	*11/01/24 13:58*	*11/04/24 13:06*	*1*
Phenol-d5	*36*		*10 - 120*	*11/01/24 13:58*	*11/04/24 13:06*	*1*

Lab Sample ID: LCS 480-730839/2-A
Matrix: Water
Analysis Batch: 731034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0400	0.0274		mg/L		68	42 - 120
2,4-Dinitrotoluene	0.0400	0.0419		mg/L		105	69 - 120
Hexachlorobenzene	0.0400	0.0410		mg/L		103	61 - 120
Hexachlorobutadiene	0.0400	0.0258		mg/L		64	35 - 120
Hexachloroethane	0.0400	0.0241		mg/L		60	33 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-730839/2-A
Matrix: Water
Analysis Batch: 731034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Methylphenol	0.0400	0.0311		mg/L		78	39 - 120
2-Methylphenol	0.0400	0.0323		mg/L		81	39 - 120
4-Methylphenol	0.0400	0.0311		mg/L		78	29 - 131
Nitrobenzene	0.0400	0.0391		mg/L		98	53 - 123
Pentachlorophenol	0.0800	0.0842		mg/L		105	10 - 136
Pyridine	0.0800	0.0558		mg/L		70	10 - 120
2,4,5-Trichlorophenol	0.0400	0.0400		mg/L		100	65 - 126
2,4,6-Trichlorophenol	0.0400	0.0402		mg/L		101	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*108*		*25 - 144*
2-Fluorobiphenyl	*92*		*53 - 126*
2-Fluorophenol	*58*		*24 - 120*
Nitrobenzene-d5	*94*		*29 - 129*
p-Terphenyl-d14	*100*		*33 - 132*
Phenol-d5	*42*		*10 - 120*

Lab Sample ID: LCSD 480-730839/3-A
Matrix: Water
Analysis Batch: 731034

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 730839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0400	0.0304		mg/L		76	42 - 120	10	36
2,4-Dinitrotoluene	0.0400	0.0430		mg/L		107	69 - 120	3	20
Hexachlorobenzene	0.0400	0.0432		mg/L		108	61 - 120	5	15
Hexachlorobutadiene	0.0400	0.0283		mg/L		71	35 - 120	9	44
Hexachloroethane	0.0400	0.0307		mg/L		77	33 - 120	24	46
3-Methylphenol	0.0400	0.0355		mg/L		89	39 - 120	13	30
2-Methylphenol	0.0400	0.0375		mg/L		94	39 - 120	15	27
4-Methylphenol	0.0400	0.0355		mg/L		89	29 - 131	13	24
Nitrobenzene	0.0400	0.0429		mg/L		107	53 - 123	9	24
Pentachlorophenol	0.0800	0.0922		mg/L		115	10 - 136	9	37
Pyridine	0.0800	0.0566		mg/L		71	10 - 120	1	49
2,4,5-Trichlorophenol	0.0400	0.0402		mg/L		100	65 - 126	0	18
2,4,6-Trichlorophenol	0.0400	0.0411		mg/L		103	64 - 120	2	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*107*		*25 - 144*
2-Fluorobiphenyl	*95*		*53 - 126*
2-Fluorophenol	*66*		*24 - 120*
Nitrobenzene-d5	*101*		*29 - 129*
p-Terphenyl-d14	*100*		*33 - 132*
Phenol-d5	*46*		*10 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 480-730761/1-D
Matrix: Water
Analysis Batch: 731034

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 730839

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		11/01/24 13:58	11/04/24 14:46	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		11/01/24 13:58	11/04/24 14:46	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		11/01/24 13:58	11/04/24 14:46	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		11/01/24 13:58	11/04/24 14:46	1
Hexachloroethane	ND		0.020	0.0023	mg/L		11/01/24 13:58	11/04/24 14:46	1
3-Methylphenol	ND		0.040	0.0016	mg/L		11/01/24 13:58	11/04/24 14:46	1
2-Methylphenol	ND		0.020	0.0016	mg/L		11/01/24 13:58	11/04/24 14:46	1
4-Methylphenol	ND		0.040	0.0014	mg/L		11/01/24 13:58	11/04/24 14:46	1
Nitrobenzene	ND		0.020	0.0011	mg/L		11/01/24 13:58	11/04/24 14:46	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		11/01/24 13:58	11/04/24 14:46	1
Pyridine	ND		0.10	0.0016	mg/L		11/01/24 13:58	11/04/24 14:46	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		11/01/24 13:58	11/04/24 14:46	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		11/01/24 13:58	11/04/24 14:46	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*25 - 144*	*11/01/24 13:58*	*11/04/24 14:46*	*1*
2-Fluorobiphenyl	*92*		*53 - 126*	*11/01/24 13:58*	*11/04/24 14:46*	*1*
2-Fluorophenol	*56*		*24 - 120*	*11/01/24 13:58*	*11/04/24 14:46*	*1*
Nitrobenzene-d5	*89*		*29 - 129*	*11/01/24 13:58*	*11/04/24 14:46*	*1*
p-Terphenyl-d14	*104*		*33 - 132*	*11/01/24 13:58*	*11/04/24 14:46*	*1*
Phenol-d5	*37*		*10 - 120*	*11/01/24 13:58*	*11/04/24 14:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-730451/1-A
Matrix: Water
Analysis Batch: 730574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 730451

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 15:31	1
PCB-1221	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 15:31	1
PCB-1232	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 15:31	1
PCB-1242	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 15:31	1
PCB-1248	ND		0.50	0.18	ug/L		10/30/24 09:43	10/31/24 15:31	1
PCB-1254	ND		0.50	0.25	ug/L		10/30/24 09:43	10/31/24 15:31	1
PCB-1260	ND		0.50	0.25	ug/L		10/30/24 09:43	10/31/24 15:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*10 - 145*	*10/30/24 09:43*	*10/31/24 15:31*	*1*
DCB Decachlorobiphenyl	*100*		*10 - 123*	*10/30/24 09:43*	*10/31/24 15:31*	*1*

Lab Sample ID: LCS 480-730451/2-A
Matrix: Water
Analysis Batch: 730574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	4.00	3.44		ug/L		86	62 - 130
PCB-1260	4.00	4.08		ug/L		102	56 - 123

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-730451/2-A
Matrix: Water
Analysis Batch: 730574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730451

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*63*		*10 - 145*
DCB Decachlorobiphenyl	*84*		*10 - 123*

Lab Sample ID: LCSD 480-730451/3-A
Matrix: Water
Analysis Batch: 730574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 730451

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			4.00	3.64		ug/L		91	62 - 130	6	50
PCB-1260			4.00	4.17		ug/L		104	56 - 123	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*66*		*10 - 145*
DCB Decachlorobiphenyl	*81*		*10 - 123*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-730797/2-A
Matrix: Water
Analysis Batch: 731018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 730797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0020	0.00070	mg/L		11/01/24 09:04	11/01/24 22:16	1
Cadmium	ND		0.0020	0.00050	mg/L		11/01/24 09:04	11/01/24 22:16	1
Chromium	0.00106	J	0.0040	0.0010	mg/L		11/01/24 09:04	11/01/24 22:16	1
Selenium	ND		0.025	0.0087	mg/L		11/01/24 09:04	11/01/24 22:16	1
Silver	ND		0.0060	0.0017	mg/L		11/01/24 09:04	11/01/24 22:16	1

Lab Sample ID: MB 480-730797/2-A
Matrix: Water
Analysis Batch: 731161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 730797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/01/24 09:04	11/04/24 15:58	1
Lead	ND		0.010	0.0030	mg/L		11/01/24 09:04	11/04/24 15:58	1

Lab Sample ID: LCS 480-730797/3-A
Matrix: Water
Analysis Batch: 731018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730797

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Barium			1.00	0.942		mg/L		94	80 - 120		
Cadmium			0.500	0.476		mg/L		95	80 - 120		
Chromium			0.500	0.472		mg/L		94	80 - 120		
Selenium			1.00	0.898		mg/L		90	80 - 120		
Silver			0.0500	0.0459		mg/L		92	80 - 120		

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

Lab Sample ID: LCS 480-730797/3-A
Matrix: Water
Analysis Batch: 731161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.942		mg/L		94	80 - 120
Lead	0.500	0.501		mg/L		100	80 - 120

Lab Sample ID: LB 480-730761/1-B
Matrix: Water
Analysis Batch: 731018

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 730797

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0020	0.00070	mg/L		11/01/24 09:04	11/01/24 22:14	1
Cadmium	ND		0.0020	0.00050	mg/L		11/01/24 09:04	11/01/24 22:14	1
Chromium	ND		0.0040	0.0010	mg/L		11/01/24 09:04	11/01/24 22:14	1
Selenium	ND		0.025	0.0087	mg/L		11/01/24 09:04	11/01/24 22:14	1
Silver	ND		0.0060	0.0017	mg/L		11/01/24 09:04	11/01/24 22:14	1

Lab Sample ID: LB 480-730761/1-B
Matrix: Water
Analysis Batch: 731161

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 730797

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/01/24 09:04	11/04/24 15:56	1
Lead	ND		0.010	0.0030	mg/L		11/01/24 09:04	11/04/24 15:56	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-730808/2-A
Matrix: Water
Analysis Batch: 730893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 730808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		11/01/24 11:02	11/01/24 16:00	1

Lab Sample ID: LCS 480-730808/3-A
Matrix: Water
Analysis Batch: 730893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 730808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00680	0.00553		mg/L		81	80 - 120

Lab Sample ID: LB 480-730761/1-C
Matrix: Water
Analysis Batch: 730893

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 730808

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		11/01/24 11:02	11/01/24 15:58	1

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-730430/1
Matrix: Water
Analysis Batch: 730430

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Flashpoint			81.0	81.00		Degrees F		100	97.5 - 102.5		

Method: 9040C - pH

Lab Sample ID: LCS 480-730995/1
Matrix: Water
Analysis Batch: 730995

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.090		SU		101	99 - 101		

Lab Sample ID: 480-224935-1 DU
Matrix: Water
Analysis Batch: 730995

Client Sample ID: IDW-Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.12	HF		8.170		SU				0.6	5
Temperature	19.5	HF		19.80		Degrees C				2	10

GC/MS VOA

Leach Batch: 730763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	1311	
LB 480-730763/1-A	Method Blank	TCLP	Water	1311	

Analysis Batch: 730819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-730763/1-A	Method Blank	TCLP	Water	8260C	730763
MB 480-730819/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730819/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 730921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	8260C	730763
MB 480-730921/8	Method Blank	Total/NA	Water	8260C	
LCS 480-730921/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Leach Batch: 730761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	1311	
LB 480-730761/1-D	Method Blank	TCLP	Water	1311	

Prep Batch: 730839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	3510C	730761
LB 480-730761/1-D	Method Blank	TCLP	Water	3510C	730761
MB 480-730839/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-730839/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-730839/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 731034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	8270C	730839
LB 480-730761/1-D	Method Blank	TCLP	Water	8270C	730839
MB 480-730839/1-A	Method Blank	Total/NA	Water	8270C	730839
LCS 480-730839/2-A	Lab Control Sample	Total/NA	Water	8270C	730839
LCSD 480-730839/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	730839

GC Semi VOA

Prep Batch: 730451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	Total/NA	Water	3510C	
MB 480-730451/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-730451/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-730451/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 730574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	Total/NA	Water	8082A	730451
MB 480-730451/1-A	Method Blank	Total/NA	Water	8082A	730451
LCS 480-730451/2-A	Lab Control Sample	Total/NA	Water	8082A	730451

GC Semi VOA (Continued)

Analysis Batch: 730574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 480-730451/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	730451

Metals

Leach Batch: 730761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	1311	
LB 480-730761/1-B	Method Blank	TCLP	Water	1311	
LB 480-730761/1-C	Method Blank	TCLP	Water	1311	

Prep Batch: 730797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	3010A	730761
LB 480-730761/1-B	Method Blank	TCLP	Water	3010A	730761
MB 480-730797/2-A	Method Blank	Total/NA	Water	3010A	
LCS 480-730797/3-A	Lab Control Sample	Total/NA	Water	3010A	

Prep Batch: 730808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	7470A	730761
LB 480-730761/1-C	Method Blank	TCLP	Water	7470A	730761
MB 480-730808/2-A	Method Blank	Total/NA	Water	7470A	
LCS 480-730808/3-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 730893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	7470A	730808
LB 480-730761/1-C	Method Blank	TCLP	Water	7470A	730808
MB 480-730808/2-A	Method Blank	Total/NA	Water	7470A	730808
LCS 480-730808/3-A	Lab Control Sample	Total/NA	Water	7470A	730808

Analysis Batch: 731018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	6010C	730797
LB 480-730761/1-B	Method Blank	TCLP	Water	6010C	730797
MB 480-730797/2-A	Method Blank	Total/NA	Water	6010C	730797
LCS 480-730797/3-A	Lab Control Sample	Total/NA	Water	6010C	730797

Analysis Batch: 731161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	TCLP	Water	6010C	730797
LB 480-730761/1-B	Method Blank	TCLP	Water	6010C	730797
MB 480-730797/2-A	Method Blank	Total/NA	Water	6010C	730797
LCS 480-730797/3-A	Lab Control Sample	Total/NA	Water	6010C	730797

General Chemistry

Analysis Batch: 730430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	Total/NA	Water	1010A	
LCS 480-730430/1	Lab Control Sample	Total/NA	Water	1010A	

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

General Chemistry

Analysis Batch: 730995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224935-1	IDW-Water	Total/NA	Water	9040C	
LCS 480-730995/1	Lab Control Sample	Total/NA	Water	9040C	
480-224935-1 DU	IDW-Water	Total/NA	Water	9040C	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

Client Sample ID: IDW-Water
Lab Sample ID: 480-224935-1
Date Collected: 10/29/24 12:00
Matrix: Water
Date Received: 10/29/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			730763	SMP	EET BUF	11/01/24 07:08 - 11/01/24 08:47 [1]
TCLP	Analysis	8260C		80	730921	AD	EET BUF	11/02/24 16:08
TCLP	Leach	1311			730761	SMP	EET BUF	11/01/24 07:06 - 11/01/24 08:05 [1]
TCLP	Prep	3510C			730839	LSC	EET BUF	11/01/24 13:58
TCLP	Analysis	8270C		5	731034	JMM	EET BUF	11/04/24 15:36
Total/NA	Prep	3510C			730451	JMP	EET BUF	10/30/24 09:43
Total/NA	Analysis	8082A		1	730574	H9RU	EET BUF	10/31/24 17:03
TCLP	Leach	1311			730761	SMP	EET BUF	11/01/24 07:06 - 11/01/24 08:05 [1]
TCLP	Prep	3010A			730797	EMO	EET BUF	11/01/24 09:04
TCLP	Analysis	6010C		1	731161	BMB	EET BUF	11/04/24 16:02
TCLP	Leach	1311			730761	SMP	EET BUF	11/01/24 07:06 - 11/01/24 08:05 [1]
TCLP	Prep	3010A			730797	EMO	EET BUF	11/01/24 09:04
TCLP	Analysis	6010C		1	731018	BMB	EET BUF	11/01/24 22:25
TCLP	Leach	1311			730761	SMP	EET BUF	11/01/24 07:06 - 11/01/24 08:05 [1]
TCLP	Prep	7470A			730808	ESB	EET BUF	11/01/24 11:02
TCLP	Analysis	7470A		1	730893	ESB	EET BUF	11/01/24 16:02
Total/NA	Analysis	1010A		1	730430	KM	EET BUF	10/30/24 13:21
Total/NA	Analysis	9040C		1	730995	KB	EET BUF	11/03/24 10:30

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Water	Mercury
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	3-Methylphenol
8270C	3510C	Water	4-Methylphenol
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachloroethane
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Pyridine
9040C		Water	Temperature

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET BUF
9040C	pH	SW846	EET BUF
1311	TCLP Extraction	SW846	EET BUF
3010A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224935-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224935-1	IDW-Water	Water	10/29/24 12:00	10/29/24 13:30

10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins

Environment Testing
TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	____ of ____ COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Textron Annual Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
P O # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TCLP VOCs	TCLP SVOCs	TCLP RCRA Metals	pH (corrosivity)	Ignitability/Flashpoint	PCBs	Sample Specific Notes:
IDW - Water	10/29/24	1202	G	W	9	N	N	x	X	X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if sam

☐ Return to Client ☐ Disposal by Lab

480-224935 Chain of Custody

Special Instructions/QC Requirements & Comments:

4.1 ICE IR+ SC

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by: Kenin Cronin	Company: APTIM	Date/Time: 10/29/24 1330	Received by:	Company: TAB	Date/Time: 10-29-24 1330
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-224935-1

Login Number: 224935
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 12/20/2024 10:15:45 AM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-226208-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

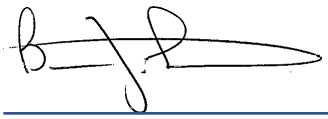
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Job Notes

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

Authorization



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Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

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

Job ID: 480-226208-1 Eurofins Buffalo

Job Narrative
480-226208-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 12/11/2024 1:55 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

GC/MS VOA
Method 8260C - TCLP: The following samples were diluted due to the nature of the TCLP matrix: E-REDOX SOIL (480-226208-1) and (LB 480-735355/1-A). Elevated reporting limits (RLs) are provided.

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

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

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

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

General Chemistry
Method 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: E-REDOX SOIL (480-226208-1).

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

Client Sample ID: E-REDOX SOIL
Lab Sample ID: 480-226208-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.053		0.010	0.0046	mg/L	10		8260C	TCLP
Pyridine	0.0060	J	0.10	0.0016	mg/L	1		8270D	TCLP
PCB-1254	0.34		0.23	0.11	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.34		0.23	0.11	mg/Kg	1	☼	8082A	Total/NA
Arsenic	0.0080	J B	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	1.1		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0019	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.0045	J	0.020	0.0030	mg/L	1		6010C	TCLP
Flashpoint	>180		50.0	50.0	Degrees F	1		1010B	Total/NA
pH	9.3	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	18.7	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: E-REDOX SOIL
Lab Sample ID: 480-226208-1
Date Collected: 12/11/24 11:25
Matrix: Solid
Date Received: 12/11/24 13:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			12/17/24 13:41	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			12/17/24 13:41	10
Benzene	ND		0.010	0.0041	mg/L			12/17/24 13:41	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			12/17/24 13:41	10
Chlorobenzene	ND		0.010	0.0075	mg/L			12/17/24 13:41	10
Chloroform	ND		0.010	0.0034	mg/L			12/17/24 13:41	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			12/17/24 13:41	10
Trichloroethene	**0.053**		0.010	0.0046	mg/L			12/17/24 13:41	10
Vinyl chloride	ND		0.010	0.0090	mg/L			12/17/24 13:41	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			12/17/24 13:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/17/24 13:41*	*10*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/17/24 13:41*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/17/24 13:41*	*10*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*12/17/24 13:41*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		12/17/24 09:01	12/18/24 14:08	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		12/17/24 09:01	12/18/24 14:08	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		12/17/24 09:01	12/18/24 14:08	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		12/17/24 09:01	12/18/24 14:08	1
2-Methylphenol	ND		0.020	0.0016	mg/L		12/17/24 09:01	12/18/24 14:08	1
3-Methylphenol	ND		0.040	0.0016	mg/L		12/17/24 09:01	12/18/24 14:08	1
4-Methylphenol	ND		0.040	0.0014	mg/L		12/17/24 09:01	12/18/24 14:08	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		12/17/24 09:01	12/18/24 14:08	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		12/17/24 09:01	12/18/24 14:08	1
Hexachloroethane	ND		0.020	0.0023	mg/L		12/17/24 09:01	12/18/24 14:08	1
Nitrobenzene	ND		0.020	0.0011	mg/L		12/17/24 09:01	12/18/24 14:08	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		12/17/24 09:01	12/18/24 14:08	1
Pyridine	**0.0060**	**J**	0.10	0.0016	mg/L		12/17/24 09:01	12/18/24 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*25 - 144*	*12/17/24 09:01*	*12/18/24 14:08*	*1*
2-Fluorobiphenyl (Surr)	*87*		*53 - 126*	*12/17/24 09:01*	*12/18/24 14:08*	*1*
2-Fluorophenol (Surr)	*51*		*24 - 120*	*12/17/24 09:01*	*12/18/24 14:08*	*1*
Nitrobenzene-d5 (Surr)	*87*		*29 - 129*	*12/17/24 09:01*	*12/18/24 14:08*	*1*
p-Terphenyl-d14 (Surr)	*97*		*33 - 132*	*12/17/24 09:01*	*12/18/24 14:08*	*1*
Phenol-d5 (Surr)	*36*		*10 - 120*	*12/17/24 09:01*	*12/18/24 14:08*	*1*

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0080**	**J B**	0.015	0.0056	mg/L		12/17/24 08:47	12/17/24 18:15	1
Barium	**1.1**		1.0	0.10	mg/L		12/17/24 08:47	12/17/24 18:15	1
Cadmium	**0.0019**	**J**	0.0020	0.00050	mg/L		12/17/24 08:47	12/17/24 18:15	1
Chromium	ND		0.020	0.010	mg/L		12/17/24 08:47	12/17/24 18:15	1
Lead	**0.0045**	**J**	0.020	0.0030	mg/L		12/17/24 08:47	12/17/24 18:15	1
Selenium	ND		0.025	0.0087	mg/L		12/17/24 08:47	12/17/24 18:15	1
Silver	ND		0.0060	0.0017	mg/L		12/17/24 08:47	12/17/24 18:15	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

Client Sample ID: E-REDOX SOIL
Lab Sample ID: 480-226208-1
Date Collected: 12/11/24 11:25
Matrix: Solid
Date Received: 12/11/24 13:55

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		12/17/24 12:40	12/17/24 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010B)	>180		50.0	50.0	Degrees F			12/13/24 11:00	1
pH (SW846 9045D)	9.3	HF	0.1	0.1	SU			12/19/24 09:30	1
Temperature (SW846 9045D)	18.7	HF	0.001	0.001	Degrees C			12/19/24 09:30	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

Client Sample ID: E-REDOX SOIL
Lab Sample ID: 480-226208-1
Date Collected: 12/11/24 11:25
Matrix: Solid
Date Received: 12/11/24 13:55
Percent Solids: 82.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
PCB-1221	ND		0.23	0.045	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
PCB-1232	ND		0.23	0.045	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
PCB-1242	ND		0.23	0.045	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
PCB-1248	ND		0.23	0.045	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
PCB-1254	**0.34**		0.23	0.11	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
PCB-1262	ND		0.23	0.11	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
PCB-1268	ND		0.23	0.11	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1
Polychlorinated biphenyls, Total	**0.34**		0.23	0.11	mg/Kg	☼	12/12/24 07:32	12/12/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*108*		*60 - 154*	*12/12/24 07:32*	*12/12/24 18:38*	*1*
DCB Decachlorobiphenyl	*117*		*65 - 174*	*12/12/24 07:32*	*12/12/24 18:38*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
LCS 480-735478/6	Lab Control Sample	99	97	100	99
MB 480-735478/8	Method Blank	98	100	99	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-226208-1	E-REDOX SOIL	98	95	97	96
LB 480-735355/1-A	Method Blank	99	98	100	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(25-144)	(53-126)	(24-120)	(29-129)	(33-132)	(10-120)
LCS 480-735481/2-A	Lab Control Sample	105	94	57	92	100	42
LCSD 480-735481/3-A	Lab Control Sample Dup	101	95	57	93	98	42
MB 480-735481/1-A	Method Blank	93	88	53	89	97	38

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(25-144)	(53-126)	(24-120)	(29-129)	(33-132)	(10-120)
480-226208-1	E-REDOX SOIL	97	87	51	87	97	36
LB 480-735353/1-D	Method Blank	98	92	53	91	103	37

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX2	DCBP2								
Lab Sample ID	Client Sample ID	(60-154)	(65-174)								
480-226208-1	E-REDOX SOIL	108	117								
LCS 480-735069/2-A	Lab Control Sample	127	147								
MB 480-735069/1-A	Method Blank	111	127								

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 480-735478/8
Matrix: Solid
Analysis Batch: 735478

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			12/17/24 12:44	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			12/17/24 12:44	1
Benzene	ND		0.0010	0.00041	mg/L			12/17/24 12:44	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			12/17/24 12:44	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			12/17/24 12:44	1
Chloroform	ND		0.0010	0.00034	mg/L			12/17/24 12:44	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			12/17/24 12:44	1
Trichloroethene	ND		0.0010	0.00046	mg/L			12/17/24 12:44	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			12/17/24 12:44	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			12/17/24 12:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/17/24 12:44*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/17/24 12:44*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/17/24 12:44*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*12/17/24 12:44*	*1*

Lab Sample ID: LCS 480-735478/6
Matrix: Solid
Analysis Batch: 735478

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	0.0250	0.0233		mg/L		93	75 - 120
2-Butanone (MEK)	0.125	0.141		mg/L		113	57 - 140
Benzene	0.0250	0.0243		mg/L		97	71 - 124
Carbon tetrachloride	0.0250	0.0203		mg/L		81	72 - 134
Chlorobenzene	0.0250	0.0241		mg/L		96	80 - 120
Chloroform	0.0250	0.0232		mg/L		93	73 - 127
Tetrachloroethene	0.0250	0.0242		mg/L		97	74 - 122
Trichloroethene	0.0250	0.0248		mg/L		99	74 - 123
Vinyl chloride	0.0250	0.0279		mg/L		112	65 - 133
1,1-Dichloroethene	0.0250	0.0242		mg/L		97	66 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: LB 480-735355/1-A
Matrix: Solid
Analysis Batch: 735478

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			12/17/24 13:18	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			12/17/24 13:18	10
Benzene	ND		0.010	0.0041	mg/L			12/17/24 13:18	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			12/17/24 13:18	10

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

Lab Sample ID: LB 480-735355/1-A
Matrix: Solid
Analysis Batch: 735478

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.010	0.0075	mg/L			12/17/24 13:18	10
Chloroform	ND		0.010	0.0034	mg/L			12/17/24 13:18	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			12/17/24 13:18	10
Trichloroethene	ND		0.010	0.0046	mg/L			12/17/24 13:18	10
Vinyl chloride	ND		0.010	0.0090	mg/L			12/17/24 13:18	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			12/17/24 13:18	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/17/24 13:18*	*10*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/17/24 13:18*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/17/24 13:18*	*10*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/17/24 13:18*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-735481/1-A
Matrix: Solid
Analysis Batch: 735597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		12/17/24 09:01	12/18/24 12:23	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		12/17/24 09:01	12/18/24 12:23	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		12/17/24 09:01	12/18/24 12:23	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		12/17/24 09:01	12/18/24 12:23	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		12/17/24 09:01	12/18/24 12:23	1
3-Methylphenol	ND		0.010	0.00040	mg/L		12/17/24 09:01	12/18/24 12:23	1
4-Methylphenol	ND		0.010	0.00035	mg/L		12/17/24 09:01	12/18/24 12:23	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		12/17/24 09:01	12/18/24 12:23	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		12/17/24 09:01	12/18/24 12:23	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		12/17/24 09:01	12/18/24 12:23	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		12/17/24 09:01	12/18/24 12:23	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		12/17/24 09:01	12/18/24 12:23	1
Pyridine	ND		0.025	0.00040	mg/L		12/17/24 09:01	12/18/24 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*25 - 144*	*12/17/24 09:01*	*12/18/24 12:23*	*1*
2-Fluorobiphenyl (Surr)	*88*		*53 - 126*	*12/17/24 09:01*	*12/18/24 12:23*	*1*
2-Fluorophenol (Surr)	*53*		*24 - 120*	*12/17/24 09:01*	*12/18/24 12:23*	*1*
Nitrobenzene-d5 (Surr)	*89*		*29 - 129*	*12/17/24 09:01*	*12/18/24 12:23*	*1*
p-Terphenyl-d14 (Surr)	*97*		*33 - 132*	*12/17/24 09:01*	*12/18/24 12:23*	*1*
Phenol-d5 (Surr)	*38*		*10 - 120*	*12/17/24 09:01*	*12/18/24 12:23*	*1*

Lab Sample ID: LCS 480-735481/2-A
Matrix: Solid
Analysis Batch: 735597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0400	0.0282		mg/L		70	42 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-735481/2-A
Matrix: Solid
Analysis Batch: 735597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735481

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dinitrotoluene			0.0400	0.0418		mg/L		104	69 - 120		
2,4,5-Trichlorophenol			0.0400	0.0406		mg/L		102	65 - 126		
2,4,6-Trichlorophenol			0.0400	0.0401		mg/L		100	64 - 120		
2-Methylphenol			0.0400	0.0343		mg/L		86	39 - 120		
3-Methylphenol			0.0400	0.0332		mg/L		83	39 - 120		
4-Methylphenol			0.0400	0.0332		mg/L		83	29 - 131		
Hexachlorobenzene			0.0400	0.0397		mg/L		99	61 - 120		
Hexachlorobutadiene			0.0400	0.0253		mg/L		63	35 - 120		
Hexachloroethane			0.0400	0.0250		mg/L		62	33 - 120		
Nitrobenzene			0.0400	0.0375		mg/L		94	53 - 123		
Pentachlorophenol			0.0800	0.0832		mg/L		104	10 - 136		
Pyridine			0.0800	0.0532		mg/L		67	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*105*		*25 - 144*
2-Fluorobiphenyl (Surr)	*94*		*53 - 126*
2-Fluorophenol (Surr)	*57*		*24 - 120*
Nitrobenzene-d5 (Surr)	*92*		*29 - 129*
p-Terphenyl-d14 (Surr)	*100*		*33 - 132*
Phenol-d5 (Surr)	*42*		*10 - 120*

Lab Sample ID: LCSD 480-735481/3-A
Matrix: Solid
Analysis Batch: 735597

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 735481

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0400	0.0276		mg/L		69	42 - 120	2	36
2,4-Dinitrotoluene			0.0400	0.0410		mg/L		103	69 - 120	2	20
2,4,5-Trichlorophenol			0.0400	0.0407		mg/L		102	65 - 126	0	18
2,4,6-Trichlorophenol			0.0400	0.0396		mg/L		99	64 - 120	1	19
2-Methylphenol			0.0400	0.0338		mg/L		85	39 - 120	1	27
3-Methylphenol			0.0400	0.0324		mg/L		81	39 - 120	2	30
4-Methylphenol			0.0400	0.0324		mg/L		81	29 - 131	3	24
Hexachlorobenzene			0.0400	0.0399		mg/L		100	61 - 120	1	15
Hexachlorobutadiene			0.0400	0.0235		mg/L		59	35 - 120	7	44
Hexachloroethane			0.0400	0.0231		mg/L		58	33 - 120	8	46
Nitrobenzene			0.0400	0.0378		mg/L		94	53 - 123	1	24
Pentachlorophenol			0.0800	0.0816		mg/L		102	10 - 136	2	37
Pyridine			0.0800	0.0535		mg/L		67	10 - 120	0	49

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*25 - 144*
2-Fluorobiphenyl (Surr)	*95*		*53 - 126*
2-Fluorophenol (Surr)	*57*		*24 - 120*
Nitrobenzene-d5 (Surr)	*93*		*29 - 129*
p-Terphenyl-d14 (Surr)	*98*		*33 - 132*
Phenol-d5 (Surr)	*42*		*10 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 480-735353/1-D
Matrix: Solid
Analysis Batch: 735597

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 735481

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		12/17/24 09:01	12/18/24 13:41	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		12/17/24 09:01	12/18/24 13:41	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		12/17/24 09:01	12/18/24 13:41	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		12/17/24 09:01	12/18/24 13:41	1
2-Methylphenol	ND		0.020	0.0016	mg/L		12/17/24 09:01	12/18/24 13:41	1
3-Methylphenol	ND		0.040	0.0016	mg/L		12/17/24 09:01	12/18/24 13:41	1
4-Methylphenol	ND		0.040	0.0014	mg/L		12/17/24 09:01	12/18/24 13:41	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		12/17/24 09:01	12/18/24 13:41	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		12/17/24 09:01	12/18/24 13:41	1
Hexachloroethane	ND		0.020	0.0023	mg/L		12/17/24 09:01	12/18/24 13:41	1
Nitrobenzene	ND		0.020	0.0011	mg/L		12/17/24 09:01	12/18/24 13:41	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		12/17/24 09:01	12/18/24 13:41	1
Pyridine	ND		0.10	0.0016	mg/L		12/17/24 09:01	12/18/24 13:41	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*25 - 144*	*12/17/24 09:01*	*12/18/24 13:41*	*1*
2-Fluorobiphenyl (Surr)	*92*		*53 - 126*	*12/17/24 09:01*	*12/18/24 13:41*	*1*
2-Fluorophenol (Surr)	*53*		*24 - 120*	*12/17/24 09:01*	*12/18/24 13:41*	*1*
Nitrobenzene-d5 (Surr)	*91*		*29 - 129*	*12/17/24 09:01*	*12/18/24 13:41*	*1*
p-Terphenyl-d14 (Surr)	*103*		*33 - 132*	*12/17/24 09:01*	*12/18/24 13:41*	*1*
Phenol-d5 (Surr)	*37*		*10 - 120*	*12/17/24 09:01*	*12/18/24 13:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-735069/1-A
Matrix: Solid
Analysis Batch: 735119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
PCB-1221	ND		0.25	0.049	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
PCB-1232	ND		0.25	0.049	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
PCB-1242	ND		0.25	0.049	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
PCB-1248	ND		0.25	0.049	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
PCB-1254	ND		0.25	0.12	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
PCB-1260	ND		0.25	0.12	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
PCB-1262	ND		0.25	0.12	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
PCB-1268	ND		0.25	0.12	mg/Kg		12/12/24 07:32	12/12/24 14:58	1
Polychlorinated biphenyls, Total	ND		0.25	0.12	mg/Kg		12/12/24 07:32	12/12/24 14:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*60 - 154*	*12/12/24 07:32*	*12/12/24 14:58*	*1*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*12/12/24 07:32*	*12/12/24 14:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-735069/2-A
Matrix: Solid
Analysis Batch: 735119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735069

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.50	3.20		mg/Kg		128	51 - 185		
PCB-1260			2.50	3.62		mg/Kg		145	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*127*		*60 - 154*
DCB Decachlorobiphenyl	*147*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-735467/2-A
Matrix: Solid
Analysis Batch: 735579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/17/24 08:47	12/17/24 18:05	1
Barium	ND		1.0	0.10	mg/L		12/17/24 08:47	12/17/24 18:05	1
Cadmium	ND		0.0020	0.00050	mg/L		12/17/24 08:47	12/17/24 18:05	1
Chromium	ND		0.020	0.010	mg/L		12/17/24 08:47	12/17/24 18:05	1
Lead	ND		0.020	0.0030	mg/L		12/17/24 08:47	12/17/24 18:05	1
Selenium	ND		0.025	0.0087	mg/L		12/17/24 08:47	12/17/24 18:05	1
Silver	ND		0.0060	0.0017	mg/L		12/17/24 08:47	12/17/24 18:05	1

Lab Sample ID: LCS 480-735467/3-A
Matrix: Solid
Analysis Batch: 735579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735467

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			1.01	0.964		mg/L		96	80 - 120		
Barium			1.00	0.997	J	mg/L		100	80 - 120		
Cadmium			0.500	0.518		mg/L		104	80 - 120		
Chromium			0.499	0.505		mg/L		101	80 - 120		
Lead			0.500	0.532		mg/L		106	80 - 120		
Selenium			1.00	0.956		mg/L		96	80 - 120		
Silver			0.0500	0.0563		mg/L		113	80 - 120		

Lab Sample ID: LB 480-735353/1-B
Matrix: Solid
Analysis Batch: 735579

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 735467

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00665	J	0.015	0.0056	mg/L		12/17/24 08:47	12/17/24 18:03	1
Barium	ND		1.0	0.10	mg/L		12/17/24 08:47	12/17/24 18:03	1
Cadmium	ND		0.0020	0.00050	mg/L		12/17/24 08:47	12/17/24 18:03	1
Chromium	ND		0.020	0.010	mg/L		12/17/24 08:47	12/17/24 18:03	1
Lead	ND		0.020	0.0030	mg/L		12/17/24 08:47	12/17/24 18:03	1
Selenium	ND		0.025	0.0087	mg/L		12/17/24 08:47	12/17/24 18:03	1
Silver	ND		0.0060	0.0017	mg/L		12/17/24 08:47	12/17/24 18:03	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-735508/2-A
Matrix: Solid
Analysis Batch: 735546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		12/17/24 12:40	12/17/24 15:22	1

Lab Sample ID: LCS 480-735508/3-A
Matrix: Solid
Analysis Batch: 735546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735508

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00680	0.00574		mg/L		84	80 - 120		

Lab Sample ID: LB 480-735353/1-F
Matrix: Solid
Analysis Batch: 735546

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 735508

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		12/17/24 12:40	12/17/24 15:21	1

Method: 1010B - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-735270/1
Matrix: Solid
Analysis Batch: 735270

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Flashpoint			81.0	81.00		Degrees F		100	97.5 - 102.5		

Lab Sample ID: 480-226208-1 DU
Matrix: Solid
Analysis Batch: 735270

Client Sample ID: E-REDOX SOIL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Flashpoint	>180			>180.0		Degrees F				NC	10

Method: 9045D - pH

Lab Sample ID: LCS 480-735813/1
Matrix: Solid
Analysis Batch: 735813

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	99 - 101		

GC/MS VOA

Leach Batch: 735355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	1311	
LB 480-735355/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 735478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	8260C	735355
LB 480-735355/1-A	Method Blank	TCLP	Solid	8260C	735355
MB 480-735478/8	Method Blank	Total/NA	Solid	8260C	
LCS 480-735478/6	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 735353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	1311	
LB 480-735353/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 735481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	3510C	735353
LB 480-735353/1-D	Method Blank	TCLP	Solid	3510C	735353
MB 480-735481/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-735481/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-735481/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 735597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	8270D	735481
LB 480-735353/1-D	Method Blank	TCLP	Solid	8270D	735481
MB 480-735481/1-A	Method Blank	Total/NA	Solid	8270D	735481
LCS 480-735481/2-A	Lab Control Sample	Total/NA	Solid	8270D	735481
LCSD 480-735481/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	735481

GC Semi VOA

Prep Batch: 735069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	Total/NA	Solid	3550C	
MB 480-735069/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-735069/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 735119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	Total/NA	Solid	8082A	735069
MB 480-735069/1-A	Method Blank	Total/NA	Solid	8082A	735069
LCS 480-735069/2-A	Lab Control Sample	Total/NA	Solid	8082A	735069

Metals

Leach Batch: 735353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 735353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-735353/1-B	Method Blank	TCLP	Solid	1311	
LB 480-735353/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 735467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	3005A	735353
LB 480-735353/1-B	Method Blank	TCLP	Solid	3005A	735353
MB 480-735467/2-A	Method Blank	Total/NA	Solid	3005A	
LCS 480-735467/3-A	Lab Control Sample	Total/NA	Solid	3005A	

Prep Batch: 735508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	7470A	735353
LB 480-735353/1-F	Method Blank	TCLP	Solid	7470A	735353
MB 480-735508/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-735508/3-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 735546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	7470A	735508
LB 480-735353/1-F	Method Blank	TCLP	Solid	7470A	735508
MB 480-735508/2-A	Method Blank	Total/NA	Solid	7470A	735508
LCS 480-735508/3-A	Lab Control Sample	Total/NA	Solid	7470A	735508

Analysis Batch: 735579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	TCLP	Solid	6010C	735467
LB 480-735353/1-B	Method Blank	TCLP	Solid	6010C	735467
MB 480-735467/2-A	Method Blank	Total/NA	Solid	6010C	735467
LCS 480-735467/3-A	Lab Control Sample	Total/NA	Solid	6010C	735467

General Chemistry

Analysis Batch: 735171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	Total/NA	Solid	Moisture	

Analysis Batch: 735270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	Total/NA	Solid	1010B	
LCS 480-735270/1	Lab Control Sample	Total/NA	Solid	1010B	
480-226208-1 DU	E-REDOX SOIL	Total/NA	Solid	1010B	

Analysis Batch: 735813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226208-1	E-REDOX SOIL	Total/NA	Solid	9045D	
LCS 480-735813/1	Lab Control Sample	Total/NA	Solid	9045D	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

Client Sample ID: E-REDOX SOIL
Lab Sample ID: 480-226208-1

Date Collected: 12/11/24 11:25
Matrix: Solid

Date Received: 12/11/24 13:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			735355	SMP	EET BUF	12/16/24 08:20 - 12/17/24 08:42 [1]
TCLP	Analysis	8260C		10	735478	ZN	EET BUF	12/17/24 13:41
TCLP	Leach	1311			735353	SMP	EET BUF	12/16/24 08:13 - 12/17/24 08:11 [1]
TCLP	Prep	3510C			735481	JMP	EET BUF	12/17/24 09:01
TCLP	Analysis	8270D		1	735597	JMM	EET BUF	12/18/24 14:08
TCLP	Leach	1311			735353	SMP	EET BUF	12/16/24 08:13 - 12/17/24 08:11 [1]
TCLP	Prep	3005A			735467	EMO	EET BUF	12/17/24 08:47
TCLP	Analysis	6010C		1	735579	BMB	EET BUF	12/17/24 18:15
TCLP	Leach	1311			735353	SMP	EET BUF	12/16/24 08:13 - 12/17/24 08:11 [1]
TCLP	Prep	7470A			735508	ESB	EET BUF	12/17/24 12:40
TCLP	Analysis	7470A		1	735546	ESB	EET BUF	12/17/24 15:25
Total/NA	Analysis	1010B		1	735270	KM	EET BUF	12/13/24 11:00
Total/NA	Analysis	9045D		1	735813	CG	EET BUF	12/19/24 09:30
Total/NA	Analysis	Moisture		1	735171	JMM	EET BUF	12/12/24 15:46

Client Sample ID: E-REDOX SOIL
Lab Sample ID: 480-226208-1

Date Collected: 12/11/24 11:25
Matrix: Solid

Date Received: 12/11/24 13:55
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			735069	SMP	EET BUF	12/12/24 07:32
Total/NA	Analysis	8082A		1	735119	W1T	EET BUF	12/12/24 18:38

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8082A	3550C	Solid	Polychlorinated biphenyls, Total
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
1010B	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET BUF
9045D	pH	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1311	TCLP Extraction	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-226208-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226208-1	E-REDOX SOIL	Solid	12/11/24 11:25	12/11/24 13:55

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: K. CROWN	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-201236-41439.1
Client Contact: Mr. Paul Bauer	Phone: 716-472-0434	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Aptim Environmental & Infrastructure Inc	PWSID:			Job #:
Address: 500 Penn Center Blvd, Suite 1000	Due Date Requested:			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15235	Compliance Project: Δ Yes Δ No			
Phone: 412-858-1594(Tel)	PO #: 221984 OS			
Email: paul.bauer@aptim.com	WO #: 631030389			
Project Name: Bell Aerospace Textron - TCLP	Project #: 48019873			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None

Other:

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1010B, 6010C, 7470A, 8082A, 8270D, 9045D	8260C - TCLP Voa	Total Number of containers
			Preservation Code:				N	N	
E-REDOX SOIL	12/11/24	1125	C	Solid			X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if sam
☐ Return To Client ☐ Disposal By Lab

480-226208 Chain of Custody

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: K. Crown	Date/Time: 12/11/24 1355	Company: APTIM	Received by: MS
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time: 12-11-24 1355 Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.0 ICE IR# 5C

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-226208-1

Login Number: 226208

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix F

Data Validation Checklist

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-VOC
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: V. Graves 5/16/2024	Approved by/ Date: KRM 5/20/24

PROJECT INFORMATION

VOLATILE ORGANICS - VOC

Project/Site	**Textron, Bell Aerospace, Wheatfield NY**	Method:	**SW846 8260C**
Location:	**Wheatfield, New York**	Prep:	**NA**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins TestAmerica - Buffalo, NY**	SDG #	**480-218149-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:	**Samples:**		
		89-10 (1)	DUP-1
		87-10 (1)	
☐ Level I Completeness)		DW-9	
X Level II (QC only)		B-10A(1)	
☐ Level III (QC+Calibrations)		87-14 (1)	
☐ Level IV (Full validation)		19-01(1)	
		87-16(1)	
		89-15(1)	

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**No**	**No qualification required**
Field Duplicates	**Yes**	**YES**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**No**	**Yes**
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**Yes**	**NO**	**Yes**
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: VLG **Date** 5/16/2024

Co-Reviewer/Date: KRM **Date** 5/20/2024

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times were met. Samples 87-14 (1) and 19-01 (1) did not meet pH requirement when checked by lab. However, these two samples were analyzed within 7 days of collection which meets the HT criteria for unpreserved samples. No qualification required.

Field Duplicate (FD) Actions and Qualifiers Applied:
Regular field sample and corresponding field duplicate RPDs met QC criteria (<30%).

Surrogate Actions and Qualifiers Applied:
All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

Blank Actions Taken and Qualifiers Applied:
All method blanks were free from contamination. Field blank had detects of methylene chloride and trichloroethene. Methylene chloride result for sample 89-15(1) was qualified J-06E. Trichloroethene result for sample DW-9 was qualified J-06E.

LCS / LCSD ActionsTaken and Qualifiers Applied:
All LCS spike recoveries met in-house control limits. No qualification of the data is required.

MS / MSD ActionsTaken and Qualifiers Applied:
MS/MSD recoveries were outside QC limits for methylene chloride, cis-1,2-Dichlorethene, and trichloroethene. Methylene chloride, cis-1,2-Dichlorethene, and trichloroethene results for sample 87-16(1) were qualified J-08A.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?		No	J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?		No	J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-218149-1	89-10 (1)	89-10 (1)	3/24/2024	GW	HCl pH <2	3/27/2024	200x
480-218149-2	87-10 (1)	87-10 (1)	3/24/2024	GW	HCl pH <2	3/27/2024	10x
480-218149-3	DW-9	DW-9	3/25/2024	GW	HCl pH <2	3/27/2024	1x
480-218149-4	B-10A(1)	B-10A(1)	3/25/2024	GW	HCl pH <2	3/27/2024	**(OS)** 400x
480-218149-5	87-14 (1)	87-14 (1)	3/25/2024	GW	NA	3/27/2024	400x
480-218149-6	19-01(1)	19-01(1)	3/26/2024	GW	NA	3/27/2024	10x
480-218149-7	87-16(1)	87-16(1)	3/26/2024	GW	HCl pH <2	3/28/2024	**(MS/MSD)** 8000x
480-218149-8	89-15(1)	89-15(1)	3/26/2024	GW	HCl pH <2	3/28/2024	2x, Vinyl chloride and cis-1,2-Dichloroethene 8x
480-218149-9	FIELDQC	FIELD BLANK	3/26/2024	WQ	HCl pH <2	3/28/2024	1x
480-218149-10	DUP-1	DUP-1	3/25/2024	GW	HCl pH <2	3/28/2024	**(FD)** 1x, Vinyl chloride,1,1-Dichloroethane, and cis-1,2-Dichloroethene 200x

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times were met. Samples 87-14 (1) and 19-01 (1) did not meet pH requirement when checked by lab. However, these two samples were analyzed within 7 days of collection which meets the HT criteria for unpreserved samples. No qualification required.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:
RPD - Water: **30** Use RPD 30 as default value
RPD - Soil **50** Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
	B-10A (1)		DUP-1			
Vinyl Chloride	9900			9200	7.3	
cis-1,2-Dichloroethene	5000			4600	8.3	
Trichloroethene	ND			15	NC	
1,1-Dichloroethene	ND			32	NC	
trans-1,2-Dichloroethene	ND			90	NC	
Benzene	ND			2.9	NC	
Toluene	ND			4.9	NC	
Ethylbenzene	ND			6.1	NC	
m,p-Xylene	ND			8.7	NC	
o-Xylene	ND			8.1	NC	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

Regular field sample and corresponding field duplicate RPDs met QC criteria (<30%).

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
FIELD BLANK	Field blank	Methylene chloride	0.91J	9.1	89-15(1)
		Trichloroethene	0.93J	4.65	DW-9
MB 480-705259/8	Method Blank	8260 Cmpds	ND		
MB 480-705342/19	Method Blank	8260 Cmpds	ND		
MB 480-705497/8	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

All method blanks were free from contamination. Field blank had detects of methylene chloride and trichloroethene. Methylene chloride result for sample 89-15(1) was qualified J-06E. Trichloroethene result for sample DW-9 was qualified J-06E.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:	LCS - RPD Water:	20	Use RPD 20 as default value
	LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-705259/6	All LCS spike recoveries met in-house control limits.	OK	NA	NA	
LCS 480-705342/6	All LCS spike recoveries met in-house control limits.	OK	NA	NA	
LCS 480-705497/6	All LCS spike recoveries met in-house control limits.	OK	NA	NA	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

All LCS spike recoveries met in-house control limits. No qualification of the data is required.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	Yes		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?		No	J	UJ
All %R within Control Limits?		No	J	UJ/R
Are any recoveries above control limits?	No	R > CL	J	N/A
Are any recoveries below control limits?	Yes	R < CL	J	UJ
Are any recoveries less than minimum limit?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:		
MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		
87-16(1)	Methylene chloride	-59%	-54%	OK	Qualify J-08A
	cis-1,2-Dichloroethene	68%	62%	OK	Qualify J-08A
	Trichloroethene	-29%	-37%	OK	Qualify J-08A

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

MS/MSD recoveries were outside QC limits for methylene chloride, cis-1,2-Dichlorethene, and trichloroethene. Methylene chloride, cis-1,2-Dichlorethene, and trichloroethene results for sample 87-16(1) were qualified J-08A.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA	.	PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data se
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V_{final}}{V_{initial}} \times$ Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S} \times$ Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-GEN-CHEM
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: V. Graves 5/16/2024	Approved by/ Date: KRM 5/20/24

PROJECT INFORMATION

Project/Site	**Textron, Bell Aerospace, Wheatfield NY**	Method:	**TOC; Sulfate**
Location:	**Wheatfield, New York**		
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins TestAmerica - Buffalo, NY**	SDG #	**480-218149-1**

GENERAL CHEMISTRY

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:	**Samples:**		
		89-10 (1)	DUP-1
		87-10 (1)	
☐ Level I Completeness)		DW-9	
X Level II (QC only)		B-10A(1)	
☐ Level III (QC+Calibrations)		87-14 (1)	
☐ Level IV (Full validation)		19-01(1)	
		87-16(1)	
		89-15(1)	

Chain of Custody Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary		**Present:**	**Acceptable**	**Qual for Use**
Hold Times / Preservation		**Yes**	**Yes**	
Field Duplicates		**Yes**	**Yes**	
Method Blanks, etc.		**Yes**	**Yes**	
Calibration Blanks (CCB)		**NA**	**NA**	
LCS/LCSD		**Yes**	**Yes**	
MS/MSD	**Lab internal- Sulfate**	**Yes**	**Yes**	
Initial Calibration		**NA**	**NA**	
Alternate Source Verification (ICV)		**NA**	**NA**	
Continuing Calibrations (CCV)		**NA**	**NA**	
Result Verification / Result Rejection		**NA**	**NA**	

Reviewed by/Date: VLG **Date** 5/16/2024

Co-Reviewer/Date: KRM **Date** 5/20/2024

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **All holding times and preservations were met. No qualification of the data is required.**
Field Duplicate Actions and Qualifiers Applied: **Sulfate and TOC RPDs were <30%. No qualification required.**
Blank Actions Taken and Qualifiers Applied: **Method blanks were free from contamination. No qualification of the data is required.**
ICB / CCB Actions: **NA - for Level II**
LCS / LCSD ActionsTaken and Qualifiers Applied: **LCS met in-house QC criteria. No qualification of the data is required.**
MS / MSD ActionsTaken and Qualifiers Applied: **No MS/MSD collected for this sampling event. Lab internal MS/MSD performed on sample 87-10(1) for sulfate analysis. MS/MSD met in-house QC criteria. No qualification of the data is required.**
ICAL / Second Source (ICV) Actions: **NA - for Level II**
CCV / LLCV Actions:: **NA - for Level II**
Result Verification and Rejection Actions: **NA**

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no breakage?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
Were all Preservation/HT conditions met?	Yes		J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES

Laboratory ID	Location	Field ID	Date Collected	Matrix	Parameter	Sulfate-Analysis Date	TOC-Analysis Date	Comments
480-218149-1	89-10 (1)	89-10 (1)	3/24/2024	GW	Sulfate / TOC	3/27/2024 (10x)	3/30/2024 (5x)	**(OS)**
480-218149-2	87-10 (1)	87-10 (1)	3/24/2024	GW	Sulfate / TOC	3/27/2024 (10x)	3/30/2024	
480-218149-3	DW-9	DW-9	3/25/2024	GW	Sulfate / TOC	3/27/2024 (2x)	3/30/2024	
480-218149-4	B-10A(1)	B-10A(1)	3/25/2024	GW	Sulfate / TOC	3/27/2024 (5x)	3/30/2024	
480-218149-5	87-14 (1)	87-14 (1)	3/25/2024	GW	Sulfate / TOC	3/27/204 (20x)	4/2/2024 (40x)	
480-218149-6	19-01(1)	19-01(1)	3/26/2024	GW	Sulfate / TOC	3/27/204 (20x)	4/2/2024 (100x)	
480-218149-7	87-16(1)	87-16(1)	3/26/2024	GW	Sulfate / TOC	3/27/2024 (10x)	3/30/2024	
480-218149-8	89-15(1)	89-15(1)	3/26/2024	GW	Sulfate / TOC	3/27/2024 (5x)	3/30/2024 (10x)	
480-218149-10	DUP-1	DUP-1	3/25/2024	GW	Sulfate / TOC	3/27/2024 (5x)	3/30/2024	**(FD)**

HOLD TIME ACTIONS:

Method	HT / Preservation	Date sampled	Date Analyzed	Samples > HT	Comments:

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservations were met. No qualification of the data is required.

RECOMMENDED PRESERVATION AND HOLD TIMES FOR COMMON PARAMETERS:

GW	Method	Parameter	Hold Time/Preservation
	310.2	Alkalinity	Cool 4C, 14 days
	350.1	Ammonia	Cool 4C, 28 days
	405.1	BOD	6 hrs on receipt at lab
	325.2	Chloride	Cool 4C, 28 days
	410.4	COD	Cool 4C, 28 days
	SM2510B	Conductivity	6 hrs on receipt at lab
	9010C	Cyanide	Cool 4C, 14 days
	340.2	Fluoride	Cool 4C, 28 days
	130.2	Hardness	180 days, pH<2 HNO3
	1664A	HEM (Oil Grease)	Cool 4C, 28 days
	353.2	Nitrate/Nitrite	Cool 4C, 28 days
	354.1	Nitrite	Cool 4C, 48 hours
	365.2	ortho-Phosphate	Cool 4C, 48 hours
	9040C	pH	6 hrs on receipt at lab
	420.1	Phenols	28 days pH<2 H2SO4
	375.4	Sulfate	Cool 4C, 28 days
	376.1	Sulfide	7-days zinc acetate, pH>9
	160.1	TDS	Cool 4C, 7 days
	351.2	TKN	Cool 4C, 28 days
	415.1	TOC	28 days pH<2
	365.4	total P	Cool 4C, 28 days
	160.2	TSS	Cool 4C, 7 days
	SM3500Cr-B-D7196A	Cr+6	Cool 4C, 24 hrs
SOLIDS	**Method**	**Parameter**	**Hold Time/Preservation**
	9010C	Cyanide	Cool 4C, 28 days
	SW1010	Flashpoint	Cool 4C
	SW9095	PaintFltrTest	Cool 4C, 14 days
	SW9045D	pH (solids)	6 hrs on receipt at lab
	420.1	Phenols	Cool 4C, 14 days
	SW9030B	Sulfide (reactive)	Cool 4C, 28 days
	Lloyd Kahn(mod)	TOC	28 days, Cool 4C
	SW5050	Total Halides	Cool 4C, 28 days

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?	Yes		J	UJ
Results agree with raw data? (Level IV only)	NA		PJ	PJ

Project-assigned FD Limits: RPD Water: **30** Use RPD 30 as default value
RPD Soil **50** Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Analyte	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
Sulfate	B-10A (1)	158	DUP-1	157	0.63	
TOC	B-10A (1)	4.5	DUP-1	4.6	2.20	

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

Sulfate and TOC RPDs were <30%. No qualification required.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (ER, MB)		No, but qualification not required.	< AL-U	N/A
Sample results ND or > blank action levels?	Yes	.	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep		Matrix	Analyte	Conc.	Action 5 X	Comments
BLK /Date	Blank Type					
MB 480-705222/4	MB	GW	Sulfate	ND		
MB 480-705706/28	MB	GW	TOC			3/29/24 @23:56
MB 480-705706/4	MB	GW	TOC			3/29/24 @12:03
MB 480-705706/52	MB	GW	TOC			3/20/24 @11:45
MB 480-706475/4	MB	GW	TOC			4/02/24 @15:06

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Method blanks were free from contamination. No qualification of the data is required.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > UCL	J	None
Are any recoveries below control limits? (biased low)	No	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	No	R < CL	J	R
All RPD within Control Limits? (LCSD only)	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - Water:	20	Use RPD 20 as default value
	LCS - Solid	30	Use RPD 30 as default value
	LCS %R	80-120	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:
LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	Analyte	LCS % Rec	LCSD % Rec	RPD	Associated Project Samples
LCS 480-705222/5	Sulfate	OK	NA	NA	
LCS 480-705706/29	TOC	OK	NA	NA	
LCS 480-705706/5	TOC	OK	NA	NA	
LCS 480-705706/53	TOC	OK	NA	NA	
LCS 480-706475/5	TOC	OK	NA	NA	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

LCS met in-house QC criteria. No qualification of the data is required.

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	Yes		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits?	No	R > UCL	J	N/A
Are any recoveries below control limits?	No	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	No	R < CL	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:			
	MS/MSD - Water:	20	Use RPD 20 as default value
	MS/MSD - Solid	30	Use RPD 30 as default value
	MS/MSD Recovery	80-120	Use 80-120 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	Analyte	MS Recovery	MSD Recovery	RPD	Samples Affected
87-10 (1) (Lab internal)	Sulfate	OK	OK	OK	

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

No MS/MSD collected for this sampling event. Lab internal MS/MSD performed on sample 87-10(1) for sulfate analysis. MS/MSD met in-house QC criteria. No qualification of the data is required.

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	NA		R	R
Calibration for each instrument?:	NA		R	R
ICAL Correlation Coefficient acceptable?	NA	.	J	UJ
ICV (Second-Source) within limits?	NA	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**> 0.995**
%D ICV (Alt Src)	90-110%	**90-110%**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV	
Date	Time	Analyte	.cc	%Rec	Affected Samples

CALIBRATION BLANKS (ICB / CCB)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
ICB analyzed after ICV?	NA		PJ	PJ
CCB analyzed after each CCV?	NA		PJ	PJ
ICB/CCB free of contamination?	NA	.	U	No action

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. ☐ Yes ☐ No

LIST ALL ICB/CCB WITH REPORTABLE CONCENTRATIONS OF METALS:

Calibration ICB/CCB					Action	
BLK /Date	Time	Matrix	Analyte	Conc.	5 X	Comments

ICB / CCB
NA - for Level II

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	NA		PJ	PJ
CCV performed for every 10 samples?	NA		PJ	PJ
CCV within acceptance limits?	NA	.	J	UJ
LLCV within acceptance limits? (if required)	NA		J	UJ, No actio
LLCV > acceptance limits? (if required)	NA		J	No action
LLCV < acceptance limits? (if required)	NA		J	UJ
All %R verifications acceptable? (level IV only)	NA		PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	> 0.995	**> 0.995**
%D LLCV	90-110%	**90-110%**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		Analyte	CCV %Rec	LLCV %Rec	Affected Samples
Date	Time				

DV Actions based on ICAL, CCAL and Calibration Blank performance:

CCV / LLCV
NA - for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	NA		Note impact on data set
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result
Were all calculations verifiable? (Level IV only)	NA		Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Analyte	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	Analyte	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-MEE
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: V. Graves 5/16/2024	Approved by/ Date: KRM 5/20/24

PROJECT INFORMATION

METHANE, ETHANE, ETHENE

Project/Site	**Textron, Bell Aerospace, Wheatfield NY**	Method:	**RSK-SOP-175**
Location:	**Wheatfield, New York**		
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins TestAmerica - Buffalo, NY**	SDG #	**480-218149-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples: 89-10 (1), DUP-1; 87-10 (1); DW-9; B-10A(1); 87-14 (1); 19-01(1); 87-16(1); 89-15(1)

Chain of Custody Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Present:**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**No**	**No qualification required**
Field Duplicates	**Yes**	**No**	**Yes**
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Alternate Source Verification (ICV)	**NA**	**NA**	
Continuing Calibrations (CCV)	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Result Verification / Result Rejection	**NA**	**NA**	

Reviewed by/Date: VLG **Date** 5/16/2024

Co-Reviewer/Date: KRM **Date** 5/20/2024

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **All hold times were met. No qualification of the data is required. Samples 87-14 (1) and 19-01 (1) did not meet pH requirement when checked by lab. However, these two samples were analyzed within 7 days of collection which meets the HT criteria for unpreserved samples. No qualification required.**
Field Duplicate Actions and Qualifiers Applied: **Ethene RPD was >30%. Ethene result for samples B-10A (1) and DUP-1 were qualified J-17.**
Blank Actions Taken and Qualifiers Applied: **Method blank is free from contamination. No qualification of data is required.**
LCS / LCSD ActionsTaken and Qualifiers Applied: **LCS/LCSD met in-house QC criteria. No qualification of the data is required.**
MS / MSD ActionsTaken and Qualifiers Applied: **NA. No project MS/MSD collected for this analysis.**
ICAL / Second Source (ICV) Actions: **NA**
CCV / LLCV Actions:: **NA**
Result Verification and Rejection Actions: **NA**

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no breakage?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
Were all Preservation/HT conditions met?	Yes		J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes No

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Prep Date	Analysis Date	Comments
480-218149-1	89-10 (1)	89-10 (1)	3/24/2024	GW	pH < 2.0	NA	3/27/2024	**(OS)**
480-218149-2	87-10 (1)	87-10 (1)	3/24/2024	GW	pH < 2.0	NA	3/27/2024	11x
480-218149-3	DW-9	DW-9	3/25/2024	GW	pH < 2.0	NA	3/27/2024	
480-218149-4	B-10A(1)	B-10A(1)	3/25/2024	GW	pH < 2.0	NA	3/27/2024	Ethane 11x, Ethene 11x, Methane 44X
480-218149-5	87-14 (1)	87-14 (1)	3/25/2024	GW	NA	NA	3/27/2024	44x
480-218149-6	19-01(1)	19-01(1)	3/26/2024	GW	NA	NA	3/27/2024	44x
480-218149-7	87-16(1)	87-16(1)	3/26/2024	GW	pH < 2.0	NA	3/27/2024	22x
480-218149-8	89-15(1)	89-15(1)	3/26/2024	GW	pH < 2.0	NA	3/27/2024	22x
480-218149-10	DUP-1	DUP-1	3/25/2024	GW	pH < 2.0	NA	3/27/2024	**(FD)** Methane 44x, Ethene 44x
		.						

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	Temp > 6C	> 14 DAYS	> 28 DAYS
Water	pH < 2.0	---	J/UJ all compounds	R ND / J Positives
	pH > 2.0	---	J/UJ > 7 days	R ND / J Positives

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All hold times were met. No qualification of the data is required. Samples 87-14 (1) and 19-01 (1) did not meet pH requirement when checked by lab. However, these two samples were analyzed within 7 days of collection which meets the HT criteria for unpreserved samples. No qualification required.

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	YES		PJ	PJ
All field RPD within limits?	YES	.	J	UJ
Results agree with raw data? (Level IV only)	NA		PJ	PJ

Project-assigned FD Limits:

RPD Water:	30	Use RPD 30 as default value
RPD Soil	50	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

MEE	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
	B-10A (1)		DUP-1			
Methane		5000		5100	1.98	
Ethane		ND		2.2J	NA	
Ethene		3500		2400	37.29	J-17

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

Ethene RPD was >30%. Ethene result for samples B-10A (1) and DUP-1 were qualified J-17.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (ER, MB)	Yes		< AL-U	N/A
Sample results ND or > blank action levels?	Yes		< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep					Action	
BLK /Date	Blank Type	Matrix	MEE	Conc.	5 X	Comments
3/27/2024	MB 480-705271/3	GW	MEE	ND		

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Method blank is free from contamination. No qualification of data is required.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes	.	J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > UCL	J	None
Are any recoveries below control limits? (biased low)	No	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	No	R < CL	J	R
All RPD within Control Limits? (LCSD only)	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:	LCS - Water:	20	Use RPD 20 as default value
	LCS %R	56-140	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	MEE	LCS % Rec	LCSD % Rec	LCS/LCSD RPD	Associated Project Samples
LCS/LCSD 480-705271/4/5	MEE	OK	OK	OK	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

LCS/LCSD met in-house QC criteria. No qualification of the data is required.

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	No		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	Yes		J	UJ
All %R within Control Limits?		No, but no qualification required.	J	UJ/R
Are any recoveries above control limits?	NA	R > UCL	J	N/A
Are any recoveries below control limits?	NA	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NA	R < CL	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:			
	MS/MSD - Water:	20	Use RPD 20 as default value
	MS/MSD Recovery	56-140	Use 80-120% as default values

Recalculate one or more MS/MSD %R using the following equation. (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	MEE	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA. No project MS/MSD collected for this analysis.

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	NA		R	R
Calibration for each instrument?:	NA		R	R
Minimum of five points?	NA		PJ	PJ
ICAL RSD or Correlation Coefficient acceptable?	NA	.	J	UJ
ICV (Second-Source) within limits?	NA	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**>0.995**
or RSD	30	**30**
%D ICV (Alt Src)	<15%D	**<15%D**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV/Alt Src	
Date	Time	MEE	RSD / .cc	% D	Affected Samples

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	.		PJ	PJ
CCV performed for every 10 samples?			PJ	PJ
CCV within acceptance limits?	.	.	J	UJ
LLCV within acceptance limits? (if required)			J	UJ, No actio
LLCV > acceptance limits? (if required)			J	No action
LLCV < acceptance limits? (if required)			J	UJ
All %R verifications acceptable? (Level IV only)			PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	85-115%	**%D < 15**
%D LLCV	70-130%	**%D < 30**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		MEE	CCV % D	LLCV % D	Affected Samples
Date	Time				

DV Actions based on ICAL and CCAL performance:

ICAL / ICV:
NA

CCV / LLCV
NA

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA	.	Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

MEE	Affected Result	MI Reason	Page	Comments:

Manual Integration Actions:

NA

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	NA		Note impact on data se
Were multiple results reported that require rejection?	NA		Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result
Were all calculations verifiable? (Level IV only)	NA		Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	MEE	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	MEE	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-VOC
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: V. Graves 5/16/2024	Approved by/ Date: KRM 5/20/24

PROJECT INFORMATION

VOLATILE ORGANICS - VOC

Project/Site	**Textron, Bell Aerospace, Wheatfield NY**	Method:	**SW846 8260C**
Location:	**Wheatfield, New York**	Prep:	**NA**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins TestAmerica - Buffalo, NY**	SDG #	**480-218245-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples: 17-01(1), 87-13(1), 17-04(1), 87-04(1)

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**Yes**	
Field Duplicates	**NA**	**NA**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**NA**	**NA**	
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: VLG **Date** 5/16/2024

Co-Reviewer/Date: KRM **Date** 5/20/2024

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times and preservation requirements were met. No qualification required.

Field Duplicate (FD) Actions and Qualifiers Applied:
NA. Field duplicate not collected for this sampling event.

Surrogate Actions and Qualifiers Applied:
All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

Blank Actions Taken and Qualifiers Applied:
Method blank was free from contamination. No qualification required.

LCS / LCSD ActionsTaken and Qualifiers Applied:
All LCS/LCSD spike recoveries and RPDs met in-house control limits. No qualification of the data is required.

MS / MSD ActionsTaken and Qualifiers Applied:
NA. An MS/MSD sample was not collected for this sampling event.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-218245-1	17-01(1)	17-01(1)	3/27/2024	GW	HCl pH <2	4/2/2024	2000x
480-218245-2	87-13(1)	87-13(1)	3/28/2024	GW	HCl pH <2	4/2/2024	100x
480-218245-3	17-04(1)	17-04(1)	3/28/2024	GW	HCl pH <2	4/2/2024	2000x
480-218245-4	87-04(1)	87-04(1)	3/28/2024	GW	HCl pH <2	3/29/2024, 4/2/2024	200x, Methylene chloride 1000x

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met. No qualification required.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
	DW-9		DUP-1			

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA. Field duplicate not collected for this sampling event.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
MB 480-705479/9	Method Blank	8260 Cmpds	ND		
MB 480-705808/8	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Method blank was free from contamination. No qualification required.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - RPD Water:	20	Use RPD 20 as default value
	LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-705479/7	All LCS spike recoveries met in-house control limits.	OK	NA	NA	
LCS 480-705808/6	All LCS spike recoveries met in-house control limits.	OK	OK	OK	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

All LCS/LCSD spike recoveries and RPDs met in-house control limits. No qualification of the data is required.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:	MS/MSD RPD - Water:	20	Use RPD 20 as default value
	MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA. An MS/MSD sample was not collected for this sampling event.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data se
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V\ final}{V\ initial} \times$ Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S} \times$ Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-GEN-CHEM
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: V. Graves 5/16/2024	Approved by/ Date: KRM 5/20/24

PROJECT INFORMATION

Project/Site	**Textron, Bell Aerospace, Wheatfield NY**	Method:	**TOC; Sulfate**
Location:	**Wheatfield, New York**		
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins TestAmerica - Buffalo, NY**	SDG #	**480-218245-1**

GENERAL CHEMISTRY

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:	**Samples:**
	17-01(1)
	87-13(1)
☐ Level I Completeness)	17-04(1)
X Level II (QC only)	87-04(1)
☐ Level III (QC+Calibrations)	
☐ Level IV (Full validation)	

Chain of Custody Documentation		**Complete**	**Acceptable**	**Qual for Use**
		Yes	**Yes**	
QC Completeness Summary		**Present:**	**Acceptable**	**Qual for Use**
Hold Times / Preservation		**Yes**	**Yes**	
Field Duplicates		**NA**	**NA**	
Method Blanks, etc.		**Yes**	**Yes**	
Calibration Blanks (CCB)		**NA**	**NA**	
LCS/LCSD		**Yes**	**Yes**	
MS/MSD	**Lab internal- Sulfate**	**Yes**	**Yes**	
Initial Calibration		**NA**	**NA**	
Alternate Source Verification (ICV)		**NA**	**NA**	
Continuing Calibrations (CCV)		**NA**	**NA**	
Result Verification / Result Rejection		**NA**	**NA**	

Reviewed by/Date: VLG **Date** 5/16/2024

Co-Reviewer/Date: KRM **Date** 5/20/2024

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **All holding times and preservations were met. No qualification of the data is required.**
Field Duplicate Actions and Qualifiers Applied: **NA. Field duplicate not collected for this sampling event.**
Blank Actions Taken and Qualifiers Applied: **Method blanks were free from contamination. No qualification of the data is required.**
ICB / CCB Actions: **NA - for Level II**
LCS / LCSD ActionsTaken and Qualifiers Applied: **LCS met in-house QC criteria. No qualification of the data is required.**
MS / MSD ActionsTaken and Qualifiers Applied: **No MS/MSD collected for this sampling event. Lab internal MS/MSD performed on sample 87-04 (1) for sulfate analysis. MS/MSD met in-house QC criteria. No qualification of the data is required.**
ICAL / Second Source (ICV) Actions: **NA - for Level II**
CCV / LLCV Actions:: **NA - for Level II**
Result Verification and Rejection Actions: **NA**

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no breakage?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
Were all Preservation/HT conditions met?	Yes		J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES

Laboratory ID	Location	Field ID	Date Collected	Matrix	Parameter	Sulfate-Analysis Date	TOC-Analysis Date	Comments
480-218245-1	17-01(1)	17-01(1)	3/27/2024	GW	Sulfate / TOC	3/29/2024 (20X)	3/30/2024 (40x)	
480-218245-2	87-13(1)	87-13(1)	3/28/2024	GW	Sulfate / TOC	3/29/2024 (5X)	4/2/2024 (2x)	
480-218245-3	17-04(1)	17-04(1)	3/28/2024	GW	Sulfate / TOC	3/29/2024 (10X)	3/30/2024 (40x)	
480-218245-4	87-04(1)	87-04(1)	3/28/2024	GW	Sulfate / TOC	3/29/2024 (10X)	3/30/2024 (10x)	

HOLD TIME ACTIONS:

Method	HT / Preservation	Date sampled	Date Analyzed	Samples > HT	Comments:

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservations were met. No qualification of the data is required.

RECOMMENDED PRESERVATION AND HOLD TIMES FOR COMMON PARAMETERS:

GW	Method	Parameter	Hold Time/Preservation
	310.2	Alkalinity	Cool 4C, 14 days
	350.1	Ammonia	Cool 4C, 28 days
	405.1	BOD	6 hrs on receipt at lab
	325.2	Chloride	Cool 4C, 28 days
	410.4	COD	Cool 4C, 28 days
	SM2510B	Conductivity	6 hrs on receipt at lab
	9010C	Cyanide	Cool 4C, 14 days
	340.2	Fluoride	Cool 4C, 28 days
	130.2	Hardness	180 days, pH<2 HNO3
	1664A	HEM (Oil Grease)	Cool 4C, 28 days
	353.2	Nitrate/Nitrite	Cool 4C, 28 days
	354.1	Nitrite	Cool 4C, 48 hours
	365.2	ortho-Phosphate	Cool 4C, 48 hours
	9040C	pH	6 hrs on receipt at lab
	420.1	Phenols	28 days pH<2 H2SO4
	375.4	Sulfate	Cool 4C, 28 days
	376.1	Sulfide	7-days zinc acetate, pH>9
	160.1	TDS	Cool 4C, 7 days
	351.2	TKN	Cool 4C, 28 days
	415.1	TOC	28 days pH<2
	365.4	total P	Cool 4C, 28 days
	160.2	TSS	Cool 4C, 7 days
	SM3500Cr-B-D7196A	Cr+6	Cool 4C, 24 hrs
SOLIDS	**Method**	**Parameter**	**Hold Time/Preservation**
	9010C	Cyanide	Cool 4C, 28 days
	SW1010	Flashpoint	Cool 4C
	SW9095	PaintFltrTest	Cool 4C, 14 days
	SW9045D	pH (solids)	6 hrs on receipt at lab
	420.1	Phenols	Cool 4C, 14 days
	SW9030B	Sulfide (reactive)	Cool 4C, 28 days
	Lloyd Kahn(mod)	TOC	28 days, Cool 4C
	SW5050	Total Halides	Cool 4C, 28 days

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?		No	PJ	PJ
All field RPD within limits?	NA		J	UJ
Results agree with raw data? (Level IV only)	NA		PJ	PJ

Project-assigned FD Limits: RPD Water: **30** Use RPD 30 as default value
RPD Soil **50** Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Analyte	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA. Field duplicate not collected for this sampling event.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (ER, MB)		No, but qualification not required.	< AL-U	N/A
Sample results ND or > blank action levels?	Yes	.	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep		Matrix	Analyte	Conc.	Action 5 X	Comments
BLK /Date	Blank Type					
MB 480-705557/28	MB	GW	Sulfate	ND		
MB 480-705707/28	MB	GW	TOC			3/30/24 @11:44
MB 480-705707/4	MB	GW	TOC			3/30/24 @00:31
MB 480-706475/4	MB	GW	TOC			4/02/24 @15:06

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Method blanks were free from contamination. No qualification of the data is required.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > UCL	J	None
Are any recoveries below control limits? (biased low)	No	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	No	R < CL	J	R
All RPD within Control Limits? (LCSD only)	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - Water:	**20**	Use RPD 20 as default value
	LCS - Solid	**30**	Use RPD 30 as default value
	LCS %R	**80-120**	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:
LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	Analyte	LCS % Rec	LCSD % Rec	RPD	Associated Project Samples
LCS 480-705557/29	Sulfate	OK	NA	NA	
LCS 480-705707/29	TOC	OK	NA	NA	
LCS 480-705707/5	TOC	OK	NA	NA	
LCS 480-706475/4	TOC	OK	NA	NA	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

LCS met in-house QC criteria. No qualification of the data is required.

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	Yes		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits?	No	R > UCL	J	N/A
Are any recoveries below control limits?	No	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	No	R < CL	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:			
	MS/MSD - Water:	20	Use RPD 20 as default value
	MS/MSD - Solid	30	Use RPD 30 as default value
	MS/MSD Recovery	80-120	Use 80-120 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	Analyte	MS Recovery	MSD Recovery	RPD	Samples Affected
87-04 (1) (Lab internal)	Sulfate	OK	OK	OK	

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

No MS/MSD collected for this sampling event. Lab internal MS/MSD performed on sample 87-04 (1) for sulfate analysis. MS/MSD met in-house QC criteria. No qualification of the data is required.

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	NA		R	R
Calibration for each instrument?:	NA		R	R
ICAL Correlation Coefficient acceptable?	NA	.	J	UJ
ICV (Second-Source) within limits?	NA	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**> 0.995**
%D ICV (Alt Src)	90-110%	**90-110%**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV	
Date	Time	Analyte	.cc	%Rec	Affected Samples

CALIBRATION BLANKS (ICB / CCB)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
ICB analyzed after ICV?	NA		PJ	PJ
CCB analyzed after each CCV?	NA		PJ	PJ
ICB/CCB free of contamination?	NA	.	U	No action

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. ☐ Yes ☐ No

LIST ALL ICB/CCB WITH REPORTABLE CONCENTRATIONS OF METALS:

Calibration ICB/CCB					Action	
BLK /Date	Time	Matrix	Analyte	Conc.	5 X	Comments

ICB / CCB
NA - for Level II

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	NA		PJ	PJ
CCV performed for every 10 samples?	NA		PJ	PJ
CCV within acceptance limits?	NA	.	J	UJ
LLCV within acceptance limits? (if required)	NA		J	UJ, No actio
LLCV > acceptance limits? (if required)	NA		J	No action
LLCV < acceptance limits? (if required)	NA		J	UJ
All %R verifications acceptable? (level IV only)	NA		PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	> 0.995	**> 0.995**
%D LLCV	90-110%	**90-110%**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		Analyte	CCV %Rec	LLCV %Rec	Affected Samples
Date	Time				

DV Actions based on ICAL, CCAL and Calibration Blank performance:

CCV / LLCV
NA - for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	NA		Note impact on data set
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result
Were all calculations verifiable? (Level IV only)	NA		Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Analyte	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	Analyte	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-MEE
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: V. Graves 5/16/2024	Approved by/ Date: KRM 5/20/24

PROJECT INFORMATION

METHANE, ETHANE, ETHENE

Project/Site	**Textron, Bell Aerospace, Wheatfield NY**	Method:	**RSK-SOP-175**
Location:	**Wheatfield, New York**		
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins TestAmerica - Buffalo, NY**	SDG #	**480-218245-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completyeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples: 17-01(1), 87-13(1), 17-04(1), 87-04(1)

Chain of Custody Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Present:**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**No**	**No qualification required**
Field Duplicates	**No**	**NA**	
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**No**	**NA**	
Initial Calibration	**NA**	**NA**	
Alternate Source Verification (ICV)	**NA**	**NA**	
Continuing Calibrations (CCV)	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Result Verification / Result Rejection	**NA**	**NA**	

Reviewed by/Date: VLG **Date** 5/16/2024

Co-Reviewer/Date: KRM **Date** 5/20/2024

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **All hold times were met. No qualification of the data is required. Samples 17-04 (1) and 87-04 (1) did not meet pH requirement when checked by lab. However, these two samples were analyzed within 7 days of collection which meets the HT criteria for unpreserved samples. No qualification required.**
Field Duplicate Actions and Qualifiers Applied: **NA. Field duplicate not collected for this sampling event.**
Blank Actions Taken and Qualifiers Applied: **Method blank is free from contamination. No qualification of data is required.**
LCS / LCSD ActionsTaken and Qualifiers Applied: **LCS/LCSD met in-house QC criteria. No qualification of the data is required.**
MS / MSD ActionsTaken and Qualifiers Applied: **NA. An MS/MSD sample was not collected for this sampling event.**
ICAL / Second Source (ICV) Actions: **NA**
CCV / LLCV Actions:: **NA**
Result Verification and Rejection Actions: **NA**

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no breakage?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
Were all Preservation/HT conditions met?	Yes		J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes No

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Prep Date	Analysis Date	Comments
480-218245-1	17-01(1)	17-01(1)	3/27/2024	GW	pH < 2.0	NA	3/29/2024	1x
480-218245-2	87-13(1)	87-13(1)	3/28/2024	GW	pH < 2.0	NA	3/29/2024	44x
480-218245-3	17-04(1)	17-04(1)	3/28/2024	GW	pH < 2.0	NA	3/29/2024	Ethane,Ethene 1x, Methane 44x
480-218245-4	87-04(1)	87-04(1)	3/28/2024	GW	pH < 2.0	NA	3/29/2024	Ethane,Ethene 1x, Methane 44x
		.						

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	Temp > 6C	> 14 DAYS	> 28 DAYS
Water	pH < 2.0	---	J/UJ all compounds	R ND / J Positives
	pH > 2.0	---	J/UJ > 7 days	R ND / J Positives

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All hold times were met. No qualification of the data is required. Samples 17-04 (1) and 87-04 (1) did not meet pH requirement when checked by lab. However, these two samples were analyzed within 7 days of collection which meets the HT criteria for unpreserved samples. No qualification required.

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?		No	PJ	PJ
All field RPD within limits?	NA		J	UJ
Results agree with raw data? (Level IV only)	NA		PJ	PJ

Project-assigned FD Limits:

RPD Water:	30	Use RPD 30 as default value
RPD Soil	50	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

MEE	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA. Field duplicate not collected for this sampling event.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (ER, MB)	Yes		< AL-U	N/A
Sample results ND or > blank action levels?	Yes		< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep					Action	
BLK /Date	Blank Type	Matrix	MEE	Conc.	5 X	Comments
3/29/2024	MB 480-705524/3	GW	MEE	ND		

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Method blank is free from contamination. No qualification of data is required.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes	.	J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > UCL	J	None
Are any recoveries below control limits? (biased low)	No	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	No	R < CL	J	R
All RPD within Control Limits? (LCSD only)	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:	LCS - Water:	20	Use RPD 20 as default value
	LCS %R	56-140	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:
LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	MEE	LCS % Rec	LCSD % Rec	LCS/LCSD RPD	Associated Project Samples
LCS/LCSD 480-705524/4/5	MEE	OK	OK	OK	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

LCS/LCSD met in-house QC criteria. No qualification of the data is required.

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	No		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	Yes		J	UJ
All %R within Control Limits?		No, but no qualification required.	J	UJ/R
Are any recoveries above control limits?	NA	R > UCL	J	N/A
Are any recoveries below control limits?	NA	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NA	R < CL	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:	MS/MSD - Water:	20	Use RPD 20 as default value
	MS/MSD Recovery	56-140	Use 80-120% as default values

Recalculate one or more MS/MSD %R using the following equation. (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	MEE	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA. An MS/MSD sample was not collected for this sampling event.

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	NA		R	R
Calibration for each instrument?:	NA		R	R
Minimum of five points?	NA		PJ	PJ
ICAL RSD or Correlation Coefficient acceptable?	NA	.	J	UJ
ICV (Second-Source) within limits?	NA	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**>0.995**
or RSD	30	**30**
%D ICV (Alt Src)	<15%D	**<15%D**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV/Alt Src	
Date	Time	MEE	RSD / .cc	% D	Affected Samples

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	.		PJ	PJ
CCV performed for every 10 samples?			PJ	PJ
CCV within acceptance limits?	.	.	J	UJ
LLCV within acceptance limits? (if required)			J	UJ, No action
LLCV > acceptance limits? (if required)			J	No action
LLCV < acceptance limits? (if required)			J	UJ
All %R verifications acceptable? (Level IV only)			PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	85-115%	**%D < 15**
%D LLCV	70-130%	**%D < 30**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		MEE	CCV % D	LLCV % D	Affected Samples
Date	Time				

DV Actions based on ICAL and CCAL performance:

ICAL / ICV:
NA

CCV / LLCV
NA

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA	.	Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

MEE	Affected Result	MI Reason	Page	Comments:

Manual Integration Actions:

NA

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	NA		Note impact on data set
Were multiple results reported that require rejection?	NA		Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result
Were all calculations verifiable? (Level IV only)	NA		Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V\ final}{V\ initial}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	MEE	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	MEE	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-VOC
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/25/25	Approved by/ Date: TCR 03/27/25

PROJECT INFORMATION — **VOLATILE ORGANICS - VOC**

Project/Site	**Textron Off-Site Performance Wells**	Method:	**SW846 8260C**
Location:	**Textron Wheatfield**	Prep:	**8030C (Purge amd Trap)**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-219369-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:	**Samples:**
	EW-2
	EW-3
☐ Level I Completeness)	EW-4
X Level II (QC only)	EW-5
☐ Level III (QC+Calibrations)	EW-6
☐ Level IV (Full validation)	93-03(1)
	DUP
	TB

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**Yes**	
Field Duplicates	**Yes**	**NO**	**YES**
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**NO**	**YES**
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**Yes**	**Yes**	
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/25/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times and preservation requirements were met. No qualification required.

Field Duplicate (FD) Actions and Qualifiers Applied:
EW-3 (OS)/DUP (FD): failed RPD criteria for Vinyl chloride, qualified as J-17.

Surrogate Actions and Qualifiers Applied:
All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

Blank Actions Taken and Qualifiers Applied:
Trip Blank detected Carbon disulfide and Methylene chloride. The following samples are qualified as J+/06D for Carbon disulfide: 480-219369-3 and 480-219369-4.

LCS / LCSD ActionsTaken and Qualifiers Applied:
Criteria met, no qualifiers are needed.

MS / MSD ActionsTaken and Qualifiers Applied:
93-03(1) MS/MSD: criteria met, no qualifiers needed.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-219369-1	EW-2	EW-2	4/29/2024	Water	HCl pH <2	5/1/2024	
480-219369-2	EW-3	EW-3	4/29/2024	Water	HCl pH <2	5/1/2024	OS (20x)
480-219369-3	EW-4	EW-4	4/29/2024	Water	HCl pH <2	5/9/2024	
480-219369-4	EW-5	EW-5	4/29/2024	Water	HCl pH <2	5/1/2024	
480-219369-5	EW-6	EW-6	4/29/2024	Water	HCl pH <2	5/1/2024	
480-219369-6	93-03(1)	93-03(1)	4/29/2024	Water	HCl pH <2	5/2/2024	MS/MSD
480-219369-7	DUP	DUP	4/29/2024	Water	HCl pH <2	5/1/24, 5/2/24	FD (1x/40x)
480-219369-8	TB	TB	4/29/2024	Water	HCl pH <2	5/1/2024	TB
Cooler temp: 3.6°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met. No qualification required.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:
RPD - Water: **30** Use RPD 30 as default value
RPD - Soil **50** Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
	EW-3 (20x)		DUP (40x)		#DIV/0!	
cis-1,2-Dichloroethene		260		260	0.00	
Vinyl chloride		1700		1200	34.48	J-17
1,1,1-Trichloroethane		ND at 20	DUP (1x)	13	NC	
1,1-Dichloroethane		16	DUP (1x)	16	0.00	
1,1-Dichloroethene		ND at 20	DUP (1x)	1.3	NC	
Carbon disulfide		ND at 20	DUP (1x)	2.1	NC	
Chloroform		ND at 20	DUP (1x)	0.39	NC	
trans-1,2-dichloroethene		ND at 20	DUP (1x)	5.9	NC	
Trichloroethene		ND at 20	DUP (1x)	3.9	NC	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

EW-3 (OS)/DUP (FD): failed RPD criteria for Vinyl chloride, qualified as J-17.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
TB	TB	Carbon disulfide	0.28 J	1.4	480-219369-3, 4,: J^{+}/06D
		Methylene Chloride	0.66 J	6.6	NA: all samples are non-detect
MB 480-710126/8	Method Blank	8260 Cmpds	ND		
MB 480-710315/8	Method Blank	8260 Cmpds	ND		
MB 480-711212/23	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Trip Blank detected Carbon disulfide and Methylene chloride. The following samples are qualified as J+/06D for Carbon disulfide: 480-219369-3 and 480-219369-4.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:

LCS - RPD Water:	20	Use RPD 20 as default value
LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-710126/6	8260 Compounds	OK	NA	NA	
LCS 480-710315/6	8260 Compounds	OK	NA	NA	
LCS 480-711212/22	8260 Compounds	OK	NA	NA	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers are needed.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		
93-03(1) MS/MSD	8260 Compounds	OK	OK	OK	

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

93-03(1) MS/MSD: criteria met, no qualifiers needed.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data se
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:

Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST		Checklist DV-VOC
			Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron		
	Prepared by/Date: KLR 3/25/25	Approved by/ Date: TCR 03/27/25	

PROJECT INFORMATION

Project/Site	**Textron NCSD Sampling**
Location:	**Textron Wheatfield**
Project Number	**77631037017.00421320**
Laboratory	**Eurofins Buffalo**

VOLATILE ORGANICS - VOC

Method:	**EPA 624**
Prep:	**NA**
SDG #	**480-219379-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples: TRIP BLANK
MH 9-3 LAB COMPOSITE

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**Yes**	
Field Duplicates	**NA**	**NA**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**NA**	**NA**	
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/25/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times and preservation requirements were met. No qualification required.

Field Duplicate (FD) Actions and Qualifiers Applied:
NA. Field duplicate not collected for this sampling event.

Surrogate Actions and Qualifiers Applied:
All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

Blank Actions Taken and Qualifiers Applied:
Method blank was free from contamination. No qualification required.

LCS / LCSD ActionsTaken and Qualifiers Applied:
All LCS/LCSD spike recoveries and RPDs met in-house control limits. No qualification of the data is required.

MS / MSD ActionsTaken and Qualifiers Applied:
NA. An MS/MSD sample was not collected for this sampling event.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-219379-5	Trip Blank	TRIP BLANK	4/29/2024	Water	HCl pH <2	5/1/2024	
480-219379-6	MH 9-3	MH 9-3 LAB COMPOSITE	4/30/2024	Water	HCl pH <2	5/1/2024	
Cooler temp: 4.4°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met. No qualification required.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA. Field duplicate not collected for this sampling event.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
TRIP BLANK	TB	8260 Cmpds	ND		
MB 480-710163/8	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Method blank was free from contamination. No qualification required.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:	LCS - RPD Water:	20	Use RPD 20 as default value
	LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-710163/6	All LCS spike recoveries met in-house control limits.	OK	NA	NA	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

All LCS/LCSD spike recoveries and RPDs met in-house control limits. No qualification of the data is required.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA. An MS/MSD sample was not collected for this sampling event.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data se
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-Metals-CVAFS
		Revision Rev 1
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/25/25	Approved by/ Date: TCR 03/27/25

PROJECT INFORMATION

			METALS - CVAFS
Project/Site	**Textron NCSD Sampling**	Method:	**EPA 1631E-Mercury, Low Level**
Location:	**Textron Wheatfield**	Prep:	**1631E**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Cleveland**	SDG #	**480-219379-1**

Data Validation Requirements: **Project QA Plan** DoD EDQW **EPA NFG** Other Guidance

Validation Acceptance Criteria: **Project QA Plan** **DoD QSM** EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☒ X Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **MH 9-3**

Chain of Custody Documentation

Complete	Acceptable	Qual for Use
YES	YES	

QC Completeness Summary

	Present:	Acceptable	Qual for Use
Hold Times / Preservation	YES	YES	
Field Duplicates	NA	NA	
Method / Prep Blanks, etc.	YES	YES	
ICB / CCB	YES	YES	
LCS/LCSD	YES	YES	
MS/MSD	NA	NA	
Serial Dilution	NA	NA	
Post Digest Spike	NA	NA	
Initial Calibration	NA	NA	
Alternate Source Verification (ICV)	NA	NA	
Continuing Calibration Verifications (CCV)	NA	NA	
Low-level ICV (LLCV)	NA	NA	
Interference Check Sample (ICS)	NA	NA	
Internal Standards	NA	NA	
MS Tuning Sample	NA	NA	
Result Verification / Result Rejection (Stage 3/4 only)	NA	NA	

Reviewed by/Date: KLR **Date:** 3/25/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None; no action required.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **None; no action required.**
ICB / CCB Actions: **NA: not required for Level II**
LCS / LCSD ActionsTaken and Qualifiers Applied: **Criteria met, no qualifier is needed.**
MS / MSD ActionsTaken and Qualifiers Applied: NA: not collected for this data set.
Serial Dilution ActionsTaken and Qualifiers Applied: **NA: not required for Level II**
Post Digest Spike ActionsTaken and Qualifiers Applied: **NA: not required for Level II**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions: **NA: not required for Level II**
Interference Check Sample (ICS) Actions: **NA - not required for Level II**
ICP-MS Internal Standard Actions: **NA - not required for Level II**
ICP-MS Tune Actions: **NA - not required for Level II**
Result Verification and Rejection Actions: **NA - not required for Level II**

PRESERVATION AND HOLDING TIMES

Metals

	YES	NO	RECOMMENDED DV ACTIONS DETECT	RECOMMENDED DV ACTIONS ND
All COC and sample documentation complete?	YES			
All samples received intact, no breakage?	YES			
Preservation requirements met for all samples?	YES			
Hold Times met for all samples?	YES			
Were all Preservation/HT conditions met?	YES			

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Prep. Date	Analysis Date	Comments
480-219379-1	MH 9-3	MH 9-3	4/29/2024	Water	4°C,pH<2	5/3/2025	5/6/2025	
Cooler temp: 4.4°C								

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	HT TO ANALYSIS	RECOMMENDED ACTION
Water-metals	pH < 2.0	>180 days	J/UJ all metals
	unpreserved	J/UJ all metals	J/UJ all metals
Filtered	pH < 2.0	>180 days	J/UJ all metals
	unpreserved	(preserved on receipt)	use professional judgment
Soils-Metals	Cool < 6C	>180 days	J/UJ all metals

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required.

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	NO			
All field RPD within limits?	NA			
Results agree with raw data? (Stage 3/4 only)				

Project-assigned FD Limits: RPD Water: **35** Use RPD 30 as default value
RPD Soil **50** Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Stage 3/4 only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Element	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	YES			
Performed for each batch?	YES			
Field Blanks free of contamination? (ER, MB)	NO			
Sample results ND or > blank action levels?	NO			

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Matrix	Element	Conc.	Action 5 X	Comments
MB 240-611848/1-A	Method Blank	Water	Hg	ND		

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

None; no action required.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES			
All LCS recoveries and RPD acceptable?	YES			
All %R within Control Limits?	YES			
Are any recoveries above control limits? (biased high)				
Are any recoveries below control limits? (biased low)				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits? (LCSD only)				
Calculation of %R/RPD accurate? (Stage 3/4 only)				

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - Water:	**20**	Use RPD 20 as default value
	LCS - Solid	**20**	Use RPD 30 as default value
	LCS %R	**QSM v 5**	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:
LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY C0NTROL SAMPLES OUTSIDE LIMITS:

LCS /LCSD ID	Matrix	Element	% Rec	Associated Project Samples
LCS 280-611848/2-A	Water	Hg	OK	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifier is needed.

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES			
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES			
All %R within Control Limits?	YES			
Are any recoveries above control limits?	.			
Are any recoveries below control limits?				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?	YES			
Calculation of %R and RPD correct? (Stage 3/4 only)				

Check source of MS or MS/MSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:		
MS/MSD - Water:	20	Use RPD 20 as default value
MS/MSD - Solid	30	Use RPD 30 as default value
MS/MSD Recovery	QSM v 5	Use 75-125% as default values

Recalculate one or more MS/MSD %R using the following equation (Stage 3/4 only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Stage 3/4 only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
PDS <10 R all results; J/UJ outside CL.
MS <CL and PDS <75, J positives, R for ND; or MS <CL and PDS > 75 J/UJ.
MS outside CL and MS/PDS <75, J/UJ; MS/PDS > CL, J positives.

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	Element	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

ICP SERIAL DILUTIONS AND POST DIGEST SPIKE

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was serial dilution and/or PDS performed for each batch?	YES			
Do serial dilution results agree within 10% of originals?	YES			
Sample free of negative interference?	YES			
Was PDS %R within limits?	YES			
All %D; %R verified? (Stage 3/4 only)				

Recalculate one or more %D using the following equation (Stage 3/4 only)

$$\%D = \frac{[I - S]}{I} \times 100$$

I = Initial sample result
S = Serial dilution result

Recommended Actions:
If %D > 10% and sample conc > 100x MDL, J/UJ.
Use professional judgment to assess whether matrix interferences are present.

LIST %DIFFERENCES OUTSIDE CONTROL LIMITS (90-110):

Sample ID	Element	Original Result	Dilution Result	%D	Associated Project Samples

ENTER ALL PDS WITH %Rs OUTSIDE 80-120%:

PDS ID	Element	PDS Recovery
CG070-30032	Iron	OK

DV actions based on Serial Dilution and Post Digest Spike performance:

Serial Dilution
NA: not required for Level II

PDS
NA: not required for Level II

INITIAL CALIBRATION AND VERIFICATIONS; (ICAL / ICV) (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES			
Calibration for each instrument?:	YES			
ICAL Correlation Coefficient acceptable?	YES			
ICV (Second-Source) within limits?	YES			
CCV performed for every 10 samples?	YES			
CCV within acceptance limits?	YES			
Performed before sample analysis?	YES			
CRA/CRI or LLCV within acceptance limits?	YES			
CRA/CRI or LLCV > acceptance limits?				
CRA/CRI or LLCV < acceptance limits?				
All %R verifiable? (Stage 3/4 only)				

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**> 0.995**
%D ICV (Alt Src)	90-110%	**90-110%**
%D CCV	90-110%	**90-110%**
%D LLCV	70-130%	**80-120 %**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Stage 3/4 only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration			ICV	CCV	
Instrument	Date	Element	%Rec	%Rec	Affected Samples
23745	9/17/20	Iron	OK	OK	ICAL/LLCV/CCV's all OK

CALIBRATION BLANKS (ICB / CCB) (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
ICB analyzed after ICV?	YES			
CCB analyzed after each CCV?	YES			
ICB/CCB free of contamination?	YES			

Check source of Blank Action criteria applied:

Project QA Plan **DoD QSM** EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes No

LIST ALL ICB/CCB WITH REPORTABLE CONCENTRATIONS OF METALS:

Calibration ICB/CCB					Action	
Cal Blank	Date	Matrix	Element	Conc. (mg/L)	5 X	Comments
ICB/CCB's	9/17/20	Water	Iron			ICB's/CCB's are ND

Recommended Actions:

Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.
Qualify samples for blank interferences using the 5X rule.

DV actions based on ICAL, CCAL and Calibration Blank performance:

ICAL / ICV
NA: not required for Level II

CCV / LLCV
NA: not required for Level II

ICB / CCB
NA: not required for Level II

ICP INTERFERENCE CHECK SAMPLE

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Analyzed at beginning and end of day?	YES			
All ICS A/B Within acceptance limits for true value?	YES			
Any ICS A/B > acceptance limit?				
Any ICS A/B < acceptance limit?				
Are all ICS A/B Recoveries > minimum limit?				

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan **DoD QSM** EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICSA / ICSB	80-120	**80-120**
ICSA A/B Min %R	50%	**50%**

Recalculate one or more ICS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions: (Based on NFG)
Use professional judgment to qualify or reject results if ICSA/B are not present.
Estimate resaults based on high or low bias.
Results are unusable if recoveries are less than minimum levels.

LIST ANY ICS/IS %RECOVERIES OUTSIDE CONTROL LIMITS:

Sample ID	ICS-A Result	ICS A/B Result	%R	Comment
	OK	OK		

DV actions based on ICSA/ICSB Recoveries:

NA - not required for Level II

ICP/MS INTERNAL STANDARDS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Internal stds present in all samples?	YES			
Do IS masses bracket target analytes?	YES			
All areas within relative intensity (RI) of -60% to +125%?	YES			
Was sample reanalyzed at 2X dilution if RI outside limits?				
Was RI outside limits for 2x dilution?				

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
IS relative intensity limits:	-60 - +125	**-60 - +125**

Recommended Actions:

Use professional judgment to qualify results if 2x dilution not performed.

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA:

Sample Number	Internal Standard (Li, Sc, Y, Rh, In, Tb, Ho, Lu, Bi)	% Rec	Comments

DV actions taken based on IS performace:

NA - not required for Level II

ICP-MS INSTRUMENT TUNE (Stage 2B, 3, 4)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for all calibrations?	YES			
Tune performed properly?	YES			
Mass calibrations within 0.1 amu? (Stage 3/4 only)				
% RSD less than 5%? (Stage 3/4 only)				

Recalculate average mass and %RSD using the following equations (Stage 3/4 only)

$$\text{Mean} = \frac{\sum x}{n}$$

x = mass from analysis
n = number of analyses

$$\%\ \text{RSD} = \frac{\sigma_{n-1} \times 100}{x}$$

x = mean
n = number of analyses
σ_{n-1} = std deviation

Recommended Actions:

If tune not performed all results are unusable R.
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).

LIST ANY ICP/MS TUNES OUTSIDE CRITERIA:

Date / Time	ICP/MS ID	Ion Abundances Outside Criteria	Samples Associated to ICP/MS Tune

DV actions taken based on ICP-MS Tune:

NA - not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Stage 2B, 3, 4)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	YES		
Were multiple results reported that require rejection?	NO		
All results within calibration range of instrument?			
Were re-analyses to correct QC failures acceptable?			
Were all calculations verifiable? (Stage 3/4 only)			

Recalculate one or more sample results using calculations below or provided by the lab. (Stage 3/4 only)

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ **x Dilution Factor**

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ **x Dilution Factor**

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	Element	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Stage 3/4 only)

Sample ID	Element	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-VOC
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION — **VOLATILE ORGANICS - VOC**

Project/Site	**Textron Annual Sampling**	Method:	**SW846 8260C**
Location:	**Textron Wheatfield**	Prep:	**5030C (Purge amd Trap)**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-224720-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples:

86-23(B)	DW-12	87-20(1)	87-02(1)
EW-2	DUP-01	87-20(0)	87-02(3)
EW-3	87-10(1)	89-04(1)	EW-7
EW-4	87-10(0)	87-21(1)	EW-13
EW-5	89-10(1)	89-14(1)	TRIP BLANK-01
EW-6	87-01(1)	89-14(0)	
89-12(1)	DW-11	B-14(1)	
93-03(1)	87-20(1)HS	FB-1	

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**NO**	**YES**
Field Duplicates	**Yes**	**Yes**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**NO**	**NO**
MS/MSD	**Yes**	**NO**	**YES**
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date:** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times and preservation requirements were met, with one exception: Sample EW-3 had headspace > 6mm, qualified as J/UJ-01A.

Field Duplicate (FD) Actions and Qualifiers Applied:
(OS)/(FD): met criteria, no qualifiers are needed.

Surrogate Actions and Qualifiers Applied:
All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

Blank Actions Taken and Qualifiers Applied:
Criteria met, no qualifiers are needed.

LCS / LCSD ActionsTaken and Qualifiers Applied:
Failed high for a few analytes, no qualifiers are needed since the recovery is biased high and all associated samples are non-detect for the failing compounds.

MS / MSD ActionsTaken and Qualifiers Applied:
EW-4 MS/MSD: failed high for several analytes and also was outside RPD criteria for several analytes. All failures were biased high and OS was non-detect for these failures, no qualifiers are needed. For the RPD failures, only compounds that have a detectable result are qualified as J 08B: Vinyl chloride and cis-1,2-Dichloroethene. DUP-01 MS/MSD (lab assigned): criteria met.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-224720-1	86-23(B)	86-23(B)	10/22/2024	Water	HCl pH <2	10/26/24	20x
480-224720-2	EW-2	EW-2	10/22/2024	Water	HCl pH <2	10/26/24	
480-224720-3	EW-3	EW-3	10/22/2024	Water	HCl pH <2	10/28/24	20x-J/UJ-01A
480-224720-4	EW-4	EW-4	10/22/2024	Water	HCl pH <2	10/26/24	**MS/MSD**
480-224720-5	EW-5	EW-5	10/22/2024	Water	HCl pH <2	10/26/24	
480-224720-6	EW-6	EW-6	10/22/2024	Water	HCl pH <2	10/26/24	
480-224720-7	89-12(1)	89-12(1)	10/22/2024	Water	HCl pH <2	10/27/24	**OS** (40x)
480-224720-8	93-03(1)	93-03(1)	10/22/2024	Water	HCl pH <2	10/27/24	
480-224720-9	DW-12	DW-12	10/22/2024	Water	HCl pH <2	10/27/24	
480-224720-10	DUP-01	DUP-01	10/22/2024	Water	HCl pH <2	10/27/24	**FD** (200x)
480-224720-11	87-10(1)	87-10(1)	10/22/2024	Water	HCl pH <2	10/27/24	10x
480-224720-12	87-10(0)	87-10(0)	10/22/2024	Water	HCl pH <2	10/27/24	
480-224720-13	89-10(1)	89-10(1)	10/23/2024	Water	HCl pH <2	10/27/24	10x/25x
480-224720-14	87-01(1)	87-01(1)	10/22/2024	Water	HCl pH <2	10/27/24	40x
480-224720-15	DW-11	DW-11	10/22/2024	Water	HCl pH <2	10/27/24	2x
480-224720-16	87-20(1)HS	87-20(1)HS	10/23/2024	Water	HCl pH <2	10/27/24	
480-224720-17	87-20(1)	87-20(1)	10/23/2024	Water	HCl pH <2	10/27/24	2x
480-224720-18	87-20(0)	87-20(0)	10/23/2024	Water	HCl pH <2	10/27/24	
480-224720-19	89-04(1)	89-04(1)	10/23/2024	Water	HCl pH <2	10/27/24	
480-224720-20	87-21(1)	87-21(1)	10/23/2024	Water	HCl pH <2	10/27/24	
480-224720-21	89-14(1)	89-14(1)	10/23/2024	Water	HCl pH <2	10/27/24	2x
480-224720-22	89-14(0)	89-14(0)	10/23/2024	Water	HCl pH <2	10/27/24	2x
480-224720-23	B-14(1)	B-14(1)	10/23/2024	Water	HCl pH <2	10/27/24	4x
480-224720-24	FB-1	FB-1	10/23/2024	Water	HCl pH <2	10/27/24	**FB**
480-224720-25	87-02(1)	87-02(1)	10/23/2024	Water	HCl pH <2	10/27/24	10x
480-224720-26	87-02(3)	87-02(3)	10/23/2024	Water	HCl pH <2	10/27/24	
480-224720-27	EW-7	EW-7	10/23/2024	Water	HCl pH <2	10/27/24	
480-224720-28	EW-13	EW-13	10/23/2024	Water	HCl pH <2	10/27/24	8x
480-224720-29	TRIP BLANK-01	TRIP BLANK-01	10/23/2024	Water	HCl pH <2	10/27/24	**TB**
Cooler temp: 2.7°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met, with one exception: Sample EW-3 had headspace > 6mm, qualified as J/UJ-01A.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

		RECOMMENDED DV ACTIONS	
YES	NO	DETECT	ND
Yes		PJ	PJ
	No	J	UJ
NA		PJ	PJ

Field duplicates collected?
All field RPD within limits?
Results agree with raw data? (Level IV only):

Project-assigned FD Limits:	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
	89-12(1)-(40x)		DUP-01 (200x)		#DIV/0!	
cis-1,2-Dichloroethene		390		350	10.81	
Vinyl chloride		980		840	15.38	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

(OS)/(FD): met criteria, no qualifiers are needed.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:
Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
TRIP BLANK-01	TB	8260 Cmpds	ND		
FB-1	FB	8260 Cmpds	ND		
MB 480-729823/8	Method Blank	8260 Cmpds	ND		
MB 480-729904/8	Method Blank	8260 Cmpds	ND		
MB 480-729961/8	Method Blank	8260 Cmpds	ND		
MB 480-730008/8	Method Blank	8260 Cmpds	ND		
MB 480-730011/8	Method Blank	8260 Cmpds	ND		
MB 480-730065/12	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Criteria met, no qualifiers are needed.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:

LCS - RPD Water:	20	Use RPD 20 as default value
LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-729823/6	Tetrachloroethane (74-122%)	134%	NA	NA	Samples 2, 4-6: NA, all non-detect
LCS 480-729904/6	8260 Compounds	OK	NA	NA	Samples 1
LCS 480-729961/6	8260 Compounds	OK	NA	NA	Samples 7-13, 15, 17-26
LCS 480-730008/6	8260 Compounds	OK	NA	NA	Samples 16, 27-29
LCS 480-730011/6	8260 Compounds	OK	NA	NA	Samples 13-DL, 14
LCS 480-730065/11	Chloromethane (68-124%)	130%	NA	NA	Sample 3: NA, sample is non-detect
	2-Butanone (57-140%)	158%	NA	NA	Sample 3: NA, sample is non-detect

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Failed high for a few analytes, no qualifiers are needed since the recovery is biased high and all associated samples are non-detect for the failing compounds.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD (15)	Comment
		MS	MSD		
EW-4 MS/MSD	Vinyl chloride	OK	OK	18	J 08B
	cis-1,2-Dichloroethene	OK	OK	17	J 08B
DUP-01 MS/MSD	8260 Compounds	OK	OK	OK	
(lab assigned)					

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

EW-4 MS/MSD: failed high for several analytes and also was outside RPD criteria for several analytes. All failures were biased high and OS was non-detect for these failures, no qualifiers are needed. For the RPD failures, only compounds that have a detectable result are qualified as J 08B: Vinyl chloride and cis-1,2-Dichloroethene. DUP-01 MS/MSD (lab assigned): criteria met.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data set
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:
Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V\ final}{V\ initial} \times$ Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S} \times$ Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist: DV-RSKSOP-175
		Revision
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION

			Dissolved Gases
Project/Site	**Textron Annual Sampling**	Method:	**RSK-SOP-175, Rev 5**
Location:	**Textron Wheatfield**		
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins Buffalo**	SDG #	**480-224720-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☐ **X** Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **87-10(1)**
89-10(1)

Chain of Custody Documentation	**Complete**	**Acceptable Qual for Use**	
	YES	**YES**	
QC Completeness Summary	**Present:**	**Acceptable Qual for Use**	
Hold Times / Preservation	**YES**	**YES**	
Field Duplicates	**NA**	**NA**	
Method Blanks, etc.	**YES**	**YES**	
LCS/LCSD	**YES**	**YES**	
MS/MSD	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Alternate Source Verification (ICV)	**NA**	**NA**	
Continuing Calibrations (CCV)	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Result Verification / Result Rejection	**NA**	**NA**	
Surrogate	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None, criteria was met**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **None; method blank is non-detect**
LCS / LCSD ActionsTaken and Qualifiers Applied: **None; criteria was met**
MS / MSD ActionsTaken and Qualifiers Applied: **NA: not collected for this data set.**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions:: **NA: not required for Level II**
Result Verification and Rejection Actions: **NA: not required for Level II**

METHANE, ETHANE, ETHENE

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	YES	.	PJ-R	PJ-R
All samples received intact, no breakage?	YES		PJ	PJ
Preservation requirements met for all samples?	YES		J	UJ
Hold Times met for all samples?	YES		J	UJ
Were all Preservation/HT conditions met?	YES	.	J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes No

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES **OU1-**

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Prep Date	Analysis Date	Comments
480-224720-11	87-10(1)	87-10(1)	10/22/2024	Water	pH < 2.0	none	10/25/24	
480-224720-13	89-10(1)	89-10(1)	10/23/2024	Water	pH < 2.0	none	10/25/24	
Cooler temp: 2.7°C								

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	Temp > 4C	> 14 DAYS	> 28 DAYS
Water	pH < 2.0	---	J/UJ all compounds	R ND / J Positives
	pH > 2.0	---	J/UJ > 7 days	R ND / J Positives

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None, criteria was met

METHANE, ETHANE, ETHENE

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	YES		PJ	PJ
All field RPD within limits?	YES	.	J	UJ
Results agree with raw data? (Level IV only)	YES		PJ	PJ

Project-assigned FD Limits:

RPD Water:	35	Use RPD 30 as default value
RPD Soil	50	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Analytes	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA: not collected for this data set.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	YES		J	U
Performed for each batch?	YES		PJ	PJ
Field Blanks free of contamination? (ER, MB)	YES		< AL-U	N/A
Sample results ND or > blank action levels?	YES	.	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep					Action	
BLK ID	Blank Type	Matrix	MEE	Conc.	5 X	Comments
MB 480-729731/4	MB	Water	ND			

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

None; method blank is non-detect

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES		J	UJ
All LCS recoveries and RPD acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits? (biased high)	NO	R > UCL	J	None
Are any recoveries below control limits? (biased low)	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits? (LCSD only)	YES		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	YES		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - Water:	20	Use RPD 20 as default value
	LCS %R	80-120	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	MEE	% Rec	Associated Project Samples
LCS/LCSD 480-729731	Methane	OK	
	Ethane	OK	
	Ethene	OK	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

None; criteria was met

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits?	NO	R > UCL	J	N/A
Are any recoveries below control limits?	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits?	YES		J	UJ
Calculation of %R and RPD correct? (Level IV only)	YES		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:			
	MS/MSD - Water:	20	Use RPD 20 as default value
	MS/MSD Recovery	80-120	Use 80-120% as default values

Recalculate one or more MS/MSD %R using the following equation. (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	MEE	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

METHANE, ETHANE, ETHENE

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		R	R
Calibration for each instrument?:	YES		R	R
Minimum of five points?	YES		PJ	PJ
ICAL RSD or Correlation Coefficient acceptable?	YES	.	J	UJ
ICV (Second-Source) within limits?	YES	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**>0.995**
or RSD	30	**20**
%D ICV (Alt Src)	<15%D	**<20%D**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV/Alt Src	
Date	Instrument	MEE	RSD / .cc	% D	Affected Samples

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		PJ	PJ
CCV performed for every 10 samples?	YES		PJ	PJ
CCV within acceptance limits?	YES	.	J	UJ
LLCV within acceptance limits? (if required)	YES		J	UJ, No action
LLCV > acceptance limits? (if required)	YES		J	No action
LLCV < acceptance limits? (if required)	YES		J	UJ
All %R verifications acceptable? (Level IV only)	YES		PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	85-115%	**%D < 20**
%D ICV	70-130%	**%D < 20**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		MEE	CCV % D	ICV % D	Affected Samples
Instrument	Date/Time				

DV Actions based on ICAL and CCAL performance:

ICAL / ICV:
NA: not required for Level II

CCV / LLCV
NA: not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	.		No action
Were manual integrations (MI) properly documented?			Use prof. judgment
Are reason codes acceptable for MI performed?			Use prof. judgment
Are manual integrations acceptable?	.	.	Reject, R
Were manual integrations verified? (Level IV only)			Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

MEE	Affected Result	MI Reason	Page	Comments:

Manual Integration Actions:

NA: not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?			Note impact on data set
Were multiple results reported that require rejection?	.	.	Reject unused, R
All results within calibration range of instrument?			Reject, R
Were re-analyses to correct QC failures acceptable?			Select best result
Were all calculations verifiable? (Level IV only)			Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	MEE	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	MEE	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-WET-CHEM
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION

			WET CHEMISTRY
Project/Site	**Textron Annual Sampling**	Method:	**SW846 9056A**
Location:	**Textron Wheatfield**		**SM 5310 C-2011 TOCs**
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins Buffalo**	SDG #	**480-224720-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☐X Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **87-10(1)**
89-10(1)

Chain of Custody Documentation	**Complete**	**Acceptable**	**Qual for Use**
	YES	**YES**	

QC Completeness Summary	**Present:**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**YES**	**YES**	
Field Duplicates	**NA**	**NA**	
Method Blanks, etc.	**YES**	**YES**	
Calibration Blanks (CCB)	**YES**	**YES**	
LCS/LCSD	**YES**	**YES**	
MS/MSD	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Alternate Source Verification (ICV)	**NA**	**NA**	
Continuing Calibrations (CCV)	**NA**	**NA**	
Result Verification / Result Rejection	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None; no action required.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **Criteria is met, no qualifiers are needed.**
ICB / CCB Actions: **NA: not required for Level II**
LCS / LCSD ActionsTaken and Qualifiers Applied: **Criteria met, no qualifiers needed.**
MS / MSD ActionsTaken and Qualifiers Applied: **NA: not collected for this data set.**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions:: **NA: not required for Level II**
Result Verification and Rejection Actions: **NA: not required for Level II**

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	.	.	PJ-R	PJ-R
All samples received intact, no breakage?			PJ	PJ
Preservation requirements met for all samples?			J	UJ
Hold Times met for all samples?			J	UJ
Were all Preservation/HT conditions met?	.	.	J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES **OU1-**

Laboratory ID	Location	Field ID	Date Collected	Matrix	Parameter	Prep. Date	Analysis Date	Comments
480-224720-11	87-10(1)	87-10(1)	10/22/2024	Water	Sulfate	none	10/29/24	
480-224720-13	89-10(1)	89-10(1)	10/23/2024	Water	Sulfate	none	10/29/24	
480-224720-11	87-10(1)	87-10(1)	10/22/2024	Water	TOCs	none	10/30/24	
480-224720-13	89-10(1)	89-10(1)	10/23/2024	Water	TOCs	none	10/30/24	

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required.

RECOMMENDED PRESERVATION AND HOLD TIMES FOR COMMON PARAMETERS:

GW	Method	Parameter	Hold Time/Preservation
	310.2	Alkalinity	Cool 4C, 14 days
	350.1	Ammonia	Cool 4C, 28 days
	405.1	BOD	6 hrs on receipt at lab
	325.2	Chloride	Cool 4C, 28 days
	410.4	COD	Cool 4C, 28 days
	SM2510B	Conductivity	6 hrs on receipt at lab
	9010C	Cyanide	Cool 4C, 14 days
	340.2	Fluoride	Cool 4C, 28 days
	130.2	Hardness	180 days, pH<2 HNO3
	1664A	HEM (Oil&Grease)	Cool 4C, 28 days
	353.2	Nitrate/Nitrite	Cool 4C, 28 days
	354.1	Nitrite	Cool 4C, 48 hours
	365.2	ortho-Phosphate	Cool 4C, 48 hours
	9040C	pH	6 hrs on receipt at lab
	420.1	Phenols	28 days pH<2 H2SO4
	375.4	Sulfate	Cool 4C, 28 days
	376.1	Sulfide	7-days zinc acetate, pH>9
	160.1	TDS	Cool 4C, 7 days
	351.2	TKN	Cool 4C, 28 days
	415.1	TOC	28 days pH<2
	365.4	total P	Cool 4C, 28 days
	160.2	TSS	Cool 4C, 7 days
	SM3500Cr-B-D7196A	Cr+6	Cool 4C, 24 hrs
SOLIDS	**Method**	**Parameter**	**Hold Time/Preservation**
	9010C	Cyanide	Cool 4C, 28 days
	SW1010	Flashpoint	Cool 4C
	SW9095	PaintFltrTest	Cool 4C, 14 days
	SW9045D	pH (solids)	6 hrs on receipt at lab
	420.1	Phenols	Cool 4C, 14 days
	SW9030B	Sulfide (reactive)	Cool 4C, 28 days
	Lloyd Kahn(mod)	TOC	28 days, Cool 4C
	SW5050	Total Halides	Cool 4C, 28 days

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	YES		PJ	PJ
All field RPD within limits?	YES	.	J	UJ
Results agree with raw data? (Level IV only)	YES		PJ	PJ

Project-assigned FD Limits: RPD Water: **35** Use RPD 3 Use RPD 30 as default value
RPD Soil **50** Use RPD 5 Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Analyte	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA: not collected for this data set.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	YES		J	U
Performed for each batch?	YES		PJ	PJ
Field Blanks free of contamination? (ER, MB)	YES		< AL-U	N/A
Sample results ND or > blank action levels?	YES	.	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep					Action	
Blank ID	Blank Type	Matrix	Analyte	Conc.	5 X	Comments
MB 480-730136/4	MB	water	Sulfate	0.633 J	3.165	NA: samples are > 5x, no qualifiers
MB 480-730395/76	MB	water	TOC	0.435 J	2.175	NA: samples are non-detect or > 5x, no qualifiers are needed.

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Criteria is met, no qualifiers are needed.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES		J	UJ
All LCS recoveries and RPD acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits? (biased high)	NO	R > UCL	J	None
Are any recoveries below control limits? (biased low)	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits? (LCSD only)	YES		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	YES		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:				
Water:Anions	15	Water:TOC	20
Solid: Anions	15	Solid: TOC	20
LCS %R	90-110	LCS %R	80-120

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:
LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	Analyte	LCS % Rec	LCSD % Rec	RPD	Associated Project Samples
LCS 480-730136/5	Sulfate	OK	NA	NA	
LCS 480-730395/77	TOC	OK	NA	NA	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers needed.

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits?	NO	R > UCL	J	N/A
Are any recoveries below control limits?	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits?	YES		J	UJ
Calculation of %R and RPD correct? (Level IV only)	YES		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:				
MS/MSD - Water: Anions	15	MS/MSD - Water: TOC	20
MS/MSD - Solid: Anions	15	MS/MSD - Solid: TOC	20
MS/MSD Recovery	90-110	MS/MSD Recovery	80-120

Recalculate one or more MS/MSD %R using the following equation (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	Analyte	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		R	R
Calibration for each instrument?:	YES		R	R
ICAL Correlation Coefficient acceptable?	YES	.	J	UJ
ICV (Second-Source) within limits?	YES	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**> 0.995**
%D ICV (Alt Src)	90-110%	**90-110%**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV	
Date	Instrument	Analyte	.cc	%Rec	Affected Samples

ICAL / ICV
NA: not required for Level II

CALIBRATION BLANKS (ICB / CCB)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
ICB analyzed after ICV?	YES		PJ	PJ
CCB analyzed after each CCV?	YES		PJ	PJ
ICB/CCB free of contamination?	YES	.	U	No action

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. ☐ Yes ☐ No

LIST ALL ICB/CCB WITH REPORTABLE CONCENTRATIONS OF METALS:

Calibration ICB/CCB		Matrix	Analyte	Conc.	Action 5 X	Comments
Blank Type	Date/Time					

ICB / CCB
NA: not required for Level II

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		PJ	PJ
CCV performed for every 10 samples?	YES		PJ	PJ
CCV within acceptance limits?	YES	.	J	UJ
LLCV within acceptance limits? (if required)	YES		J	UJ, No action
LLCV > acceptance limits? (if required)	YES		J	No action
LLCV < acceptance limits? (if required)	YES		J	UJ
All %R verifications acceptable? (level IV only)	YES		PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	> 0.995	**> 0.995**
%D LLCV	90-110%	**90-110%**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		Analyte	CCV %D	LLCV %Rec	Affected Samples
Date/Time	Instrument ID				

DV Actions based on ICAL, CCAL and Calibration Blank performance:

CCV / LLCV
NA: not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	YES		Note impact on data set
Were multiple results reported that require rejection?	YES	.	Reject unused, R
All results within calibration range of instrument?	YES		Reject, R
Were re-analyses to correct QC failures acceptable?	YES		Select best result
Were all calculations verifiable? (Level IV only)	YES		Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Analysis Date	Analyte	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	Analyte	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-VOC
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/25/25	Approved by/ Date: TCR 03/27/25

PROJECT INFORMATION

Project/Site	**Textron NCSD Sampling**
Location:	**Textron Wheatfield**
Project Number	**77631037017.00421320**
Laboratory	**Eurofins Buffalo**

VOLATILE ORGANICS - VOC

Method:	**EPA 624**
Prep:	**NA**
SDG #	**480-224725-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

☐ Level I Completeness)
X Level II (QC only)
☐ Level III (QC+Calibrations)
☐ Level IV (Full validation)

Samples: TRIP BLANK
MH 9-3 COMP 1-4

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**Yes**	
Field Duplicates	**NA**	**NA**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**NO**	**NO**
MS/MSD	**NA**	**NA**	
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/25/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times and preservation requirements were met. No qualification required.

Field Duplicate (FD) Actions and Qualifiers Applied:
NA. Field duplicate not collected for this sampling event.

Surrogate Actions and Qualifiers Applied:
Criteria met, no qualifiers needed.

Blank Actions Taken and Qualifiers Applied:
No qualifiers are needed, Trip blank and method blank are non-detect.

LCS / LCSD ActionsTaken and Qualifiers Applied:
LCS failed high for Acrolein, no qualifier is needed since the recovery is biased high and the associated sample is non-detect.

MS / MSD ActionsTaken and Qualifiers Applied:
NA. An MS/MSD sample was not collected for this sampling event.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-224725-5	Trip Blank	TRIP BLANK	10/23/2024	Water	HCl pH <2	10/25/2024	TB
480-224725-6	MH 9-3	MH 9-3 COMP 1-4	10/23/2024	Water	HCl pH <2	10/25/2024	Composite
Cooler temp: 3.2°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met. No qualification required.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA. Field duplicate not collected for this sampling event.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	**Yes**		**J**	**UJ**
Re-runs acceptable if required?	**Yes**		**PJ**	**PJ**
Were surrogates recovered from samples or dilutions?	**Yes**		**PJ**	**PJ-R**
All recoveries > minimum recovery levels?	**Yes**		**J**	**PJ-R**
Surrogate recoveries acceptable?	**Yes**		**J**	**UJ**

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

Criteria met, no qualifiers needed.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
TRIP BLANK	TB	8260 Cmpds	ND		
MB 480-729782/8	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

No qualifiers are needed, Trip blank and method blank are non-detect.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:	LCS - RPD Water:	20	Use RPD 20 as default value
	LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-729782/6	Acrolein (10-176%)	236%	NA	NA	NA: associated sample is non-detect

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

LCS failed high for Acrolein, no qualifier is needed since the recovery is biased high and the associated sample is non-detect.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA. An MS/MSD sample was not collected for this sampling event.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data se
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:

Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST		Checklist DV-VOC
			Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron		
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/25	

PROJECT INFORMATION — **VOLATILE ORGANICS - VOC**

Project/Site	**Textron Annual Sampling**	Method:	**SW846 8260C**
Location:	**Textron Wheatfield**	Prep:	**5030C (Purge amd Trap)**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-224877-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples:

EW-8	DW-9	87-14(0)	19-01(1)
17-01(1)	B-10A(1)	87-17(1)HS	89-15(1)
87-22(1)HS	DUP-02	87-17(1)	
87-22(1)	87-19(1)HS	TRIP BLANK-02	
87-08(1)	87-19(1)	87-16(1)	
B-8(0)	FB-2	87-13(3)	
87-04(1)	87-14(1)	DW-10HS	
17-04(1)	87-13(1)	DW-10	

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**NO**	**NO**
Field Duplicates	**Yes**	**Yes**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**NO**	**YES**
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**Yes**	**NO**	**YES**
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date:** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times and preservation requirements were met, with one exception: TRIP BLANK-02 was received with less than 2 days left on the holding time, the lab had insufficient time to perform analysis within holding time criteria. No qualifiers are needed since this is isolated to the TB. *Noted, Samples 89-14(0) and 89-14(1) were not received by the lab even though they are listed on the COC and sample 89-15(1) was not listed

Field Duplicate (FD) Actions and Qualifiers Applied:
(OS)/(FD): met criteria, no qualifiers are needed.

Surrogate Actions and Qualifiers Applied:
All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

Blank Actions Taken and Qualifiers Applied:
TRIP BLANK-02 detected Chloroform, sample 480-224877-4 is qualified as J+/06D for Chloroform.

LCS / LCSD ActionsTaken and Qualifiers Applied:
Criteria met, no qualifiers needed.

MS / MSD ActionsTaken and Qualifiers Applied:
87-17(1) MS/MSD: failed low for Vinyl chloride, qualified OS as J-/08A.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-224877-1	EW-8	EW-8	10/24/2024	Water	HCl pH <2	10/30/24	200x
480-224877-2	17-01(1)	17-01(1)	10/24/2024	Water	HCl pH <2	10/30/24	2000x
480-224877-3	87-22(1)HS	87-22(1)HS	10/24/2024	Water	HCl pH <2	10/31/24	2x
480-224877-4	87-22(1)	87-22(1)	10/24/2024	Water	HCl pH <2	10/30/24, 10/31/24	**OS** (1x/50x)
480-224877-5	87-08(1)	87-08(1)	10/24/2024	Water	HCl pH <2	10/30/24, 10/31/24	4x/8x
480-224877-6	B-8(0)	B-8(0)	10/24/2024	Water	HCl pH <2	10/30/24	
480-224877-7	87-04(1)	87-04(1)	10/24/2024	Water	HCl pH <2	10/30/24	1000x
480-224877-8	17-04(1)	17-04(1)	10/24/2024	Water	HCl pH <2	10/30/24	5000x
480-224877-9	DW-9	DW-9	10/24/2024	Water	HCl pH <2	10/30/24, 10/31/24	1x/5x
480-224877-10	B-10A(1)	B-10A(1)	10/24/2024	Water	HCl pH <2	10/30/24	400x
480-224877-11	DUP-02	DUP-02	10/24/2024	Water	HCl pH <2	10/31/24	**FD** (100x)
480-224877-12	87-19(1)HS	87-19(1)HS	10/24/2024	Water	HCl pH <2	10/31/24	
480-224877-15	87-19(1)	87-19(1)	10/24/2024	Water	HCl pH <2	10/30/24	
480-224877-16	FB-2	FB-2	10/25/2024	Water	HCl pH <2	10/31/24	**FB**
480-224877-17	87-14(1)	87-14(1)	10/25/2024	Water	HCl pH <2	10/31/24	400x
480-224877-18	87-13(1)	87-13(1)	10/25/2024	Water	HCl pH <2	10/31/24	100x
480-224877-19	87-14(0)	87-14(0)	10/25/2024	Water	HCl pH <2	10/31/24	2x
480-224877-20	87-17(1)HS	87-17(1)HS	10/25/2024	Water	HCl pH <2	10/31/24	2x
480-224877-21	87-17(1)	87-17(1)	10/25/2024	Water	HCl pH <2	11/01/24	**MS/MSD** (4x)
480-224877-22	TRIP BLANK-02	TRIP BLANK-02	10/9/2024	Water	HCl pH <2	10/28/24	**TB**
480-224877-23	87-16(1)	87-16(1)	10/25/2024	Water	HCl pH <2	10/31/24	8000x
480-224877-24	87-13(3)	87-13(3)	10/25/2024	Water	HCl pH <2	10/31/24	200x
480-224877-25	DW-10HS	DW-10HS	10/25/2024	Water	HCl pH <2	10/31/24	400x
480-224877-26	DW-10	DW-10	10/25/2024	Water	HCl pH <2	10/31/24	200x
480-224877-27	19-01(1)	19-01(1)	10/25/2024	Water	HCl pH <2	10/31/24	10x
480-224877-28	89-15(1)	89-15(1)	10/25/2024	Water	HCl pH <2	10/31/24	8x
Cooler temp: 2.8°C and 3.9°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met, with one exception: TRIP BLANK-02 was received with less than 2 days left

on the holding time, the lab had insufficient time to perform analysis within holding time criteria. No qualifiers are needed since this is isolated to the TB. *Noted, Samples 89-14(0) and 89-14(1) were not received by the lab even though they are listed on the COC and sample 89-15(1) was not listed on the COC but was added by the lab at login.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
	87-22(1)-(1x/50x)		DUP-02 (100x)		#DIV/0!	
1,1-Dichloroethene		4		ND	NA	
trans-1,2-Dichloroethene		6.9		ND	NA	
1,1-Dichloroethane		5.5		ND	NA	
1,1,1-Trichloroethane		2.3		ND	NA	
Trichloroethene		5.2		ND	NA	
cis-1,2-Dichloroethene (50x)		1100		1100	0.00	
Vinyl chloride (50x)		2100		2100	0.00	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

(OS)/(FD): met criteria, no qualifiers are needed.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
TRIP BLANK-02	TB	Chloroform	0.34 J	1.7	480-224877-4: J^+/06D
FB-2	FB	8260 Cmpds	ND		
MB 480-730048/9	Method Blank	8260 Cmpds	ND		
MB 480-730472/8	Method Blank	8260 Cmpds	ND		
MB 480-730625/8	Method Blank	8260 Cmpds	ND		
MB 480-730819/8	Method Blank	8260 Cmpds	ND		
MB 480-731190/8	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

TRIP BLANK-02 detected Chloroform, sample 480-224877-4 is qualified as J^+/06D for Chloroform.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - RPD Water:	20	Use RPD 20 as default value
	LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-730048/6	8260 Compounds	OK	NA	NA	Sample 22
LCS 480-730472/6	8260 Compounds	OK	NA	NA	Samples 1,2,4-10,15
LCS 480-730625/6	8260 Compounds	OK	NA	NA	Samples 3,4DL,5DL,9DL,11,12,16-20,23-28
LCS 480-730819/6	8260 Compounds	OK	NA	NA	Sample 21
LCS 480-731190/6	8260 Compounds	OK	NA	NA	QC

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers needed.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:
Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD (15)	Comment
		MS	MSD		
87-17(1) MS/MSD	Vinyl chloride (65-133%)	57%	51%	OK	J- 08A

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

87-17(1) MS/MSD: failed low for Vinyl chloride, qualified OS as J-/08A.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data set
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V_{final}}{V_{initial}} \times$ Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S} \times$ Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist: DV-RSKSOP-175
		Revision
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION

Project/Site	**Textron Annual Sampling**	Method:	**RSK-SOP-175, Rev 5**
Location:	**Textron Wheatfield**		
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins Buffalo**	SDG #	**480-224877-1**

Dissolved Gases

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:	**Samples:**		
		17-01(1)	**19-01(1)**
		87-04(1)	**89-15(1)**
☐ Stage 1 Completeness Screening)		**17-04(1)**	
☐ **X** Stage 2A (Stage 1 + QC results)		**DW-9**	
☐ Stage 2B (QC+Calibrations)		**B-10A(1)**	
☐ Stage 3 (Stage 2B + calcs)		**87-14(1)**	
☐ Stage 4 (Full validation)		**87-13(1)**	
		87-16(1)	

Chain of Custody Documentation	**Complete**	**Acceptable Qual for Use**	
	YES	**YES**	
QC Completeness Summary	**Present:**	**Acceptable Qual for Use**	
Hold Times / Preservation	**YES**	**YES**	
Field Duplicates	**NA**	**NA**	
Method Blanks, etc.	**YES**	**YES**	
LCS/LCSD	**YES**	**YES**	
MS/MSD	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Alternate Source Verification (ICV)	**NA**	**NA**	
Continuing Calibrations (CCV)	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Result Verification / Result Rejection	**NA**	**NA**	
Surrogate	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None; no action required. *Noted, Sample 89-15(1) was not listed on the COC, but was added at login.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **None; method blank is non-detect**
LCS / LCSD ActionsTaken and Qualifiers Applied: **None; criteria was met**
MS / MSD ActionsTaken and Qualifiers Applied: **NA: not collected for this data set.**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions:: **NA: not required for Level II**
Result Verification and Rejection Actions: **NA: not required for Level II**

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	YES	.	PJ-R	PJ-R
All samples received intact, no breakage?	YES		PJ	PJ
Preservation requirements met for all samples?	YES		J	UJ
Hold Times met for all samples?	YES		J	UJ
Were all Preservation/HT conditions met?	YES	.	J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes No

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES **OU1-**

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Prep Date	Analysis Date	Comments
480-224877-2	17-01(1)	17-01(1)	10/24/2024	Water	pH < 2.0	none	10/30/24	
480-224877-7	87-04(1)	87-04(1)	10/24/2024	Water	pH < 2.0	none	10/29/24	110x
480-224877-8	17-04(1)	17-04(1)	10/24/2024	Water	pH < 2.0	none	10/30/24	22x
480-224877-9	DW-9	DW-9	10/24/2024	Water	pH < 2.0	none	10/30/24	
480-224877-10	B-10A(1)	B-10A(1)	10/24/2024	Water	pH < 2.0	none	10/29/24	110x
480-224877-17	87-14(1)	87-14(1)	10/25/2024	Water	pH < 2.0	none	10/29/24	110x
480-224877-18	87-13(1)	87-13(1)	10/25/2024	Water	pH < 2.0	none	10/29/24	110x
480-224877-23	87-16(1)	87-16(1)	10/25/2024	Water	pH < 2.0	none	10/30/24	11x
480-224877-27	19-01(1)	19-01(1)	10/25/2024	Water	pH < 2.0	none	10/29/24	110x
480-224877-28	89-15(1)	89-15(1)	10/25/2024	Water	pH < 2.0	none	10/30/24	22x/110x
Cooler temp: 2.8°C and 3.9°C								

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	Temp > 4C	> 14 DAYS	> 28 DAYS
Water	pH < 2.0	---	J/UJ all compounds	R ND / J Positives
	pH > 2.0	---	J/UJ > 7 days	R ND / J Positives

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required. *Noted, Sample 89-15(1) was not listed on the COC, but was added at login.

METHANE, ETHANE, ETHENE

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	YES		PJ	PJ
All field RPD within limits?	YES	.	J	UJ
Results agree with raw data? (Level IV only)	YES		PJ	PJ

Project-assigned FD Limits:

RPD Water:	35	Use RPD 30 as default value
RPD Soil	50	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Analytes	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA: not collected for this data set.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	YES		J	U
Performed for each batch?	YES		PJ	PJ
Field Blanks free of contamination? (ER, MB)	YES		< AL-U	N/A
Sample results ND or > blank action levels?	YES	.	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep					Action	
BLK ID	Blank Type	Matrix	MEE	Conc.	5 X	Comments
MB 480-730194/4	MB	Water	ND			
MB 480-730383/4	MB	Water	ND			

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

None; method blank is non-detect

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES		J	UJ
All LCS recoveries and RPD acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits? (biased high)	NO	R > UCL	J	None
Are any recoveries below control limits? (biased low)	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits? (LCSD only)	YES		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	YES		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - Water:	20	Use RPD 20 as default value
	LCS %R	80-120	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	MEE	% Rec	Associated Project Samples
LCS 480-730194/5	Methane	OK	
	Ethane	OK	
	Ethene	OK	
LCS 480-730383/5	Methane	OK	
	Ethane	OK	
	Ethene	OK	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

None; criteria was met

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits?	NO	R > UCL	J	N/A
Are any recoveries below control limits?	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits?	YES		J	UJ
Calculation of %R and RPD correct? (Level IV only)	YES		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:			
	MS/MSD - Water:	20	Use RPD 20 as default value
	MS/MSD Recovery	80-120	Use 80-120% as default values

Recalculate one or more MS/MSD %R using the following equation. (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	MEE	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

METHANE, ETHANE, ETHENE

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		R	R
Calibration for each instrument?:	YES		R	R
Minimum of five points?	YES		PJ	PJ
ICAL RSD or Correlation Coefficient acceptable?	YES	.	J	UJ
ICV (Second-Source) within limits?	YES	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**>0.995**
or RSD	30	**20**
%D ICV (Alt Src)	<15%D	**<20%D**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV/Alt Src	
Date	Instrument	MEE	RSD / .cc	% D	Affected Samples

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		PJ	PJ
CCV performed for every 10 samples?	YES		PJ	PJ
CCV within acceptance limits?	YES	.	J	UJ
LLCV within acceptance limits? (if required)	YES		J	UJ, No action
LLCV > acceptance limits? (if required)	YES		J	No action
LLCV < acceptance limits? (if required)	YES		J	UJ
All %R verifications acceptable? (Level IV only)	YES		PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	85-115%	**%D < 20**
%D ICV	70-130%	**%D < 20**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		MEE	CCV % D	ICV % D	Affected Samples
Instrument	Date/Time				

DV Actions based on ICAL and CCAL performance:

ICAL / ICV:
NA: not required for Level II

CCV / LLCV
NA: not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	.		No action
Were manual integrations (MI) properly documented?			Use prof. judgment
Are reason codes acceptable for MI performed?			Use prof. judgment
Are manual integrations acceptable?	.	.	Reject, R
Were manual integrations verified? (Level IV only)			Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

MEE	Affected Result	MI Reason	Page	Comments:

Manual Integration Actions:

NA: not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?			Note impact on data set
Were multiple results reported that require rejection?	.	.	Reject unused, R
All results within calibration range of instrument?			Reject, R
Were re-analyses to correct QC failures acceptable?			Select best result
Were all calculations verifiable? (Level IV only)			Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	MEE	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	MEE	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-WET-CHEM
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION

Project/Site	**Textron Annual Sampling**	Method:	**WET CHEMISTRY**
Location:	**Textron Wheatfield**		**SW846 9056A**
Project Number	**77631037017.00421320**	Prep:	**SM 5310 C-2011 TOCs**
Laboratory	**Eurofins Buffalo**	SDG #	**480-224877-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:	**Samples:**		
		17-01(1)	**19-01(1)**
		87-04(1)	**89-15(1)**
☐ Stage 1 Completeness Screening)		**17-04(1)**	
☐**X** Stage 2A (Stage 1 + QC results)		**DW-9**	
☐ Stage 2B (QC+Calibrations)		**B-10A(1)**	
☐ Stage 3 (Stage 2B + calcs)		**87-14(1)**	
☐ Stage 4 (Full validation)		**87-13(1)**	
		87-16(1)	

Chain of Custody Documentation	**Complete**	**Acceptable**	**Qual for Use**
	YES	**YES**	

QC Completeness Summary		**Present:**	**Acceptable**	**Qual for Use**
Hold Times / Preservation		**YES**	**YES**	
Field Duplicates		**NA**	**NA**	
Method Blanks, etc.		**YES**	**YES**	
Calibration Blanks (CCB)		**YES**	**YES**	
LCS/LCSD		**YES**	**YES**	
MS/MSD	**lab assigned**	**YES**	**YES**	
Initial Calibration		**NA**	**NA**	
Alternate Source Verification (ICV)		**NA**	**NA**	
Continuing Calibrations (CCV)		**NA**	**NA**	
Result Verification / Result Rejection		**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None; no action required. *Noted, Sample 89-15(1) was not listed on the COC, but was added at login.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **Criteria is met, no qualifiers are needed.**
ICB / CCB Actions: **NA: not required for Level II**
LCS / LCSD ActionsTaken and Qualifiers Applied: **Criteria met, no qualifiers needed.**
MS / MSD ActionsTaken and Qualifiers Applied: **87-13(1) MS (lab assigned): criteria met, no qualifier needed.**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions:: **NA: not required for Level II**
Result Verification and Rejection Actions: **NA: not required for Level II**

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	.	.	PJ-R	PJ-R
All samples received intact, no breakage?			PJ	PJ
Preservation requirements met for all samples?			J	UJ
Hold Times met for all samples?			J	UJ
Were all Preservation/HT conditions met?	.	.	J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES **OU1-**

Laboratory ID	Location	Field ID	Date Collected	Matrix	Parameter	Prep. Date	Analysis Date	Comments
480-224877-2	17-01(1)	17-01(1)	10/24/2024	Water	Sulfate	none	11/01/24	20x
480-224877-7	87-04(1)	87-04(1)	10/24/2024	Water	Sulfate	none	11/01/24	10x
480-224877-8	17-04(1)	17-04(1)	10/24/2024	Water	Sulfate	none	11/01/24	20x
480-224877-9	DW-9	DW-9	10/24/2024	Water	Sulfate	none	11/01/24	2x
480-224877-10	B-10A(1)	B-10A(1)	10/24/2024	Water	Sulfate	none	11/01/24	5x
480-224877-17	87-14(1)	87-14(1)	10/25/2024	Water	Sulfate	none	11/01/24	10x
480-224877-18	87-13(1)	87-13(1)	10/25/2024	Water	Sulfate	none	11/01/24	5x
480-224877-23	87-16(1)	87-16(1)	10/25/2024	Water	Sulfate	none	11/04/24	10x
480-224877-27	19-01(1)	19-01(1)	10/25/2024	Water	Sulfate	none	11/04/24	20x
480-224877-28	89-15(1)	89-15(1)	10/25/2024	Water	Sulfate	none	11/04/24	10x
480-224877-2	17-01(1)	17-01(1)	10/24/2024	Water	TOCs	none	11/01/24	20x
480-224877-7	87-04(1)	87-04(1)	10/24/2024	Water	TOCs	none	11/03/24	40x
480-224877-8	17-04(1)	17-04(1)	10/24/2024	Water	TOCs	none	11/01/24	20x
480-224877-9	DW-9	DW-9	10/24/2024	Water	TOCs	none	11/01/24	
480-224877-10	B-10A(1)	B-10A(1)	10/24/2024	Water	TOCs	none	11/01/24	
480-224877-17	87-14(1)	87-14(1)	10/25/2024	Water	TOCs	none	11/02/24	20x
480-224877-18	87-13(1)	87-13(1)	10/25/2024	Water	TOCs	none	11/03/24	2x
480-224877-23	87-16(1)	87-16(1)	10/25/2024	Water	TOCs	none	10/31/24	
480-224877-27	19-01(1)	19-01(1)	10/25/2024	Water	TOCs	none	11/03/24	100x
480-224877-28	89-15(1)	89-15(1)	10/25/2024	Water	TOCs	none	11/05/24	10x
Cooler temp: 2.8°C and 3.9°C								

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required. *Noted, Sample 89-15(1) was not listed on the COC, but was added at login.

RECOMMENDED PRESERVATION AND HOLD TIMES FOR COMMON PARAMETERS:

GW	Method	Parameter	Hold Time/Preservation
	310.2	Alkalinity	Cool 4C, 14 days
	350.1	Ammonia	Cool 4C, 28 days
	405.1	BOD	6 hrs on receipt at lab
	325.2	Chloride	Cool 4C, 28 days
	410.4	COD	Cool 4C, 28 days
	SM2510B	Conductivity	6 hrs on receipt at lab
	9010C	Cyanide	Cool 4C, 14 days
	340.2	Fluoride	Cool 4C, 28 days
	130.2	Hardness	180 days, pH<2 HNO3
	1664A	HEM (Oil&Grease)	Cool 4C, 28 days
	353.2	Nitrate/Nitrite	Cool 4C, 28 days
	354.1	Nitrite	Cool 4C, 48 hours
	365.2	ortho-Phosphate	Cool 4C, 48 hours
	9040C	pH	6 hrs on receipt at lab
	420.1	Phenols	28 days pH<2 H2SO4
	375.4	Sulfate	Cool 4C, 28 days
	376.1	Sulfide	7-days zinc acetate, pH>9
	160.1	TDS	Cool 4C, 7 days
	351.2	TKN	Cool 4C, 28 days
	415.1	TOC	28 days pH<2
	365.4	total P	Cool 4C, 28 days
	160.2	TSS	Cool 4C, 7 days
	SM3500Cr-B-D7196A	Cr+6	Cool 4C, 24 hrs

SOLIDS	Method	Parameter	Hold Time/Preservation
	9010C	Cyanide	Cool 4C, 28 days
	SW1010	Flashpoint	Cool 4C
	SW9095	PaintFltrTest	Cool 4C, 14 days
	SW9045D	pH (solids)	6 hrs on receipt at lab
	420.1	Phenols	Cool 4C, 14 days
	SW9030B	Sulfide (reactive)	Cool 4C, 28 days
	Lloyd Kahn(mod)	TOC	28 days, Cool 4C
	SW5050	Total Halides	Cool 4C, 28 days

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	YES		PJ	PJ
All field RPD within limits?	YES	.	J	UJ
Results agree with raw data? (Level IV only)	YES		PJ	PJ

Project-assigned FD Limits:

RPD Water:	35	Use RPD 3	Use RPD 30 as default value
RPD Soil	50	Use RPD 5	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Analyte	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA: not collected for this data set.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS DETECT	RECOMMENDED DV ACTIONS ND
Performed for each matrix and level?:	YES		J	U
Performed for each batch?	YES		PJ	PJ
Field Blanks free of contamination? (ER, MB)	YES		< AL-U	N/A
Sample results ND or > blank action levels?	YES	.	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep					Action	
Blank ID	Blank Type	Matrix	Analyte	Conc.	5 X	Comments
MB 480-730647/28	MB	water	Sulfate	0.549	2.745	NA: samples are > 5x, no qualifiers
MB 480-730826/4	MB	water	Sulfate	ND		
MB 480-730816/76	MB	water	TOC	ND		
MB 480-730967/4	MB	water	TOC	ND		
MB 480-730969/52	MB	water	TOC	ND		
MB 480-731159/4	MB	water	TOC	ND		
MB 480-731376/4	MB	water	TOC	ND		
MB 480-731376/28	MB	water	TOC	ND		

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Criteria is met, no qualifiers are needed.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES		J	UJ
All LCS recoveries and RPD acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits? (biased high)	NO	R > UCL	J	None
Are any recoveries below control limits? (biased low)	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits? (LCSD only)	YES		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	YES		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:				
Water:Anions	15	Water:TOC	20
Solid: Anions	15	Solid: TOC	20
LCS %R	90-110	LCS %R	80-120

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	Analyte	LCS % Rec	LCSD % Rec	RPD	Associated Project Samples
LCS 480-730647/29	Sulfate	OK	NA	NA	
LCS 480-730926/5	Sulfate	OK	NA	NA	
LCS 480-730816/77	TOC	OK	NA	NA	
LCS 480-730967/5	TOC	OK	NA	NA	
LCS 480-730969/53	TOC	OK	NA	NA	
LCS 480-731159/5	TOC	OK	NA	NA	
LCS 480-731376/5	TOC	OK	NA	NA	
LCS 480-731376/29	TOC	OK	NA	NA	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers needed.

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits?	NO	R > UCL	J	N/A
Are any recoveries below control limits?	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits?	YES		J	UJ
Calculation of %R and RPD correct? (Level IV only)	YES		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:				
MS/MSD - Water: Anions	15	MS/MSD - Water: TOC	20
MS/MSD - Solid: Anions	15	MS/MSD - Solid: TOC	20
MS/MSD Recovery	90-110	MS/MSD Recovery	80-120

Recalculate one or more MS/MSD %R using the following equation (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	Analyte	MS Recovery	MSD Recovery	RPD	Samples Affected
87-13(1) MS	Sulfate	OK	NA	NA	

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

87-13(1) MS (lab assigned): criteria met, no qualifier needed.

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		R	R
Calibration for each instrument?:	YES		R	R
ICAL Correlation Coefficient acceptable?	YES	.	J	UJ
ICV (Second-Source) within limits?	YES	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**> 0.995**
%D ICV (Alt Src)	90-110%	**90-110%**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV	
Date	Instrument	Analyte	.cc	%Rec	Affected Samples

ICAL / ICV
NA: not required for Level II

CALIBRATION BLANKS (ICB / CCB)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
ICB analyzed after ICV?	YES		PJ	PJ
CCB analyzed after each CCV?	YES		PJ	PJ
ICB/CCB free of contamination?	YES	.	U	No action

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. ☐ Yes ☐ No

LIST ALL ICB/CCB WITH REPORTABLE CONCENTRATIONS OF METALS:

Calibration ICB/CCB		Matrix	Analyte	Conc.	Action 5 X	Comments
Blank Type	Date/Time					

ICB / CCB
NA: not required for Level II

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		PJ	PJ
CCV performed for every 10 samples?	YES		PJ	PJ
CCV within acceptance limits?	YES	.	J	UJ
LLCV within acceptance limits? (if required)	YES		J	UJ, No action
LLCV > acceptance limits? (if required)	YES		J	No action
LLCV < acceptance limits? (if required)	YES		J	UJ
All %R verifications acceptable? (level IV only)	YES		PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	> 0.995	**> 0.995**
%D LLCV	90-110%	**90-110%**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		Analyte	CCV %D	LLCV %Rec	Affected Samples
Date/Time	Instrument ID				

DV Actions based on ICAL, CCAL and Calibration Blank performance:

CCV / LLCV
NA: not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	YES		Note impact on data set
Were multiple results reported that require rejection?	YES	.	Reject unused, R
All results within calibration range of instrument?	YES		Reject, R
Were re-analyses to correct QC failures acceptable?	YES		Select best result
Were all calculations verifiable? (Level IV only)	YES		Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Analysis Date	Analyte	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	Analyte	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-VOC
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/25/25	Approved by/ Date: TCR 03/27/25

PROJECT INFORMATION — **VOLATILE ORGANICS - VOC**

Project/Site	**Textron Annual Sampling**	Method:	**SW846 8260C**
Location:	**Textron Wheatfield**	Prep:	**1311 (Leach)**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-224935-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples: IDW-Water

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**Yes**	
Field Duplicates	**NA**	**NA**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**NA**	**NA**	
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/25/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: All holding times and preservation requirements were met. No qualification required.
Field Duplicate (FD) Actions and Qualifiers Applied: NA: not collected for this data set.
Surrogate Actions and Qualifiers Applied: All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.
Blank Actions Taken and Qualifiers Applied: Criteria met, no qualifiers are needed.
LCS / LCSD ActionsTaken and Qualifiers Applied: Criteria met, no qualifiers are needed.
MS / MSD ActionsTaken and Qualifiers Applied: NA: not collected for this data set.
BFB Tune Actions based on GC-MS Tune Criteria: NA - not required for Level II
ICAL / ICV calibration actions and Qualifications: NA - not required for Level II
CCAL /Second-Source(CCV) calibration Actions: NA - not required for Level II
Internal Standard Actions and Qualifications: NA - not required for Level II
Manual Integration Actions: NA - not required for Level II
Result Rejection Actions: NA - not required for Level II
Result Verification: (Level IV) NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-224935-1	IDW-Water	IDW-Water	10/29/2024	Water	HCl pH <2	11/2/2024	80x
Cooler temp: 4.1°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met. No qualification required.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
					#DIV/0!	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA: not collected for this data set.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
MB 480-730921/8	Method Blank	8260 Cmpds	ND		
LB 480-730763/1-A	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Criteria met, no qualifiers are needed.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:

LCS - RPD Water:	20	Use RPD 20 as default value
LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-730921/6	Chlorobenzene (80-120%)	121%	NA	NA	NA: assoc sample is non-detect

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers are needed.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		
	8260 Compounds				

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data se
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V_{final}}{V_{initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-Metals-ICP
		Revision Rev 1
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/25/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION

			METALS - ICP
Project/Site	**Textron Annual Sampling**	Method:	**SW846-6010C/7470A**
Location:	**Textron Wheatfield**	Prep:	**1311/3010A/7470A**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-224935-1**

Data Validation Requirements: **Project QA Plan** DoD EDQW **EPA NFG** Other Guidance

Validation Acceptance Criteria: **Project QA Plan** **DoD QSM** EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☒ Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **IDW-Water**

Chain of Custody Documentation

Complete	Acceptable	Qual for Use
YES	YES	

QC Completeness Summary

	Present:	Acceptable	Qual for Use
Hold Times / Preservation	YES	YES	
Field Duplicates	NA	NA	
Method / Prep Blanks, etc.	YES	YES	
ICB / CCB	YES	YES	
LCS/LCSD	YES	YES	
MS/MSD	NA	NA	
Serial Dilution	NA	NA	
Post Digest Spike	NA	NA	
Initial Calibration	NA	NA	
Alternate Source Verification (ICV)	NA	NA	
Continuing Calibration Verifications (CCV)	NA	NA	
Low-level ICV (LLCV)	NA	NA	
Interference Check Sample (ICS)	NA	NA	
Internal Standards	NA	NA	
MS Tuning Sample	NA	NA	
Result Verification / Result Rejection (Stage 3/4 only)	NA	NA	

Reviewed by/Date: KLR **Date:** 3/25/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None; no action required.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **None; no action required.**
ICB / CCB Actions: **NA: not required for Level II**
LCS / LCSD ActionsTaken and Qualifiers Applied: **No action required**
MS / MSD ActionsTaken and Qualifiers Applied: NA: not collected for this data set.
Serial Dilution ActionsTaken and Qualifiers Applied: **NA: not required for Level II**
Post Digest Spike ActionsTaken and Qualifiers Applied: **NA: not required for Level II**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions: **NA: not required for Level II**
Interference Check Sample (ICS) Actions: **NA: not required for Level II**
ICP-MS Internal Standard Actions: **NA: not required for Level II**
ICP-MS Tune Actions: **NA: not required for Level II**
Result Verification and Rejection Actions: **NA: not required for Level II**

Metals ICP

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	YES			
All samples received intact, no breakage?	YES			
Preservation requirements met for all samples?	YES			
Hold Times met for all samples?	YES			
Were all Preservation/HT conditions met?	YES			

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES

Laboratory ID	Location	Field ID	Date Collected	Parameter	Preserv.	Prep. Date	Analysis Date	Comments
480-224935-1	IDW-Water	IDW-Water	10/29/2024	6010C/7470A	4°C,pH<2	11/1/2025	11/1/24, 11/4/25	
Cooler temp: 4.1°C								

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	HT TO ANALYSIS	RECOMMENDED ACTION
Water-metals	pH < 2.0	>180 days	J/UJ all metals
	unpreserved	J/UJ all metals	J/UJ all metals
Filtered	pH < 2.0	>180 days	J/UJ all metals
	unpreserved	(preserved on receipt)	use professional judgment
Soils-Metals	Cool < 6C	>180 days	J/UJ all metals

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required.

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	NO			
All field RPD within limits?	NA			
Results agree with raw data? (Stage 3/4 only)				

Project-assigned FD Limits: RPD Water: **35** Use RPD 30 as default value
RPD Soil **50** Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Stage 3/4 only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Element	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA: not collected for this data set.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	YES			
Performed for each batch?	YES			
Field Blanks free of contamination? (ER, MB)	NO			
Sample results ND or > blank action levels?	NO			

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Matrix	Element	Conc.	Action 5 X	Comments
MB 480-730797	MB 6010C	Water	Chromium	0.00106	0.0053	NA: assoc sample > 5x, no qualifier needed
LB 480-730761	LB 6010C	Water	Metals	ND		
MB 480-730808	MB 7470A	Water	Mercury	ND		
LB 480-730761	LB 7470A	Water	Mercury	ND		

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

None; no action required.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES			
All LCS recoveries and RPD acceptable?	YES			
All %R within Control Limits?	YES			
Are any recoveries above control limits? (biased high)				
Are any recoveries below control limits? (biased low)				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits? (LCSD only)				
Calculation of %R/RPD accurate? (Stage 3/4 only)				

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - Water:	**20**	Use RPD 20 as default value
	LCS - Solid	**20**	Use RPD 30 as default value
	LCS %R	**QSM v 5**	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:
LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY C0NTROL SAMPLES OUTSIDE LIMITS:

LCS /LCSD ID	Matrix	Element	% Rec	Associated Project Samples
LCS 480-730797	Water	6010C	OK	
LCS 480-730808	Water	7470A	OK	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

No action required

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES			
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES			
All %R within Control Limits?	YES			
Are any recoveries above control limits?	.			
Are any recoveries below control limits?				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?	YES			
Calculation of %R and RPD correct? (Stage 3/4 only)				

Check source of MS or MS/MSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:		
MS/MSD - Water:	**20**	Use RPD 20 as default value
MS/MSD - Solid	**30**	Use RPD 30 as default value
MS/MSD Recovery	**QSM v 5**	Use 75-125% as default values

Recalculate one or more MS/MSD %R using the following equation (Stage 3/4 only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Stage 3/4 only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
PDS <10 R all results; J/UJ outside CL.
MS <CL and PDS <75, J positives, R for ND; or MS <CL and PDS > 75 J/UJ.
MS outside CL and MS/PDS <75, J/UJ; MS/PDS > CL, J positives.

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	Element	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

ICP SERIAL DILUTIONS AND POST DIGEST SPIKE

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was serial dilution and/or PDS performed for each batch?	YES			
Do serial dilution results agree within 10% of originals?	YES			
Sample free of negative interference?	YES			
Was PDS %R within limits?	YES			
All %D; %R verified? (Stage 3/4 only)				

Recalculate one or more %D using the following equation (Stage 3/4 only)

$$\%D = \frac{[I - S]}{I} \times 100$$

I = Initial sample result
S = Serial dilution result

Recommended Actions:
If %D > 10% and sample conc > 100x MDL, J/UJ.
Use professional judgment to assess whether matrix interferences are present.

LIST %DIFFERENCES OUTSIDE CONTROL LIMITS (90-110):

Sample ID	Element	Original Result	Dilution Result	%D	Associated Project Samples

ENTER ALL PDS WITH %Rs OUTSIDE 80-120%:

PDS ID	Element	PDS Recovery

DV actions based on Serial Dilution and Post Digest Spike performance:

Serial Dilution
NA: not required for Level II

PDS
NA: not required for Level II

INITIAL CALIBRATION AND VERIFICATIONS; (ICAL / ICV) (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES			
Calibration for each instrument?:	YES			
ICAL Correlation Coefficient acceptable?	YES			
ICV (Second-Source) within limits?	YES			
CCV performed for every 10 samples?	YES			
CCV within acceptance limits?	YES			
Performed before sample analysis?	YES			
CRA/CRI or LLCV within acceptance limits?	YES			
CRA/CRI or LLCV > acceptance limits?				
CRA/CRI or LLCV < acceptance limits?				
All %R verifiable? (Stage 3/4 only)				

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**> 0.995**
%D ICV (Alt Src)	90-110%	**90-110%**
%D CCV	90-110%	**90-110%**
%D LLCV	70-130%	**80-120 %**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Stage 3/4 only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration			ICV	CCV	
Instrument	Date	Element	%Rec	%Rec	Affected Samples

CALIBRATION BLANKS (ICB / CCB) (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
ICB analyzed after ICV?	YES			
CCB analyzed after each CCV?	YES			
ICB/CCB free of contamination?	YES			

Check source of Blank Action criteria applied:

Project QA Plan **DoD QSM** EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes No

LIST ALL ICB/CCB WITH REPORTABLE CONCENTRATIONS OF METALS:

Calibration ICB/CCB					Action	
Cal Blank	Date	Matrix	Element	Conc. (mg/L)	5 X	Comments

Recommended Actions:

Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.
Qualify samples for blank interferences using the 5X rule.

DV actions based on ICAL, CCAL and Calibration Blank performance:

ICAL / ICV
NA: not required for Level II

CCV / LLCV
NA: not required for Level II

ICB / CCB
NA: not required for Level II

ICP INTERFERENCE CHECK SAMPLE

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Analyzed at beginning and end of day?	YES			
All ICS A/B Within acceptance limits for true value?	YES			
Any ICS A/B > acceptance limit?				
Any ICS A/B < acceptance limit?				
Are all ICS A/B Recoveries > minimum limit?				

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan **DoD QSM** EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICSA / ICSB	80-120	**80-120**
ICSA A/B Min %R	50%	**50%**

Recalculate one or more ICS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions: (Based on NFG)
Use professional judgment to qualify or reject results if ICSA/B are not present.
Estimate resaults based on high or low bias.
Results are unusable if recoveries are less than minimum levels.

LIST ANY ICS/IS %RECOVERIES OUTSIDE CONTROL LIMITS:

Sample ID	ICS-A Result	ICS A/B Result	%R	Comment
		OK		

DV actions based on ICSA/ICSB Recoveries:

NA: not required for Level II

ICP/MS INTERNAL STANDARDS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Internal stds present in all samples?	YES			
Do IS masses bracket target analytes?	YES			
All areas within relative intensity (RI) of -60% to +125%?	YES			
Was sample reanalyzed at 2X dilution if RI outside limits?				
Was RI outside limits for 2x dilution?				

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
IS relative intensity limits:	-60 - +125	**-60 - +125**

Recommended Actions:
Use professional judgment to qualify results if 2x dilution not performed.

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA:

Sample Number	Internal Standard (Li, Sc, Y, Rh, In, Tb, Ho, Lu, Bi)	% Rec	Comments

DV actions taken based on IS performace:

NA: not required for Level II

ICP-MS INSTRUMENT TUNE (Stage 2B, 3, 4)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for all calibrations?	YES			
Tune performed properly?	YES			
Mass calibrations within 0.1 amu? (Stage 3/4 only)				
% RSD less than 5%? (Stage 3/4 only)				

Recalculate average mass and %RSD using the following equations (Stage 3/4 only)

$$\text{Mean} = \frac{\sum x}{n}$$

x = mass from analysis
n = number of analyses

$$\%\ \text{RSD} = \frac{\sigma_{n-1} \times 100}{x}$$

x = mean
n = number of analyses
σ_{n-1} = std deviation

Recommended Actions:

If tune not performed all results are unusable R.
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).

LIST ANY ICP/MS TUNES OUTSIDE CRITERIA:

Date / Time	ICP/MS ID	Ion Abundances Outside Criteria	Samples Associated to ICP/MS Tune

DV actions taken based on ICP-MS Tune:

NA: not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Stage 2B, 3, 4)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	YES		
Were multiple results reported that require rejection?	NO		
All results within calibration range of instrument?			
Were re-analyses to correct QC failures acceptable?			
Were all calculations verifiable? (Stage 3/4 only)			

Recalculate one or more sample results using calculations below or provided by the lab. (Stage 3/4 only)

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ **x Dilution Factor**

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ **x Dilution Factor**

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	Element	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Stage 3/4 only)

Sample ID	Element	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST		Checklist DV-SVOC
			Revision Rev 1
	Project Name: Former Bell Aerospace Facility; Textron		
	Prepared by/Date: KLR 3/25/25	Approved by/Date: TCR 03/27/25	

PROJECT INFORMATION — **SEMIVOLATILE ORGANICS - SVOC**

Project/Site	**Textron Annual Sampling**	Method:	**SW846 - 8270C SVOC**
Location:	**Textron Wheatfield**		
Project Number	**77631037017.00421320**	Prep:	**1311/3510C**
Laboratory	**Eurofins Buffalo**	SDG #	**480-224935-1**

Data Validation Requirements: **Project QA Plan** DoD EDQW **EPA NFG** Other Guidance

Validation Acceptance Criteria: **Project QA Plan** **DoD QSM** EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☒ Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: IDW-Water

Chain of Custody/ HT Documentation	Complete	Acceptable	Qual for Use
	YES	YES	

QC Completeness Summary	Reviewed	Acceptable	Qual for Use
Hold Times / Preservation	YES	YES	
Field Duplicates	NA	NA	
Surrogate Recoveries	YES	YES	
Method Blanks, etc.	YES	YES	
LCS/LCSD	YES	YES	
MS/MSD	NA	NA	
DFTPP Tune	NA	NA	
Internal Standards	NA	NA	
Initial Calibration	NA	NA	
Continuing Calibration / Second-source	NA	NA	
Manual Integrations	NA	NA	
Data Completeness / Result Rejection	NA	NA	
Result Verification (Stage 3/4 only)	NA	NA	

Reviewed by/Date: KLR **Date:** 3/26/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: None; no action required. *Noted, sample IDW-Water was diluted due to color, appearance and viscosity. Elevated reporting limits are provided.
Field Duplicate (FD) Actions and Qualifiers Applied: NA: not collected for this data set.
Surrogate Actions and Qualifiers Applied: Criteria met, no qualifiers are needed.
Blank Actions Taken and Qualifiers Applied: None; criteria met
LCS / LCSD ActionsTaken and Qualifiers Applied: None; criteria met
MS / MSD ActionsTaken and Qualifiers Applied: NA: not collected for this data set.
DFTPP Tune Actions based on GC-MS Tune Criteria: NA - not required for Level II
Internal Standard Actions: NA - not required for Level II
ICAL / ICV calibration Actions: NA: not required for Level II
CCAL /Second-Source(CCV) Calibration Actions: NA: not required for Level II
Manual Integration Actions: NA - not required for Level II
Result Rejection Actions: NA: not required for Level II
Result Verification: (Stage 3/4) NA: not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?				
All samples received intact, no breakage?				
Preservation requirements met for all samples?				
Hold Times met for all samples?				
All hold times < 2X applied HT?				
Were all Preservation / HT conditions met?				

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Prep Date	Analysis Date	Comments
480-224935-1	IDW-Water	IDW-Water	10/29/2024	Water	Cool < 6C	11/1/2024	11/4/2024	5x
Cooler temp: 4.1°C								

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	Preservation	HT to EXTRACTION	HT TO ANALYSIS	RECOMMENDED ACTION
Water	Cool < 6C	> 7 days	> 40 days	J/UJ all compounds
		> 14 days	> 40 days	R for ND; J-Positives
Soils-	Cool < 6C	> 14 days	> 40 days	J/UJ all compounds
		> 28 days	> 40 days	R for ND; J-Positives

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required. *Noted, sample IDW-Water was diluted due to color, appearance and viscosity. Elevated reporting limits are provided.

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?				
All field RPD within limits?				
Results agree with raw data? (Stage 3/4 only)				

Project-assigned FD Limits:	RPD Water:	**30**	Use RPD 30 as default value
	RPD Soil	**50**	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Stage 3/4 only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	
8270 SVOC						

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA: not collected for this data set.

SURROGATE RECOVERIES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within QSM limits?				
Re-runs acceptable?				
Were surrogates recovered from samples or dilutions?				
All recoveries > minimum recovery levels?				
Surrogate recoveries acceptable?				

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:
Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgement to select best result when sample is re-analyzed.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Comment
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

Criteria met, no qualifiers are needed.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:				
Performed for each batch?				
Field Blanks free of contamination? (ER, MB)				
Sample results ND or > blank action levels?				

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory contaminants (phthalates, etc).
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
MB 480-730839	MB	8270 Cmpds	ND		
LB 480-730761	MB	8270 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

None; criteria met

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?				
All LCS recoveries and RPD acceptable?				
All %R within Control Limits?				
Are any recoveries above control limits? (biased high)				
Are any recoveries below control limits? (biased low)				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?				
Calculation of %R/RPD accurate? (Stage 3/4 only)				

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
RPD LCS - Water:	**20**	Use RPD 20 as default value
RPD LCS - Solid	**20**	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS / LCSD OUTSIDE LABORATORY CONTROL LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		LCS	LCSD		
LCS/LCSD 480-730839	8270 cmpds	OK	OK	OK	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

None; criteria met

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?				
All MS/MSD recoveries and RPDs acceptable?				
All %R within Control Limits?				
Are any recoveries above control limits?				
Are any recoveries below control limits?				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?				
Calculation of %R and RPD correct? (Stage 3/4 only)				

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:	RPD MS/MSD - Water:	**20**	Use RPD 20 as default value
	RPD MS/MSD - Solid	**20**	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Stage 3/4 only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:
Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Stage 3/4 only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

GC/MS INSTRUMENT TUNE (Stage 2B, 3, 4 only)
(Decafluorotriphenylphosphine)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for all initial calibrations?				
Performed for all continuing calibrations and samples?				
Performed every 12 hours - ICAL/CCAL?				
All ion abundances normalized to m/z 198?				
DFTPP criteria within method limits?				

m/z	Ion Abundance Criteria for SW846 8270C
51	30.0 - 60.0% of mass 198
68	Less than 2.0% of mass 69
69	Present
70	Less than 2.0% of mass 69
127	40.0 - 60.0% of mass 198
197	Less than 2.0% of mass 198
198	Base peak, 100% relative abundance*
199	5.0 - 9.0% of mass 198
275	10.0 - 30.0% of mass 198
365	Greater than 1.0% of mass 198
441	Present, but less than mass 443
442	Greater than 40.0 % of mass 198
443	17.0 - 23.0% of mass 442

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data asssociated with non-compliance instrument tune. R

LIST ALL DFTPP TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with DFTPP Tune

DFTPP Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INTERNAL STANDARDS (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
All areas within limits of -50% to +100%?				
All retention times within 30sec of standard IS RT's?				
Are all areas and retention times within specified limits?				

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA:

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Stage 3/4 only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?			
Were manual integrations (MI) properly documented?			
Are reason codes acceptable for MI performed?			
Are manual integrations acceptable?			
Were manual integrations verified? (Stage 3/4 only)			

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Stage 3/4 only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Affected Result	Compound	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Stage 3/4 only)

Manual Integration Actions:

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:				
Calibration for each matrix?				
Calibration for each instrument?				
All ICAL RRFs above 0.05?				
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?				
Alternate-source (ALT) Initial Calibration Verification %D < 25%?				
CCAL within 12 hrs of ICAL?				
All ALT / CCAL RRFs above 0.05?				
Continuing Calibration (CCAL) %D < 20?				
Closing CCAL < CL?				
RRF> 0.05; % D < 20% and Alt Source Std < 25%?				

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits	
RRF ICAL/CCAL	> 0.05	**> 0.05**	
RSD ICAL	< 30	**< 15**	
r^2 ICAL	> 0.99	**> 0.99**	
%D Alt Src	< 25	**< 20**	< 30 for poor performers
%D CCAL	< 20	**< 20**	< 30 for poor performers
Closing CCAL	< 20	**< 50**	

Recommended Actions:

R for non-detects, J-positives if RRF < acceptance limit; J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS: (Stage 2B, 3, 4)

Calibration Instrument	Date/Time	Compound	RRF	%RSD or % D	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL/ICV:
NA: not required for Level II

CCAL:
NA: not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?			
Were multiple results reported that require rejection?			
All results within calibration range of instrument?			
Were re-analyses to correct QC failures acceptable?			

Recalculate one or more sample results using calculations provided by the lab.

Recommended Actions:
Use professional judgment to select the most appropriate result when multiple valid results are available.
Reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	Compound	Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA: not required for Level II

RESULT VERIFICATION (Stage 3/4 only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?			
Were sample results verifiable against raw data?			
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?			
Are all std m/z >10% present in sample?			
Are all RI %D between sample/std < 20%?			
Are any sample m/z >10% not found in std?			
Does TIC compare favorably with reference spectra?			

Recalculate one or more sample results using calculations below or provided by the lab. (Stage 3/4 only)

Aqueous Concentration (ug/L) = $C \times \frac{\textbf{V final}}{\textbf{V initial}}$ **x Dilution Factor**

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\textbf{C x V}}{\textbf{W x S}}$ **x Dilution Factor**

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Concentration	Calculated Result	Comment

Result Verification; Multiple Results; and Unused Data:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST		Checklist DV-PCB
			Revision Rev 1
	Project Name: Former Bell Aerospace Facility; Textron		
	Prepared by/Date: I KLR 3/25/25	Approved by/Date: TCR 03/27/25	

PROJECT INFORMATION

Project/Site	**Textron Off-Site Performance Wells**	Method:	**SW846 -8082A**
Location:	**Textron Wheatfield**	Prep:	**EPA 3510C**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-224935-1**

PCBS

Data Validation Requirements: **Project QA Plan** DoD EDQW **EPA NFG** Other Guidance

Validation Acceptance Criteria: **Project QA Plan** **DoD QSM** EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☐ X Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **IDW-Water**

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	YES	YES	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	YES	YES	
Field Duplicates	NA	NA	
Surrogate Recoveries	YES	YES	
Pesticide Analytical Sequence	YES	YES	
Method Blanks, etc.	YES	YES	
LCS / LCSD	YES	YES	
MS / MSD	NA	NA	
Internal Standards	NA	NA	
Initial Calibration	NA	NA	
Second-Source ICV	NA	NA	
Resolution Check and Endrin / DDT Breakdown	NA	NA	
Continuing Calibration	NA	NA	
Manual Integrations	NA	NA	
Second-column confirmation.	NA	NA	
Data Completeness / Result Rejection	NA	NA	
Result Verification (Stage 3/4 only)	NA	NA	

Reviewed by/Date: KLR **Date:** 3/25/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None; no action required.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
DV actions based on Pesticide Analytical Sequence: **NA: not required for Level II**
Surrogate Actions and Qualifiers Applied: **None; criteria met**
Blank Actions Taken and Qualifiers Applied: **No action required**
LCS / LCSD ActionsTaken and Qualifiers Applied: **None; no action required**
MS / MSD ActionsTaken and Qualifiers Applied: **NA: not collected for this data set/**
ICAL / Second Source Actions: **NA: not required for Level II**
Internal Standard Actions: NA: not required for Level II
Resolution Check and Endrin / DDT Breakdown Actions: **NA: not required for Level II**
CCAL Actions: **NA: not required for Level II**
Manual Integration Actions: **NA: not required for Level II**
Second-Column Confirmation Actions: **NA: not required for Level II**
Result Rejection Actions: **NA: not required for Level II**
Result Verification: (Stage 3/4) **N/A: not required for Level II**

PRESERVATION AND HOLDING TIMES

	YES	NO	ND
All COC and sample documentation complete?			
All samples received intact, no breakage?			
Preservation requirements met for all samples?			
Hold Times met for all samples?			
All hold times < 2X applied HT?			
Were all Preservation / HT conditions met?			

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Field ID	Date Collected	Parameter	Preserv.	Prep. Date	Analysis Date	Comments
480-224935-1	IDW-Water	IDW-Water	10/29/2024	PCBs	Cool < 6C	10/30/2024	10/31/2024	

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	HT to EXTRACTION	HT TO ANALYSIS	RECOMMENDED ACTION
Water	Cool < 6C	> 7 days	> 40 days	J/UJ all compounds
		> 14 days	> 40 days	R for ND; J-Positives
Soils-	Cool < 6C	> 14 days	> 40 days	J/UJ all compounds
		> 28 days	> 40 days	R for ND; J-Positives

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required.	

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?				
All field RPD within limits?				
Results agree with raw data? (Stage 3/4 only)				

Project-assigned FD Limits: RPD Water: **30** Use RPD 30 as default value
RPD Soil **50** Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Stage 3/4 only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Pesticide / PCB	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major Diff.
					#DIV/0!	
PCB-1016						
PCB-1221						
PCB-1232						
PCB-1242						
PCB-1248						
PCB-1254						
PCB-1260						

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ)

NA: not collected for this data set.

SURROGATE RECOVERIES (Stage 2B, 3, 4 only)

	RECOMMENDED DV ACTIONS			
	Recovery %R			
	YES	NO	DETECT	ND
All samples listed?:				
Were all surrogates recovered from samples or dilutions?				
Surrogate recoveries for Column A acceptable?				
Surrogate recoveries for Column B acceptable?				
All recoveries > minimum recovery levels?				
All surrogate RRT within windows?				
Surrogate recoveries acceptable?				

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

TMX 44-124
DCB 14-130 Lab

Recommended Actions:
If any percent recovery is < minimum recovery limits, R-nondetects, J-positives.
Use professional judgement to qualify any samples based on RRT issues.
ND can be quantitated off of either column.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample ID	Analysis Date	TMX		DCB		Re-run % Recovery	Comment
		Col 1	Col 2	Col 1	Col 2	TMX/DCB	

BLANK ANALYSES

RECOMMENDED DV ACTIONS			
Blank Actions			
YES	NO	DETECT	ND

Performed for each matrix?:
Performed for each GC system?:
Field Blanks free of contamination? (ER, MB)
Cleanup required?
Sample results ND or > blank action levels?

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, OR FIELD BLANKS:

Blank ID	Blank Type	Col 1 Col 2	Compound	Conc.	5X Conc.	Comments:
MB 480-730451	MB		PCB's	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

No action required

LABORATORY CONTROL SAMPLE (LCS/LCSD) ANALYSES

	RECOMMENDED DV ACTIONS			
	LCS/LCSD			
	YES	NO	DETECT	ND
LCS or LCSD performed for each matrix?				
All LCS recoveries and RPD acceptable?				
All %R within Control Limits?				
Are any recoveries above control limits? (biased high)				
Are any recoveries below control limits? (biased low)				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?				
Calculation of %R/RPD accurate? (Stage 3/4 only)				

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:

RPD LCS - Water:	**30**	Use RPD 20 as default value
RPD LCS - Solid	**30**	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE LABORATORY LIMITS:

Sample ID	Method	Spike Compound	% Recovery		RPD	Comment
			LCS	LCSD		
LCS/LCSD 480-730451	8082	PCBs	OK	OK	OK	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

None; no action required

MATRIX SPIKE/MATRIX SPIKE DUPLICATE ANALYSES

	RECOMMENDED DV ACTIONS			
	MS/MSD			
	YES	NO	DETECT	ND
Was site-specific MS/MSD collected?				
All MS/MSD recoveries and RPDs acceptable?				
All %R within Control Limits?				
Are any recoveries above control limits?				
Are any recoveries below control limits?				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?				
Calculation of %R and RPD correct? (Stage 3/4 only)				

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

RPD MS/MSD - Water:	30	Use RPD 20 as default value
RPD MS/MSD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Stage 3/4 only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:
Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Stage 3/4 only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Matrix	Spike Compound	% Recovery		RPD	Comments
			MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set/

INTERNAL STANDARDS (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
All areas within limits of -50% to +100%?				
All retention times within 30sec of standard IS RT's?				
Are all areas and retention times within specified limits?				

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA:

Sample Number	Internal Standard	Area	RT	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA: not required for Level II

PESTICIDE ANALYTICAL SEQUENCE (Stage 2B, 3, 4 only)

	RECOMMENDED DV ACTIONS			
	Anal. Sequence			
	YES	NO	DETECT	ND
Initial and continuing standards run in proper sequence?				
Samples analyzed within 14 hours of Instrument Blank?				

Recommended Actions:
Use professional judgement to qualify any samples analyzed outside the 14-hr reun limit.

DV actions based on Pesticide Analytical Sequence:

NA: not required for Level II

PEST/PCB SECOND COLUMN CONFIRMATION

	RECOMMENDED DV ACTIONS			
	Confirmation RPD			
	YES	NO	DETECT	ND
All RRTs within calculated RT windows for each column?				
Are RPD beteween both columns acceptable?				
Is baseline acceptable prior to elution of a-BHC for all samples?				
Are interferences present?				
Are Dilution responses acceptable?				
Are all reported pesticides confirmable?				

Check source of confirmation criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRT window	< 0.1 min.	**< 0.1 min.**
Confirmation RPD	< 25%	**< 25%**
Baseline rrecovery	> 50%	**> 50%**
Dilution response	>10% FS	**>10% FS**

Recommended Actions:
Use professional judgment to qualify the results based on compound identification.
Qualify JN - Tentatively Identified, if presence of compound cannot be verified (High %D).
Reject results if interferences are present

ENTER ALL RESULTS WITH IDENTIFICATION ISSUES:

Sample ID	Pesticide / PCB	Column 1 Result	Colum 2 Result	RPD	RT	Comment

Second-Column Confirmation Actions:

NA: not required for Level II

MANUAL INTEGRATIONS (Stage 3/4 only)

	RECOMMENDED ACTION		
	YES	NO	
Were manual integrations (MI) performed?			
Were manual integrations (MI) properly documented?			
Are reason codes acceptable for MI performed?			
Are manual integrations acceptable?			
Were manual integrations verified? (Stage 3/4 only)			

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Stage 3/4 only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED:

Affected Result	Pesticide/PCB	MI Reason	Page	Comments

Verify any manual integrations that have been performed using calculations provided by the lab (Stage 3/4 only)

Manual Integration Actions:

NA: not required for Level II

INITIAL CALIBRATION (PEST / PCB) (Stage 2B, 3, 4 only)

	RECOMMENDED DV ACTIONS			
	ICAL			
	YES	NO	DETECT	ND
Minimum five point calibration for each instrument?:				
Average Calibration Factors used?				
RSD < CL or Correlation coefficient < CL (0.990 for non-linear)?				
Chlordane multi-peak calibration acceptable?				
Toxaphene multi-peak calibration acceptable?				
Mean RSD < CL (PCBs only)?				
All RRT within windows? (Stage 3/4 only)				
ICAL and Alt Source std acceptable? (RSD and %D)				

Check source of Initial calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RSD ICAL	< 30	**< 20**
r^2 ICAL	> 0.99	**> 0.99**

Recommended Actions:
Estimate results (J/UJ) for ICAL/ICV outside CL.
Use professional judgment to qualify samples based on in-valid or missing calibrations

LIST ANY ICAL RSD > CL or cc < 0.995; or ALT SRC (second-source) ICV > CL:

Calibration Instrument	Date/Time	Pest/PCB	ICAL RSD		Associated Samples
			Col 1	Col 2	

List any pesticides that do not fall within retention time windows (Stage 3/4 only):

ICAL Date	GC-COL Time	Pesticide / PCB	AVE RRT Standard	RRT Sample	

ICAL Actions based on Instrument Calibrations: (J, UJ, R)

NA: not required for Level II

PERFORMANCE EVALUATION MIXTURE (PEM)

RESOLUTION CHECK / ENDRIN / 4,4" DDT BREAKDOWN

	RECOMMENDED DV ACTIONS			
	Column A			
	YES	NO	DETECT	ND
Resolution Check Mixture / PEM analyzed?				
Resolution> 60% for all pesticides?				
Is DDT breakdown acceptable ?				
Is Endrin breakdown acceptable ?				
Is Endrin/DDT combined breakdown acceptable?				
Entries agree with raw data? (Stage 3/4 only)				

Check source of DDT/Endrin acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method **NFG** Other

Generally-applied Limits:

	NFG	Project Limits
Resolution Chk Mix	> 60%	**> 60%**
Resolution of PEM	> 90%	**> 90%**
DDT breakdown	< 15 %	**< 15 %**
Endrin Breakdown	< 15 %	**< 15 %**
Combined Breakdown	< 30 %	**< 30 %**

Recommended Actions:

Use professional judgment to qualify samples based on Endrin/DDT breakdown

Use professional judgment to qualify samples based on poor resolution of check mixture or PEM

LIST ANY ENDRIN / DDT BREAKDOWN OR RESOLUTIONS THAT ARE UNACCEPTABLE:

PEM /Date	Column	Pesticide	% Break down		%	Comment
			Endrin	DDT	Resolution	

Actions based on resolution Checks or Endrin/DDT Breakdown:

NA: not required for Level II

CALIBRATION VERIFICATION PERFORMANCE (Stage 2B, 3, 4 only)

	RECOMMENDED DV ACTIONS			
	ICV / CCV			
	YES	NO	DETECT	ND
ICV/Second-source %D < CL for pesticides?				
ICV/ Second-source %D < CL for PCBs?				
CCV %D < CL? (Pesticides)				
CCV %D < CL ? (Toxaphene/Chlordane)				
CCV %D < CL? (Aroclor 1016 and 1260 for PCBs)				
RT within windows? (Stage 3/4 only)				
All CCAL parameters acceptable?				

Check source of continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
%D ICV / Alt Src - PEST	< 20	**< 20**
%D ICV / Alt Src -PCB	< 15	**< 15**
%D CCV	< 20	**< 20**

Recommended Actions:
If CCV or PEM %D > CL, estimate positive results J. UJ for non detects.
Use professional judgment to qualify for RRT;

LIST ANY %D THAT ARE OUTSIDE CONTROL LIMITS FOR BOTH COLUMNS:

Instrument Calibration	Date/Time	Pest/PCB	ICV / CCV %D Col 1	ICV / CCV %D Col 2	Associated Samples

CCAL and/or PEM Actions based on Instrument Calibrations:

NA: not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	RECOMMENDED DV ACTIONS		
	YES	NO	
Are valid results available for all samples?			
Were multiple results reported that require rejection?			
All results within calibration range of instrument?			
Were re-analyses to correct QC failures acceptable?			

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
Reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	Pesticide / PCB	Result	DIL or RE Result	Reason for Rejection

FLORISIL CARTRIDGE CHECK (If required)

YES	NO	

Florisil Column Check performed?

LIST ALL % RECOVERY OUTSIDE OF LIMITS:

Florisil Cartridge Lot #	% Recovery	Samples and Blanks affected / Comments

DV actions taken based on Florisil check:

NA: not required for Level II

GPC CALIBRATION (If required)

YES	NO	

GPC Calibration Check performed?

LIST ALL % RECOVERY OUTSIDE OF LIMITS:

Pesticide / PCB	% Recovery	Samples and Blanks affected / Comments

DV actions taken based on GPC calibration:

NA: not required for Level II

RESULT VERIFICATION (Stage 3/4 only)

	YES	NO	RECOMMENDED ACTION
Were sample results verifiable against raw data?			
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?			
Are RPD for second-column confirmation acceptable?			
Are chromatograms free of interferences?			

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V_{final}}{V_{initial}}$ **x Dilution Factor**

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ **x Dilution Factor**

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Pesticide / PCB	Reported Concentration	Calculated Result	Comments:

Result Verification;

N/A: not required for Level II

APTIM	DATA VALIDATION CHECKLIST		Checklist DV-VOC
			Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron		
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/2025	

PROJECT INFORMATION

VOLATILE ORGANICS - VOC

Project/Site	**Textron Annual Sampling**	Method:	**SW846 8260C**
Location:	**Textron Wheatfield**	Prep:	**5030C (Purge amd Trap)**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-224936-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples: 89-15(1)

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**Yes**	
Field Duplicates	**NA**	**NA**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**NO**	**NO**
LCS/LCSD	**Yes**	**NO**	**NO**
MS/MSD	**NA**	**NA**	
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date:** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times and preservation requirements were met.

Field Duplicate (FD) Actions and Qualifiers Applied:
NA: not collected for this data set.

Surrogate Actions and Qualifiers Applied:
All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

Blank Actions Taken and Qualifiers Applied:
Chloroform detected in the associated method blank. No action required, chloroform not detected in sample 89-15(1).

LCS / LCSD ActionsTaken and Qualifiers Applied:
Criteria met, no qualifiers needed.

MS / MSD ActionsTaken and Qualifiers Applied:
NA: not collected for this data set.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-224936-1	89-15(1)	89-15(1)	10/29/2024	Water	HCl pH <2	11/01/24	8x
Cooler temp: 4.1°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
					#DIV/0!	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA: not collected for this data set.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
MB 480-730806/8	Method Blank	Chloroform	0.347	1.735	No action required.

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Chloroform detected in the associated method blank. No action required, chloroform not detected in sample 89-15(1).

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:

LCS - RPD Water:	20	Use RPD 20 as default value
LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-730806/6	Chloromethane (68-124%)	125%	NA	NA	NA: assoc sample is non-detect
	Carbon tetrachloride (72-134%)	144%	NA	NA	NA: assoc sample is non-detect
	Dibromochloromethane (75-125%)	132%	NA	NA	NA: assoc sample is non-detect
	Bromoform (61-132%)	149%	NA	NA	NA: assoc sample is non-detect

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers needed.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:
Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD (15)	Comment
		MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data set
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V_{final}}{V_{initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:

Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST		Checklist: DV-RSKSOP-175
			Revision
	Project Name: Former Bell Aerospace Facility; Textron		
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/25	

PROJECT INFORMATION

			Dissolved Gases
Project/Site	**Textron Annual Sampling**	Method:	**RSK-SOP-175, Rev 5**
Location:	**Textron Wheatfield**		
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins Buffalo**	SDG #	**480-224936-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☐ **X** Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **89-15(1)**

Chain of Custody Documentation	**Complete**	**Acceptable Qual for Use**	
	YES	**YES**	

QC Completeness Summary	**Present:**	**Acceptable Qual for Use**	
Hold Times / Preservation	**YES**	**YES**	
Field Duplicates	**NA**	**NA**	
Method Blanks, etc.	**YES**	**YES**	
LCS/LCSD	**YES**	**YES**	
MS/MSD	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Alternate Source Verification (ICV)	**NA**	**NA**	
Continuing Calibrations (CCV)	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Result Verification / Result Rejection	**NA**	**NA**	
Surrogate	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None, criteria was met**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **None; method blank is non-detect**
LCS / LCSD ActionsTaken and Qualifiers Applied: **None; criteria was met**
MS / MSD ActionsTaken and Qualifiers Applied: **NA: not collected for this data set.**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions:: **NA: not required for Level II**
Result Verification and Rejection Actions: **NA: not required for Level II**

METHANE, ETHANE, ETHENE

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	YES	.	PJ-R	PJ-R
All samples received intact, no breakage?	YES		PJ	PJ
Preservation requirements met for all samples?	YES		J	UJ
Hold Times met for all samples?	YES		J	UJ
Were all Preservation/HT conditions met?	YES	.	J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes No

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES **OU1-**

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Prep Date	Analysis Date	Comments
480-224936-1	89-15(1)	89-15(1)	10/29/2024	Water	pH < 2.0	none	10/31/24	44x
Cooler temp: 4.1°C								

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	Temp > 4C	> 14 DAYS	> 28 DAYS
Water	pH < 2.0	---	J/UJ all compounds	R ND / J Positives
	pH > 2.0	---	J/UJ > 7 days	R ND / J Positives

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None, criteria was met

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	YES		PJ	PJ
All field RPD within limits?	YES	.	J	UJ
Results agree with raw data? (Level IV only)	YES		PJ	PJ

Project-assigned FD Limits:

RPD Water:	35	Use RPD 30 as default value
RPD Soil	50	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Analytes	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA: not collected for this data set.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	YES		J	U
Performed for each batch?	YES		PJ	PJ
Field Blanks free of contamination? (ER, MB)	YES		< AL-U	N/A
Sample results ND or > blank action levels?	YES	.	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep					Action	
BLK ID	Blank Type	Matrix	MEE	Conc.	5 X	Comments
MB 480-730571/4	MB	Water	ND			

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

None; method blank is non-detect

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES		J	UJ
All LCS recoveries and RPD acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits? (biased high)	NO	R > UCL	J	None
Are any recoveries below control limits? (biased low)	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits? (LCSD only)	YES		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	YES		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - Water:	20	Use RPD 20 as default value
	LCS %R	80-120	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	MEE	% Rec	Associated Project Samples
LCS/LCSD 480-730571	Methane	OK	
	Ethane	OK	
	Ethene	OK	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

None; criteria was met

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits?	NO	R > UCL	J	N/A
Are any recoveries below control limits?	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits?	YES		J	UJ
Calculation of %R and RPD correct? (Level IV only)	YES		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:			
	MS/MSD - Water:	20	Use RPD 20 as default value
	MS/MSD Recovery	80-120	Use 80-120% as default values

Recalculate one or more MS/MSD %R using the following equation. (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	MEE	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

METHANE, ETHANE, ETHENE

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		R	R
Calibration for each instrument?:	YES		R	R
Minimum of five points?	YES		PJ	PJ
ICAL RSD or Correlation Coefficient acceptable?	YES	.	J	UJ
ICV (Second-Source) within limits?	YES	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**>0.995**
or RSD	30	**20**
%D ICV (Alt Src)	<15%D	**<20%D**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV/Alt Src	
Date	Instrument	MEE	RSD / .cc	% D	Affected Samples

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		PJ	PJ
CCV performed for every 10 samples?	YES		PJ	PJ
CCV within acceptance limits?	YES	.	J	UJ
LLCV within acceptance limits? (if required)	YES		J	UJ, No action
LLCV > acceptance limits? (if required)	YES		J	No action
LLCV < acceptance limits? (if required)	YES		J	UJ
All %R verifications acceptable? (Level IV only)	YES		PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	85-115%	**%D < 20**
%D ICV	70-130%	**%D < 20**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		MEE	CCV % D	ICV % D	Affected Samples
Instrument	Date/Time				

DV Actions based on ICAL and CCAL performance:

ICAL / ICV:
NA: not required for Level II

CCV / LLCV
NA: not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	.		No action
Were manual integrations (MI) properly documented?			Use prof. judgment
Are reason codes acceptable for MI performed?			Use prof. judgment
Are manual integrations acceptable?	.	.	Reject, R
Were manual integrations verified? (Level IV only)			Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

MEE	Affected Result	MI Reason	Page	Comments:

Manual Integration Actions:

NA: not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?			Note impact on data set
Were multiple results reported that require rejection?	.	.	Reject unused, R
All results within calibration range of instrument?			Reject, R
Were re-analyses to correct QC failures acceptable?			Select best result
Were all calculations verifiable? (Level IV only)			Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	MEE	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	MEE	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-WET-CHEM
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/26/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION

Project/Site	**Textron Annual Sampling**	Method:	**SW846 9056A**
Location:	**Textron Wheatfield**		**SM 5310 C-2011 TOCs**
Project Number	**77631037017.00421320**	Prep:	
Laboratory	**Eurofins Buffalo**	SDG #	**480-224936-1**

WET CHEMISTRY

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☐X Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: 89-15(1)

Chain of Custody Documentation	**Complete**	**Acceptable**	**Qual for Use**
	YES	**YES**	

QC Completeness Summary	**Present:**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**YES**	**YES**	
Field Duplicates	**NA**	**NA**	
Method Blanks, etc.	**YES**	**YES**	
Calibration Blanks (CCB)	**YES**	**YES**	
LCS/LCSD	**YES**	**YES**	
MS/MSD	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Alternate Source Verification (ICV)	**NA**	**NA**	
Continuing Calibrations (CCV)	**NA**	**NA**	
Result Verification / Result Rejection	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/26/2025

Co-Reviewer/Date: TCR **Date:** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None; no action required.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **Criteria is met, no qualifiers are needed.**
ICB / CCB Actions: **NA: not required for Level II**
LCS / LCSD ActionsTaken and Qualifiers Applied: **Criteria met, no qualifiers needed.**
MS / MSD ActionsTaken and Qualifiers Applied: **NA: not collected for this data set.**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions:: **NA: not required for Level II**
Result Verification and Rejection Actions: **NA: not required for Level II**

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All sample documentation complete?	.	.	PJ-R	PJ-R
All samples received intact, no breakage?			PJ	PJ
Preservation requirements met for all samples?			J	UJ
Hold Times met for all samples?			J	UJ
Were all Preservation/HT conditions met?	.	.	J	UJ / R

Check source of Hold Times and Preservation for General Chemical parameters

Project QA Plan DoD QSM EPA CLP Method NFG Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES **OU1-**

Laboratory ID	Location	Field ID	Date Collected	Matrix	Parameter	Prep. Date	Analysis Date	Comments
480-224936-1	89-15(1)	89-15(1)	10/29/2024	Water	Sulfate	none	11/05/24	5x
480-224936-1	89-15(1)	89-15(1)	10/29/2024	Water	TOCs	none	11/05/24	10x
Cooler temp: 4.1°C								

Sample HT / Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required.

RECOMMENDED PRESERVATION AND HOLD TIMES FOR COMMON PARAMETERS:

GW	Method	Parameter	Hold Time/Preservation
	310.2	Alkalinity	Cool 4C, 14 days
	350.1	Ammonia	Cool 4C, 28 days
	405.1	BOD	6 hrs on receipt at lab
	325.2	Chloride	Cool 4C, 28 days
	410.4	COD	Cool 4C, 28 days
	SM2510B	Conductivity	6 hrs on receipt at lab
	9010C	Cyanide	Cool 4C, 14 days
	340.2	Fluoride	Cool 4C, 28 days
	130.2	Hardness	180 days, pH<2 HNO3
	1664A	HEM (Oil&Grease)	Cool 4C, 28 days
	353.2	Nitrate/Nitrite	Cool 4C, 28 days
	354.1	Nitrite	Cool 4C, 48 hours
	365.2	ortho-Phosphate	Cool 4C, 48 hours
	9040C	pH	6 hrs on receipt at lab
	420.1	Phenols	28 days pH<2 H2SO4
	375.4	Sulfate	Cool 4C, 28 days
	376.1	Sulfide	7-days zinc acetate, pH>9
	160.1	TDS	Cool 4C, 7 days
	351.2	TKN	Cool 4C, 28 days
	415.1	TOC	28 days pH<2
	365.4	total P	Cool 4C, 28 days
	160.2	TSS	Cool 4C, 7 days
	SM3500Cr-B-D7196A	Cr+6	Cool 4C, 24 hrs

SOLIDS	Method	Parameter	Hold Time/Preservation
	9010C	Cyanide	Cool 4C, 28 days
	SW1010	Flashpoint	Cool 4C
	SW9095	PaintFltrTest	Cool 4C, 14 days
	SW9045D	pH (solids)	6 hrs on receipt at lab
	420.1	Phenols	Cool 4C, 14 days
	SW9030B	Sulfide (reactive)	Cool 4C, 28 days
	Lloyd Kahn(mod)	TOC	28 days, Cool 4C
	SW5050	Total Halides	Cool 4C, 28 days

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	YES		PJ	PJ
All field RPD within limits?	YES	.	J	UJ
Results agree with raw data? (Level IV only)	YES		PJ	PJ

Project-assigned FD Limits:

RPD Water:	35	Use RPD 3	Use RPD 30 as default value
RPD Soil	50	Use RPD 5	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Level IV only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Analyte	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

NA: not collected for this data set.

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS DETECT	RECOMMENDED DV ACTIONS ND
Performed for each matrix and level?:	YES		J	U
Performed for each batch?	YES		PJ	PJ
Field Blanks free of contamination? (ER, MB)	YES		< AL-U	N/A
Sample results ND or > blank action levels?	YES	.	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Method / Prep					Action	
Blank ID	Blank Type	Matrix	Analyte	Conc.	5 X	Comments
MB 480-731242/4	MB	water	Sulfate	ND		
MB 480-731475/4	MB	water	TOC	ND		

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Criteria is met, no qualifiers are needed.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES		J	UJ
All LCS recoveries and RPD acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits? (biased high)	NO	R > UCL	J	None
Are any recoveries below control limits? (biased low)	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits? (LCSD only)	YES		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	YES		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned RPD Limits:				
Water:Anions	15	Water:TOC	20
Solid: Anions	15	Solid: TOC	20
LCS %R	90-110	LCS %R	80-120

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:
LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY SPIKES OUTSIDE LIMITS %R 80-120:

LCS ID	Analyte	LCS % Rec	LCSD % Rec	RPD	Associated Project Samples
LCS 480-731242/5	Sulfate	OK	NA	NA	
LCS 480-731475/5	TOC	OK	NA	NA	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers needed.

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES		PJ	PJ
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES	.	J	UJ
All %R within Control Limits?	YES		J	UJ/R
Are any recoveries above control limits?	NO	R > UCL	J	N/A
Are any recoveries below control limits?	NO	R < LCL	J	UJ
Are any recoveries less than minimum recovery limits?	NO	R < CL	J	R
All RPD within Control Limits?	YES		J	UJ
Calculation of %R and RPD correct? (Level IV only)	YES		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:				
MS/MSD - Water: Anions	15	MS/MSD - Water: TOC	20
MS/MSD - Solid: Anions	15	MS/MSD - Solid: TOC	20
MS/MSD Recovery	90-110	MS/MSD Recovery	80-120

Recalculate one or more MS/MSD %R using the following equation (Level IV only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
MS J/UJ for MS %R < CL; J-positives for MS %R > CL.
MSD J/UJ for RPD > CL

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	Analyte	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

INITIAL CALIBRATION; (ICAL / ICV)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		R	R
Calibration for each instrument?:	YES		R	R
ICAL Correlation Coefficient acceptable?	YES	.	J	UJ
ICV (Second-Source) within limits?	YES	.	J	UJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**> 0.995**
%D ICV (Alt Src)	90-110%	**90-110%**

LIST ALL CORRELATION COEFFICIENT < 0.995; or ICV OUTSIDE LIMITS

Calibration			ICAL	ICV	
Date	Instrument	Analyte	.cc	%Rec	Affected Samples

ICAL / ICV
NA: not required for Level II

CALIBRATION BLANKS (ICB / CCB)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
ICB analyzed after ICV?	YES		PJ	PJ
CCB analyzed after each CCV?	YES		PJ	PJ
ICB/CCB free of contamination?	YES	.	U	No action

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. ☐ Yes ☐ No

LIST ALL ICB/CCB WITH REPORTABLE CONCENTRATIONS OF METALS:

Calibration ICB/CCB		Matrix	Analyte	Conc.	Action 5 X	Comments
Blank Type	Date/Time					

ICB / CCB
NA: not required for Level II

CONTINUING CALIBRATION AND VERIFICATION

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES		PJ	PJ
CCV performed for every 10 samples?	YES		PJ	PJ
CCV within acceptance limits?	YES	.	J	UJ
LLCV within acceptance limits? (if required)	YES		J	UJ, No action
LLCV > acceptance limits? (if required)	YES		J	No action
LLCV < acceptance limits? (if required)	YES		J	UJ
All %R verifications acceptable? (level IV only)	YES		PJ	PJ

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Other

Generally-applied Limits:

	NFG	Project Limits
%D CCV	> 0.995	**> 0.995**
%D LLCV	90-110%	**90-110%**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Level IV only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

Recommended Actions:
Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration		Analyte	CCV %D	LLCV %Rec	Affected Samples
Date/Time	Instrument ID				

DV Actions based on ICAL, CCAL and Calibration Blank performance:

CCV / LLCV
NA: not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Level III, IV)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	YES		Note impact on data set
Were multiple results reported that require rejection?	YES	.	Reject unused, R
All results within calibration range of instrument?	YES		Reject, R
Were re-analyses to correct QC failures acceptable?	YES		Select best result
Were all calculations verifiable? (Level IV only)	YES		Make corrections

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Analysis Date	Analyte	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Level IV only)

Sample ID	Analyte	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-VOC
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/27/25	Approved by/Date: 03/27/25

PROJECT INFORMATION — **VOLATILE ORGANICS - VOC**

Project/Site	**Textron Annual Sampling**	Method:	**SW846 8260C**
Location:	**Textron Wheatfield**	Prep:	**1311 (Leach)**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-226208-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Level I Completeness)
- **X** Level II (QC only)
- ☐ Level III (QC+Calibrations)
- ☐ Level IV (Full validation)

Samples: E-REDOX SOIL

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**Yes**	
Field Duplicates	**NA**	**NA**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**NA**	**NA**	
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/27/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied:
All holding times and preservation requirements were met. No qualification required. *Noted sample E-REDOX SOIL was diluted due to the nature of the TCLP matrix, elevated reporting limits are provided.

Field Duplicate (FD) Actions and Qualifiers Applied:
NA: not collected for this data set.

Surrogate Actions and Qualifiers Applied:
All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

Blank Actions Taken and Qualifiers Applied:
Criteria met, no qualifiers are needed.

LCS / LCSD ActionsTaken and Qualifiers Applied:
Criteria met, no qualifiers are needed.

MS / MSD ActionsTaken and Qualifiers Applied:
NA: not collected for this data set.

BFB Tune Actions based on GC-MS Tune Criteria:
NA - not required for Level II

ICAL / ICV calibration actions and Qualifications:
NA - not required for Level II

CCAL /Second-Source(CCV) calibration Actions:
NA - not required for Level II

Internal Standard Actions and Qualifications:
NA - not required for Level II

Manual Integration Actions:
NA - not required for Level II

Result Rejection Actions:
NA - not required for Level II

Result Verification: (Level IV)
NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-226208-1	E-REDOX SOIL	E-REDOX SOIL	12/11/2024	Solid	Cool < 6C	12/17/2024	10x
Cooler temp: 3.0°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met. No qualification required. *Noted sample E-REDOX SOIL was diluted due to the nature of the TCLP matrix, elevated reporting limits are provided.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:			
	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
					#DIV/0!	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA: not collected for this data set.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
MB 480-735478/8	Method Blank	8260 Cmpds	ND		
LB 480-735355/1-A	Method Blank	8260 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Criteria met, no qualifiers are needed.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:

LCS - RPD Water:	20	Use RPD 20 as default value
LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-735478/6	8260 Compounds	OK	NA	NA	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers are needed.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		
	8260 Compounds				

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data se
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:

Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-Metals-ICP
		Revision Rev 1
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/27/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION

			METALS - ICP
Project/Site	**Textron Annual Sampling**	Method:	**SW846-6010C/7470A**
Location:	**Textron Wheatfield**	Prep:	**1311/3005A/7470A**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-226208-1**

Data Validation Requirements: **Project QA Plan** DoD EDQW **EPA NFG** Other Guidance

Validation Acceptance Criteria: **Project QA Plan** **DoD QSM** EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☐X Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **E-REDOX SOIL**

Chain of Custody Documentation

Complete	Acceptable	Qual for Use
YES	YES	

QC Completeness Summary

	Present:	Acceptable	Qual for Use
Hold Times / Preservation	YES	YES	
Field Duplicates	NA	NA	
Method / Prep Blanks, etc.	YES	NO	YES
ICB / CCB	YES	YES	
LCS/LCSD	YES	YES	
MS/MSD	NA	NA	
Serial Dilution	NA	NA	
Post Digest Spike	NA	NA	
Initial Calibration	NA	NA	
Alternate Source Verification (ICV)	NA	NA	
Continuing Calibration Verifications (CCV)	NA	NA	
Low-level ICV (LLCV)	NA	NA	
Interference Check Sample (ICS)	NA	NA	
Internal Standards	NA	NA	
MS Tuning Sample	NA	NA	
Result Verification / Result Rejection (Stage 3/4 only)	NA	NA	

Reviewed by/Date: KLR **Date:** 3/27/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **None; no action required.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
Blank Actions Taken and Qualifiers Applied: **Arsenic result J+ 06A qualified based on laboratory blank contamination.**
ICB / CCB Actions: **NA: not required for Level II**
LCS / LCSD ActionsTaken and Qualifiers Applied: **No action required**
MS / MSD ActionsTaken and Qualifiers Applied: NA: not collected for this data set.
Serial Dilution ActionsTaken and Qualifiers Applied: **NA: not required for Level II**
Post Digest Spike ActionsTaken and Qualifiers Applied: **NA: not required for Level II**
ICAL / Second Source (ICV) Actions: **NA: not required for Level II**
CCV / LLCV Actions: **NA: not required for Level II**
Interference Check Sample (ICS) Actions: **NA: not required for Level II**
ICP-MS Internal Standard Actions: **NA: not required for Level II**
ICP-MS Tune Actions: **NA: not required for Level II**
Result Verification and Rejection Actions: **NA: not required for Level II**

Metals ICP

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS DETECT	RECOMMENDED DV ACTIONS ND
All COC and sample documentation complete?	YES			
All samples received intact, no breakage?	YES			
Preservation requirements met for all samples?	YES			
Hold Times met for all samples?	YES			
Were all Preservation/HT conditions met?	YES			

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Use professional judgement to qualify samples when filtered/preserved on receipt.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES

Laboratory ID	Location	Field ID	Date Collected	Parameter	Preserv.	Prep. Date	Analysis Date	Comments
480-226208-1	E-REDOX SOIL	E-REDOX SOIL	12/11/2024	6010C/7470A	Cool < 6C	12/17/2024	12/17/2024	

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	NO			
All field RPD within limits?	NA			
Results agree with raw data? (Stage 3/4 only)				

Project-assigned FD Limits: RPD Water: **35** Use RPD 30 as default value
RPD Soil **50** Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Stage 3/4 only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Element	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	

METHOD / PREP AND FIELD BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	YES			
Performed for each batch?	YES			
Field Blanks free of contamination? (ER, MB)	NO			
Sample results ND or > blank action levels?	NO			

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Matrix	Element	Conc.	Action 5 X	Comments
MB 480-735467	MB 6010C	Solid	Metals	ND		
LB 480-735353	LB 6010C	Solid	Arsenic	0.00665 J	0.03325	As result J+; 06A
MB 480-735508	MB 7470A	Solid	Mercury	ND		
LB 480-735353	LB 7470A	Solid	Mercury	ND		

Method and Prep Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Arsenic result J+ 06A qualified based on laboratory blank contamination.

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	YES			
All LCS recoveries and RPD acceptable?	YES			
All %R within Control Limits?	YES			
Are any recoveries above control limits? (biased high)				
Are any recoveries below control limits? (biased low)				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits? (LCSD only)				
Calculation of %R/RPD accurate? (Stage 3/4 only)				

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	LCS - Water:	**20**	Use RPD 20 as default value
	LCS - Solid	**20**	Use RPD 30 as default value
	LCS %R	**QSM v 5**	Use 80-120 as default value

Recalculate one or more LCS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:
LCS < CL (J/UJ); LCS > CL J positives, no action ND.
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgment to qualify ND if LCS not recovered, or below minimum recovery limits

ENTER ALL LABORATORY C0NTROL SAMPLES OUTSIDE LIMITS:

LCS /LCSD ID	Matrix	Element	% Rec	Associated Project Samples
LCS 480-735467	Solid	6010C	OK	
LCS 480-735508	Solid	7470A	OK	

LCS and/or LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

No action required

MATRIX SPIKES AND DUPLICATES (MS/MSD OR MS AND SD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS or MS/MSD collected?	YES			
All MS/MSD or MS and SD recoveries and RPDs acceptable?	YES			
All %R within Control Limits?	YES			
Are any recoveries above control limits?	.			
Are any recoveries below control limits?				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?	YES			
Calculation of %R and RPD correct? (Stage 3/4 only)				

Check source of MS or MS/MSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:		
MS/MSD - Water:	20	Use RPD 20 as default value
MS/MSD - Solid	30	Use RPD 30 as default value
MS/MSD Recovery	QSM v 5	Use 75-125% as default values

Recalculate one or more MS/MSD %R using the following equation (Stage 3/4 only)
Re-calculate one or more Use the RPD using the equation for field duplicates. (Stage 3/4 only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions: (based on NFG - Inorganics)
Include bias qualifiers (e.g. K=high; L=low) if required.
No action is taken if spike amount is less than 4X sample amount
PDS <10 R all results; J/UJ outside CL.
MS <CL and PDS <75, J positives, R for ND; or MS <CL and PDS > 75 J/UJ.
MS outside CL and MS/PDS <75, J/UJ; MS/PDS > CL, J positives.

ENTER ALL MS/MSDs OR MS AND SD WITH %Rs OR RPDs OUTSIDE CONTROL LIMITS:

MS/MSD ID	Element	MS Recovery	MSD Recovery	RPD	Samples Affected

MS/MSD or Matrix Spike (MS) and Sample Duplicate (SD) ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

ICP SERIAL DILUTIONS AND POST DIGEST SPIKE

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was serial dilution and/or PDS performed for each batch?	YES			
Do serial dilution results agree within 10% of originals?	YES			
Sample free of negative interference?	YES			
Was PDS %R within limits?	YES			
All %D; %R verified? (Stage 3/4 only)				

Recalculate one or more %D using the following equation (Stage 3/4 only)

$$\%D = \frac{[I - S]}{I} \times 100$$

I = Initial sample result
S = Serial dilution result

Recommended Actions:
If %D > 10% and sample conc > 100x MDL, J/UJ.
Use professional judgment to assess whether matrix interferences are present.

LIST %DIFFERENCES OUTSIDE CONTROL LIMITS (90-110):

Sample ID	Element	Original Result	Dilution Result	%D	Associated Project Samples

ENTER ALL PDS WITH %Rs OUTSIDE 80-120%:

PDS ID	Element	PDS Recovery

DV actions based on Serial Dilution and Post Digest Spike performance:

Serial Dilution
NA: not required for Level II

PDS
NA: not required for Level II

INITIAL CALIBRATION AND VERIFICATIONS; (ICAL / ICV) (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed before sample analysis?	YES			
Calibration for each instrument?:	YES			
ICAL Correlation Coefficient acceptable?	YES			
ICV (Second-Source) within limits?	YES			
CCV performed for every 10 samples?	YES			
CCV within acceptance limits?	YES			
Performed before sample analysis?	YES			
CRA/CRI or LLCV within acceptance limits?	YES			
CRA/CRI or LLCV > acceptance limits?				
CRA/CRI or LLCV < acceptance limits?				
All %R verifiable? (Stage 3/4 only)				

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICAL - cc.	> 0.995	**> 0.995**
%D ICV (Alt Src)	90-110%	**90-110%**
%D CCV	90-110%	**90-110%**
%D LLCV	70-130%	**80-120 %**

Recalculate one or more ICV, CCV, or LLCV %R using the following equation (Stage 3/4 only):

$$\%D = \frac{\text{ICAL - ICV or CCV (found value)}}{\text{ICAL (initial value)}} \times 100$$

LIST ALL ICV/CCV; OR LLCV OUTSIDE LIMITS

Calibration			ICV	CCV	
Instrument	Date	Element	%Rec	%Rec	Affected Samples

CALIBRATION BLANKS (ICB / CCB) (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
ICB analyzed after ICV?	YES			
CCB analyzed after each CCV?	YES			
ICB/CCB free of contamination?	YES			

Check source of Blank Action criteria applied:

Project QA Plan **DoD QSM** EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes No

LIST ALL ICB/CCB WITH REPORTABLE CONCENTRATIONS OF METALS:

Calibration ICB/CCB					Action	
Cal Blank	Date	Matrix	Element	Conc. (mg/L)	5 X	Comments

Recommended Actions:

Use professional judgment to qualify or reject any results where calibration issues are noted..
LLCV actions are generally applied when results are < 2X the RL.
Qualify samples for blank interferences using the 5X rule.

DV actions based on ICAL, CCAL and Calibration Blank performance:

ICAL / ICV
NA: not required for Level II

CCV / LLCV
NA: not required for Level II

ICB / CCB
NA: not required for Level II

ICP INTERFERENCE CHECK SAMPLE

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Analyzed at beginning and end of day?	YES			
All ICS A/B Within acceptance limits for true value?	YES			
Any ICS A/B > acceptance limit?				
Any ICS A/B < acceptance limit?				
Are all ICS A/B Recoveries > minimum limit?				

Check source of Initial calibration and Initial calibration verification (ICV) acceptance criteria:

Project QA Plan **DoD QSM** EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
ICSA / ICSB	80-120	**80-120**
ICSA A/B Min %R	50%	**50%**

Recalculate one or more ICS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions: (Based on NFG)
Use professional judgment to qualify or reject results if ICSA/B are not present.
Estimate resaults based on high or low bias.
Results are unusable if recoveries are less than minimum levels.

LIST ANY ICS/IS %RECOVERIES OUTSIDE CONTROL LIMITS:

Sample ID	ICS-A Result	ICS A/B Result	%R	Comment
		OK		

DV actions based on ICSA/ICSB Recoveries:

NA: not required for Level II

ICP/MS INTERNAL STANDARDS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Internal stds present in all samples?	YES			
Do IS masses bracket target analytes?	YES			
All areas within relative intensity (RI) of -60% to +125%?	YES			
Was sample reanalyzed at 2X dilution if RI outside limits?				
Was RI outside limits for 2x dilution?				

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
IS relative intensity limits:	-60 - +125	**-60 - +125**

Recommended Actions:
Use professional judgment to qualify results if 2x dilution not performed.

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA:

Sample Number	Internal Standard (Li, Sc, Y, Rh, In, Tb, Ho, Lu, Bi)	% Rec	Comments

DV actions taken based on IS performace:

NA: not required for Level II

ICP-MS INSTRUMENT TUNE (Stage 2B, 3, 4)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for all calibrations?	YES			
Tune performed properly?	YES			
Mass calibrations within 0.1 amu? (Stage 3/4 only)				
% RSD less than 5%? (Stage 3/4 only)				

Recalculate average mass and %RSD using the following equations (Stage 3/4 only)

$$\text{Mean} = \frac{\sum x}{n}$$

x = mass from analysis
n = number of analyses

$$\%\ \text{RSD} = \frac{\sigma_{n-1} \times 100}{x}$$

x = mean
n = number of analyses
σ_{n-1} = std deviation

Recommended Actions:

If tune not performed all results are unusable R.
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).

LIST ANY ICP/MS TUNES OUTSIDE CRITERIA:

Date / Time	ICP/MS ID	Ion Abundances Outside Criteria	Samples Associated to ICP/MS Tune

DV actions taken based on ICP-MS Tune:

NA: not required for Level II

RESULT VERIFICATION / MULTIPLE RESULTS (Stage 2B, 3, 4)

	YES	NO	RECOMMENDED DV ACTIONS
Are valid results available for all samples?	YES		
Were multiple results reported that require rejection?	NO		
All results within calibration range of instrument?			
Were re-analyses to correct QC failures acceptable?			
Were all calculations verifiable? (Stage 3/4 only)			

Recalculate one or more sample results using calculations below or provided by the lab. (Stage 3/4 only)

Aqueous Concentration (ug/L) = $C \times \frac{\text{V final}}{\text{V initial}}$ **x Dilution Factor**

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\text{C x V}}{\text{W x S}}$ **x Dilution Factor**

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results.
Qualify R - unusable results.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	Element	Result	DIL or RE Result	Reason for Rejection

ENTER ALL RESULTS THAT REQUIRE CORRECTION: (Stage 3/4 only)

Sample ID	Element	Reported Concentration	Calculated Result	Comment

Actions based on Result Verification; Data Completeness; and Reporting of Multiple Results:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST		Checklist DV-SVOC
			Revision Rev 1
	Project Name: Former Bell Aerospace Facility; Textron		
	Prepared by/Date: KLR 3/27/25	Approved by/Date: TCR 03/27/25	

PROJECT INFORMATION — **SEMIVOLATILE ORGANICS - SVOC**

Project/Site	**Textron Annual Sampling**	Method:	**SW846 - 8270D SVOC**
Location:	**Textron Wheatfield**		
Project Number	**77631037017.00421320**	Prep:	**1311/3510C**
Laboratory	**Eurofins Buffalo**	SDG #	**480-226208-1**

Data Validation Requirements: **Project QA Plan** DoD EDQW **EPA NFG** Other Guidance

Validation Acceptance Criteria: **Project QA Plan** **DoD QSM** EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☒ Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **E-REDOX SOIL**

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	YES	**YES**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**YES**	**YES**	
Field Duplicates	**NA**	**NA**	
Surrogate Recoveries	**YES**	**YES**	
Method Blanks, etc.	**YES**	**YES**	
LCS/LCSD	**YES**	**YES**	
MS/MSD	**NA**	**NA**	
DFTPP Tune	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Stage 3/4 only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date:** 3/27/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: None; no action required.
Field Duplicate (FD) Actions and Qualifiers Applied: NA: not collected for this data set.
Surrogate Actions and Qualifiers Applied: Criteria met, no qualifiers are needed.
Blank Actions Taken and Qualifiers Applied: None; criteria met
LCS / LCSD ActionsTaken and Qualifiers Applied: None; criteria met
MS / MSD ActionsTaken and Qualifiers Applied: NA: not collected for this data set.
DFTPP Tune Actions based on GC-MS Tune Criteria: NA - not required for Level II
Internal Standard Actions: NA - not required for Level II
ICAL / ICV calibration Actions: NA: not required for Level II
CCAL /Second-Source(CCV) Calibration Actions: NA: not required for Level II
Manual Integration Actions: NA - not required for Level II
Result Rejection Actions: NA: not required for Level II
Result Verification: (Stage 3/4) NA: not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?				
All samples received intact, no breakage?				
Preservation requirements met for all samples?				
Hold Times met for all samples?				
All hold times < 2X applied HT?				
Were all Preservation / HT conditions met?				

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Field ID	Date Collected	Matrix	Preserv.	Prep Date	Analysis Date	Comments
480-226208-1	E-REDOX SOIL	E-REDOX SOIL	12/11/2024	Solid	Cool < 6C	12/17/2024	12/18/2024	
Cooler temp: 3.0°C								

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	Preservation	HT to EXTRACTION	HT TO ANALYSIS	RECOMMENDED ACTION
Water	Cool < 6C	> 7 days	> 40 days	J/UJ all compounds
		> 14 days	> 40 days	R for ND; J-Positives
Soils-	Cool < 6C	> 14 days	> 40 days	J/UJ all compounds
		> 28 days	> 40 days	R for ND; J-Positives

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

None; no action required.

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?				
All field RPD within limits?				
Results agree with raw data? (Stage 3/4 only)				

Project-assigned FD Limits:	RPD Water:	**30**	Use RPD 30 as default value
	RPD Soil	**50**	Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Stage 3/4 only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major diff.
					#DIV/0!	
8270 SVOC						

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA: not collected for this data set.

SURROGATE RECOVERIES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within QSM limits?				
Re-runs acceptable?				
Were surrogates recovered from samples or dilutions?				
All recoveries > minimum recovery levels?				
Surrogate recoveries acceptable?				

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:
Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.
Use professional judgement to select best result when sample is re-analyzed.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Comment
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

Criteria met, no qualifiers are needed.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:				
Performed for each batch?				
Field Blanks free of contamination? (ER, MB)				
Sample results ND or > blank action levels?				

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory contaminants (phthalates, etc).
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
MB 480-735481	MB	8270 Cmpds	ND		
LB 480-735353	MB	8270 Cmpds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

None; criteria met

LABORATORY CONTROL SAMPLE / LCS DUPLICATE (LCS/LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?				
All LCS recoveries and RPD acceptable?				
All %R within Control Limits?				
Are any recoveries above control limits? (biased high)				
Are any recoveries below control limits? (biased low)				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?				
Calculation of %R/RPD accurate? (Stage 3/4 only)				

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
RPD LCS - Water:	**20**	Use RPD 20 as default value
RPD LCS - Solid	**20**	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS / LCSD OUTSIDE LABORATORY CONTROL LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		LCS	LCSD		
LCS/LCSD 480-735481	8270 cmpds	OK	OK	OK	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

None; criteria met

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?				
All MS/MSD recoveries and RPDs acceptable?				
All %R within Control Limits?				
Are any recoveries above control limits?				
Are any recoveries below control limits?				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?				
Calculation of %R and RPD correct? (Stage 3/4 only)				

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:	RPD MS/MSD - Water:	**20**	Use RPD 20 as default value
	RPD MS/MSD - Solid	**20**	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Stage 3/4 only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:
Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Stage 3/4 only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD	Comment
		MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

GC/MS INSTRUMENT TUNE (Stage 2B, 3, 4 only)
(Decafluorotriphenylphosphine)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for all initial calibrations?				
Performed for all continuing calibrations and samples?				
Performed every 12 hours - ICAL/CCAL?				
All ion abundances normalized to m/z 198?				
DFTPP criteria within method limits?				

m/z	Ion Abundance Criteria for SW846 8270C
51	30.0 - 60.0% of mass 198
68	Less than 2.0% of mass 69
69	Present
70	Less than 2.0% of mass 69
127	40.0 - 60.0% of mass 198
197	Less than 2.0% of mass 198
198	Base peak, 100% relative abundance*
199	5.0 - 9.0% of mass 198
275	10.0 - 30.0% of mass 198
365	Greater than 1.0% of mass 198
441	Present, but less than mass 443
442	Greater than 40.0 % of mass 198
443	17.0 - 23.0% of mass 442

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data asssociated with non-compliance instrument tune. R

LIST ALL DFTPP TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with DFTPP Tune

DFTPP Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INTERNAL STANDARDS (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
All areas within limits of -50% to +100%?				
All retention times within 30sec of standard IS RT's?				
Are all areas and retention times within specified limits?				

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA:

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Stage 3/4 only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?			
Were manual integrations (MI) properly documented?			
Are reason codes acceptable for MI performed?			
Are manual integrations acceptable?			
Were manual integrations verified? (Stage 3/4 only)			

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Stage 3/4 only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Affected Result	Compound	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Stage 3/4 only)

Manual Integration Actions:

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:				
Calibration for each matrix?				
Calibration for each instrument?				
All ICAL RRFs above 0.05?				
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?				
Alternate-source (ALT) Initial Calibration Verification %D < 25%?				
CCAL within 12 hrs of ICAL?				
All ALT / CCAL RRFs above 0.05?				
Continuing Calibration (CCAL) %D < 20?				
Closing CCAL < CL?				
RRF> 0.05; % D < 20% and Alt Source Std < 25%?				

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits	
RRF ICAL/CCAL	> 0.05	**> 0.05**	
RSD ICAL	< 30	**< 15**	
r^2 ICAL	> 0.99	**> 0.99**	
%D Alt Src	< 25	**< 20**	< 30 for poor performers
%D CCAL	< 20	**< 20**	< 30 for poor performers
Closing CCAL	< 20	**< 50**	

Recommended Actions:

R for non-detects, J-positives if RRF < acceptance limit; J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS: (Stage 2B, 3, 4)

Calibration Instrument	Date/Time	Compound	RRF	%RSD or % D	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL/ICV:
NA: not required for Level II

CCAL:
NA: not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?			
Were multiple results reported that require rejection?			
All results within calibration range of instrument?			
Were re-analyses to correct QC failures acceptable?			

Recalculate one or more sample results using calculations provided by the lab.

Recommended Actions:
Use professional judgment to select the most appropriate result when multiple valid results are available.
Reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	Compound	Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA: not required for Level II

RESULT VERIFICATION (Stage 3/4 only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?			
Were sample results verifiable against raw data?			
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?			
Are all std m/z >10% present in sample?			
Are all RI %D between sample/std < 20%?			
Are any sample m/z >10% not found in std?			
Does TIC compare favorably with reference spectra?			

Recalculate one or more sample results using calculations below or provided by the lab. (Stage 3/4 only)

Aqueous Concentration (ug/L) = $C \times \frac{\textbf{V final}}{\textbf{V initial}}$ **x Dilution Factor**

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{\textbf{C x V}}{\textbf{W x S}}$ **x Dilution Factor**

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Concentration	Calculated Result	Comment

Result Verification; Multiple Results; and Unused Data:

NA: not required for Level II

APTIM	DATA VALIDATION CHECKLIST		Checklist DV-PCB
			Revision Rev 1
	Project Name: Former Bell Aerospace Facility; Textron		
	Prepared by/Date: I KLR 3/27/25	Approved by/Date: TCR 03/27/25	

PROJECT INFORMATION

Project/Site	**Textron Off-Site Performance Wells**	Method:	**SW846 -8082A**
Location:	**Textron Wheatfield**	Prep:	**EPA 3550C**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-226208-1**

PCBS

Data Validation Requirements: **Project QA Plan** DoD EDQW **EPA NFG** Other Guidance

Validation Acceptance Criteria: **Project QA Plan** **DoD QSM** EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:

- ☐ Stage 1 Completeness Screening)
- ☐ X Stage 2A (Stage 1 + QC results)
- ☐ Stage 2B (QC+Calibrations)
- ☐ Stage 3 (Stage 2B + calcs)
- ☐ Stage 4 (Full validation)

Samples: **E-REDOX SOIL**

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	YES	YES	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	YES	YES	
Field Duplicates	NA	NA	
Surrogate Recoveries	YES	YES	
Pesticide Analytical Sequence	YES	YES	
Method Blanks, etc.	YES	YES	
LCS / LCSD	YES	YES	
MS / MSD	NA	NA	
Internal Standards	NA	NA	
Initial Calibration	NA	NA	
Second-Source ICV	NA	NA	
Resolution Check and Endrin / DDT Breakdown	NA	NA	
Continuing Calibration	NA	NA	
Manual Integrations	NA	NA	
Second-column confirmation.	NA	NA	
Data Completeness / Result Rejection	NA	NA	
Result Verification (Stage 3/4 only)	NA	NA	

Reviewed by/Date: KLR **Date:** 3/27/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: **Cooler temp = 3oC. None; no action required.**
Field Duplicate Actions and Qualifiers Applied: **NA: not collected for this data set.**
DV actions based on Pesticide Analytical Sequence: **NA: not required for Level II**
Surrogate Actions and Qualifiers Applied: **None; criteria met**
Blank Actions Taken and Qualifiers Applied: **No action required**
LCS / LCSD ActionsTaken and Qualifiers Applied: **None; no action required**
MS / MSD ActionsTaken and Qualifiers Applied: **NA: not collected for this data set/**
ICAL / Second Source Actions: **NA: not required for Level II**
Internal Standard Actions: NA: not required for Level II
Resolution Check and Endrin / DDT Breakdown Actions: **NA: not required for Level II**
CCAL Actions: **NA: not required for Level II**
Manual Integration Actions: **NA: not required for Level II**
Second-Column Confirmation Actions: **NA: not required for Level II**
Result Rejection Actions: **NA: not required for Level II**
Result Verification: (Stage 3/4) **N/A: not required for Level II**

PRESERVATION AND HOLDING TIMES

	YES	NO	ND
All COC and sample documentation complete?			
All samples received intact, no breakage?			
Preservation requirements met for all samples?			
Hold Times met for all samples?			
All hold times < 2X applied HT?			
Were all Preservation / HT conditions met?			

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (freezing, breakage, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Field ID	Date Collected	Parameter	Preserv.	Prep. Date	Analysis Date	Comments
480-226208-1	E-REDOX SOIL	E-REDOX SOIL	12/11/2024	PCBs	Cool < 6C	12/12/2024	12/12/2024	

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	HT to EXTRACTION	HT TO ANALYSIS	RECOMMENDED ACTION
Water	Cool < 6C	> 7 days	> 40 days	J/UJ all compounds
		> 14 days	> 40 days	R for ND; J-Positives
Soils-	Cool < 6C	> 14 days	> 40 days	J/UJ all compounds
		> 28 days	> 40 days	R for ND; J-Positives

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

Cooler temp = 3°C. None; no action required.

FIELD DUPLICATES / FIELD SPLITS
(Determine RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?				
All field RPD within limits?				
Results agree with raw data? (Stage 3/4 only)				

Project-assigned FD Limits: RPD Water: **30** Use RPD 30 as default value
RPD Soil **50** Use RPD 50 as default value

Recalculate one or more RPD using the following equation (Stage 3/4 only)

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Pesticide / PCB	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	Field Split Major Diff.
					#DIV/0!	
PCB-1016						
PCB-1221						
PCB-1232						
PCB-1242						
PCB-1248						
PCB-1254						
PCB-1260						

Field Duplicate Actions and Qualifiers Applied: (e.g ,J, UJ)

NA: not collected for this data set.

SURROGATE RECOVERIES (Stage 2B, 3, 4 only)

	RECOMMENDED DV ACTIONS			
	Recovery %R			
	YES	NO	DETECT	ND
All samples listed?:				
Were all surrogates recovered from samples or dilutions?				
Surrogate recoveries for Column A acceptable?				
Surrogate recoveries for Column B acceptable?				
All recoveries > minimum recovery levels?				
All surrogate RRT within windows?				
Surrogate recoveries acceptable?				

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

TMX 44-124
DCB 14-130 Lab

Recommended Actions:
If any percent recovery is < minimum recovery limits, R-nondetects, J-positives.
Use professional judgement to qualify any samples based on RRT issues.
ND can be quantitated off of either column.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample ID	Analysis Date	TMX		DCB		Re-run % Recovery	Comment
		Col 1	Col 2	Col 1	Col 2	TMX/DCB	

BLANK ANALYSES

RECOMMENDED DV ACTIONS			
Blank Actions			
YES	NO	DETECT	ND

Performed for each matrix?:
Performed for each GC system?:
Field Blanks free of contamination? (ER, MB)
Cleanup required?
Sample results ND or > blank action levels?

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 5X rule for other target compounds found in blanks.
Use professional judgement to qualify samples based on missing blanks, etc.

LIST CONTAMINANTS DETECTED IN METHOD, OR FIELD BLANKS:

Blank ID	Blank Type	Col 1 Col 2	Compound	Conc.	5X Conc.	Comments:
MB 480-735069	MB		PCB's	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

No action required

LABORATORY CONTROL SAMPLE (LCS/LCSD) ANALYSES

	RECOMMENDED DV ACTIONS			
	LCS/LCSD			
	YES	NO	DETECT	ND
LCS or LCSD performed for each matrix?				
All LCS recoveries and RPD acceptable?				
All %R within Control Limits?				
Are any recoveries above control limits? (biased high)				
Are any recoveries below control limits? (biased low)				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?				
Calculation of %R/RPD accurate? (Stage 3/4 only)				

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:			
	RPD LCS - Water:	30	Use RPD 20 as default value
	RPD LCS - Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Stage 3/4 only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE LABORATORY LIMITS:

Sample ID	Method	Spike Compound	% Recovery		RPD	Comment
			LCS	LCSD		
LCS 480-735069	8082	PCBs	OK	OK	OK	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

None; no action required

MATRIX SPIKE/MATRIX SPIKE DUPLICATE ANALYSES

	RECOMMENDED DV ACTIONS			
	MS/MSD			
	YES	NO	DETECT	ND
Was site-specific MS/MSD collected?				
All MS/MSD recoveries and RPDs acceptable?				
All %R within Control Limits?				
Are any recoveries above control limits?				
Are any recoveries below control limits?				
Are any recoveries less than minimum recovery limits?				
All RPD within Control Limits?				
Calculation of %R and RPD correct? (Stage 3/4 only)				

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

RPD MS/MSD - Water:	30	Use RPD 20 as default value
RPD MS/MSD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Stage 3/4 only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:
Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Stage 3/4 only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Matrix	Spike Compound	% Recovery		RPD	Comments
			MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set/

INTERNAL STANDARDS (Stage 2B, 3, 4 only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
All areas within limits of -50% to +100%?				
All retention times within 30sec of standard IS RT's?				
Are all areas and retention times within specified limits?				

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA:

Sample Number	Internal Standard	Area	RT	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA: not required for Level II

PESTICIDE ANALYTICAL SEQUENCE (Stage 2B, 3, 4 only)

	RECOMMENDED DV ACTIONS			
	Anal. Sequence			
	YES	NO	DETECT	ND
Initial and continuing standards run in proper sequence?				
Samples analyzed within 14 hours of Instrument Blank?				

Recommended Actions:
Use professional judgement to qualify any samples analyzed outside the 14-hr reun limit.

DV actions based on Pesticide Analytical Sequence:

NA: not required for Level II

PEST/PCB SECOND COLUMN CONFIRMATION

	RECOMMENDED DV ACTIONS			
	Confirmation RPD			
	YES	NO	DETECT	ND
All RRTs within calculated RT windows for each column?				
Are RPD beteween both columns acceptable?				
Is baseline acceptable prior to elution of a-BHC for all samples?				
Are interferences present?				
Are Dilution responses acceptable?				
Are all reported pesticides confirmable?				

Check source of confirmation criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRT window	< 0.1 min.	**< 0.1 min.**
Confirmation RPD	< 25%	**< 25%**
Baseline rrecovery	> 50%	**> 50%**
Dilution response	>10% FS	**>10% FS**

Recommended Actions:
Use professional judgment to qualify the results based on compound identification.
Qualify JN - Tentatively Identified, if presence of compound cannot be verified (High %D).
Reject results if interferences are present

ENTER ALL RESULTS WITH IDENTIFICATION ISSUES:

Sample ID	Pesticide / PCB	Column 1 Result	Colum 2 Result	RPD	RT	Comment

Second-Column Confirmation Actions:

NA: not required for Level II

MANUAL INTEGRATIONS (Stage 3/4 only)

	RECOMMENDED ACTION		
	YES	NO	
Were manual integrations (MI) performed?			
Were manual integrations (MI) properly documented?			
Are reason codes acceptable for MI performed?			
Are manual integrations acceptable?			
Were manual integrations verified? (Stage 3/4 only)			

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Stage 3/4 only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED:

Affected Result	Pesticide/PCB	MI Reason	Page	Comments

Verify any manual integrations that have been performed using calculations provided by the lab (Stage 3/4 only)

Manual Integration Actions:

NA: not required for Level II

INITIAL CALIBRATION (PEST / PCB) (Stage 2B, 3, 4 only)

	RECOMMENDED DV ACTIONS			
	ICAL			
	YES	NO	DETECT	ND
Minimum five point calibration for each instrument?:				
Average Calibration Factors used?				
RSD < CL or Correlation coefficient < CL (0.990 for non-linear)?				
Chlordane multi-peak calibration acceptable?				
Toxaphene multi-peak calibration acceptable?				
Mean RSD < CL (PCBs only)?				
All RRT within windows? (Stage 3/4 only)				
ICAL and Alt Source std acceptable? (RSD and %D)				

Check source of Initial calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RSD ICAL	< 30	**< 20**
r^2 ICAL	> 0.99	**> 0.99**

Recommended Actions:
Estimate results (J/UJ) for ICAL/ICV outside CL.
Use professional judgment to qualify samples based on in-valid or missing calibrations

LIST ANY ICAL RSD > CL or cc < 0.995; or ALT SRC (second-source) ICV > CL:

Calibration Instrument	Date/Time	Pest/PCB	ICAL RSD		Associated Samples
			Col 1	Col 2	

List any pesticides that do not fall within retention time windows (Stage 3/4 only):

ICAL Date	GC-COL Time	Pesticide / PCB	AVE RRT Standard	RRT Sample	

ICAL Actions based on Instrument Calibrations: (J, UJ, R)

NA: not required for Level II

PERFORMANCE EVALUATION MIXTURE (PEM)

RESOLUTION CHECK / ENDRIN / 4,4" DDT BREAKDOWN

	RECOMMENDED DV ACTIONS			
	Column A			
	YES	NO	DETECT	ND
Resolution Check Mixture / PEM analyzed?				
Resolution> 60% for all pesticides?				
Is DDT breakdown acceptable ?				
Is Endrin breakdown acceptable ?				
Is Endrin/DDT combined breakdown acceptable?				
Entries agree with raw data? (Stage 3/4 only)				

Check source of DDT/Endrin acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method **NFG** Other

Generally-applied Limits:

	NFG	Project Limits
Resolution Chk Mix	> 60%	**> 60%**
Resolution of PEM	> 90%	**> 90%**
DDT breakdown	< 15 %	**< 15 %**
Endrin Breakdown	< 15 %	**< 15 %**
Combined Breakdown	< 30 %	**< 30 %**

Recommended Actions:

Use professional judgment to qualify samples based on Endrin/DDT breakdown

Use professional judgment to qualify samples based on poor resolution of check mixture or PEM

LIST ANY ENDRIN / DDT BREAKDOWN OR RESOLUTIONS THAT ARE UNACCEPTABLE:

PEM /Date	Column	Pesticide	% Break down		%	Comment
			Endrin	DDT	Resolution	

Actions based on resolution Checks or Endrin/DDT Breakdown:

NA: not required for Level II

CALIBRATION VERIFICATION PERFORMANCE (Stage 2B, 3, 4 only)

	RECOMMENDED DV ACTIONS			
	ICV / CCV			
	YES	NO	DETECT	ND
ICV/Second-source %D < CL for pesticides?				
ICV/ Second-source %D < CL for PCBs?				
CCV %D < CL? (Pesticides)				
CCV %D < CL ? (Toxaphene/Chlordane)				
CCV %D < CL? (Aroclor 1016 and 1260 for PCBs)				
RT within windows? (Stage 3/4 only)				
All CCAL parameters acceptable?				

Check source of continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
%D ICV / Alt Src - PEST	< 20	**< 20**
%D ICV / Alt Src -PCB	< 15	**< 15**
%D CCV	< 20	**< 20**

Recommended Actions:
If CCV or PEM %D > CL, estimate positive results J. UJ for non detects.
Use professional judgment to qualify for RRT;

LIST ANY %D THAT ARE OUTSIDE CONTROL LIMITS FOR BOTH COLUMNS:

Instrument Calibration	Date/Time	Pest/PCB	ICV / CCV %D Col 1	ICV / CCV %D Col 2	Associated Samples

CCAL and/or PEM Actions based on Instrument Calibrations:

NA: not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	RECOMMENDED DV ACTIONS		
	YES	NO	
Are valid results available for all samples?			
Were multiple results reported that require rejection?			
All results within calibration range of instrument?			
Were re-analyses to correct QC failures acceptable?			

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
Reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibation range)

Sample ID	Dilution	Pesticide / PCB	Result	DIL or RE Result	Reason for Rejection

FLORISIL CARTRIDGE CHECK (If required)

YES	NO	

Florisil Column Check performed?

LIST ALL % RECOVERY OUTSIDE OF LIMITS:

Florisil Cartridge Lot #	% Recovery	Samples and Blanks affected / Comments

DV actions taken based on Florisil check:

NA: not required for Level II

GPC CALIBRATION (If required)

YES	NO	

GPC Calibration Check performed?

LIST ALL % RECOVERY OUTSIDE OF LIMITS:

Pesticide / PCB	% Recovery	Samples and Blanks affected / Comments

DV actions taken based on GPC calibration:

NA: not required for Level II

RESULT VERIFICATION (Stage 3/4 only)

	YES	NO	RECOMMENDED ACTION
Were sample results verifiable against raw data?			
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?			
Are RPD for second-column confirmation acceptable?			
Are chromatograms free of interferences?			

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V_{final}}{V_{initial}}$ **x Dilution Factor**

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ **x Dilution Factor**

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:
Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Pesticide / PCB	Reported Concentration	Calculated Result	Comments:

Result Verification;

N/A: not required for Level II

APTIM	DATA VALIDATION CHECKLIST	Checklist DV-VOC
		Revision Rev 0.0
	Project Name: Former Bell Aerospace Facility; Textron	
	Prepared by/Date: KLR 3/27/25	Approved by/Date: TCR 03/27/25

PROJECT INFORMATION — **VOLATILE ORGANICS - VOC**

Project/Site	**Textron Annual Sampling**	Method:	**SW846 8260C**
Location:	**Textron Wheatfield**	Prep:	**5030C (Purge amd Trap)**
Project Number	**77631037017.00421320**		
Laboratory	**Eurofins Buffalo**	SDG #	**480-226395-1**

Data Validation Requirements: **Project QA Plan** WP or Site QA Plan EPA NFG Other Guidance

Validation Acceptance Criteria: **Project QA Plan** DoD QSM EPA CLP Lab In-house Other

Special Data Flagging requirements: (Describe)

SDG / Case Narrative Review:	**Samples:**
	87-04(0)
	87-13(0)
☐ Level I Completeness)	87-15(0)
X Level II (QC only)	87-17(0)
☐ Level III (QC+Calibrations)	B-8(0)
☐ Level IV (Full validation)	TRIP BLANK

Chain of Custody/ HT Documentation	**Complete**	**Acceptable**	**Qual for Use**
	Yes	**Yes**	

QC Completeness Summary	**Reviewed**	**Acceptable**	**Qual for Use**
Hold Times / Preservation	**Yes**	**Yes**	
Field Duplicates	**NA**	**NA**	
Surrogate Recoveries	**Yes**	**Yes**	
Method Blanks, etc.	**Yes**	**Yes**	
LCS/LCSD	**Yes**	**Yes**	
MS/MSD	**NA**	**NA**	
BFB Tune	**NA**	**NA**	
Initial Calibration	**NA**	**NA**	
Continuing Calibration / Second-source	**NA**	**NA**	
Internal Standards	**NA**	**NA**	
Manual Integrations	**NA**	**NA**	
Data Completeness / Result Rejection	**NA**	**NA**	
Result Verification (Level IV only)	**NA**	**NA**	

Reviewed by/Date: KLR **Date** 3/27/2025

Co-Reviewer/Date: TCR **Date** 3/27/2025

SUMMARY OF DATA VALIDATION ACTIONS

Sample HT / Preservation Actions and Qualifiers Applied: All holding times and preservation requirements were met.
Field Duplicate (FD) Actions and Qualifiers Applied: NA: not collected for this data set.
Surrogate Actions and Qualifiers Applied: All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.
Blank Actions Taken and Qualifiers Applied: Criteria met, no qualifiers needed.
LCS / LCSD ActionsTaken and Qualifiers Applied: Criteria met, no qualifiers needed.
MS / MSD ActionsTaken and Qualifiers Applied: NA: not collected for this data set.
BFB Tune Actions based on GC-MS Tune Criteria: NA - not required for Level II
ICAL / ICV calibration actions and Qualifications: NA - not required for Level II
CCAL /Second-Source(CCV) calibration Actions: NA - not required for Level II
Internal Standard Actions and Qualifications: NA - not required for Level II
Manual Integration Actions: NA - not required for Level II
Result Rejection Actions: NA - not required for Level II
Result Verification: (Level IV) NA - not required for Level II

PRESERVATION AND HOLDING TIMES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
All COC and sample documentation complete?	Yes		PJ-R	PJ-R
All samples received intact, no bubbles?	Yes		PJ	PJ
Preservation requirements met for all samples?	Yes		J	UJ
Hold Times met for all samples?	Yes		J	UJ
All hold times < 2X applied HT?	Yes		J	R
Were all Preservation / HT conditions met?	Yes		J	UJ / R

Recommended Actions:

Qualify results outside of preservation/holding time criteria as indicated.
Non-detects are generally rejected R if the HT > 2X the recommended hold time.
Use professional judgment to qualify other issues (e.g. Aromatics > 7 days, freezing, bubbles, etc.)

LIST ALL PROJECT SAMPLES:

Laboratory ID	Location	Client ID	Date Collected	Matrix	Preserv.	Analysis Date	Comments
480-226395-1	87-04(0)	87-04(0)	12/16/2024	Water	HCl pH <2	12/18/24	
480-226395-2	87-13(0)	87-13(0)	12/17/2024	Water	HCl pH <2	12/18/24	2x
480-226395-3	87-15(0)	87-15(0)	12/17/2024	Water	HCl pH <2	12/18/24	
480-226395-4	87-17(0)	87-17(0)	12/16/2024	Water	HCl pH <2	12/18/24	50x
480-226395-5	B-8(0)	B-8(0)	12/17/2024	Water	HCl pH <2	12/18/24	
480-226395-6	TRIP BLANK	TRIP BLANK	12/17/2024	Water	HCl pH <2	12/18/24	**TB**
Cooler temp: 4.1°C							

RECOMMENDED HOLD TIME AND PRESERVATION ACTIONS:

MATRIX	PRESERVATION	> 7 DAYS	> 14 DAYS
Water	None or pH > 2.0	J/UJ all compounds	R ND / J Positives
	Cool < 6C	J/UJ Aromatics	R ND / J Positives
	pH <2.0	No action	J/UJ all compounds
Soils- Encore (48 hrs)	Cool < 6C - HT = 48 Hrs	>HT-J/U J - all compounds	>2x HT - R ND/J Positives
Soils- TerraCore	Field extracted Method 5035	No action	J/UJ all compounds

Sample HT/Preservation Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All holding times and preservation requirements were met.

FIELD DUPLICATES / FIELD SPLITS
(Calculate RPDs for positive results only)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Field duplicates collected?	Yes		PJ	PJ
All field RPD within limits?		No	J	UJ
Results agree with raw data? (Level IV only):	NA		PJ	PJ

Project-assigned FD Limits:	RPD - Water:	30	Use RPD 30 as default value
	RPD - Soil	50	Use RPD 50 as default value

Example calculation: **(Orig.Samp -Dup result) (/ ((Orig samp. + Dup result) / 2) = RPD**

Recommended Actions:
Generally only the Original Sample and Field Duplicate are qualified based on field precision.
Qualify as estimated J/UJ if RPD > UCL for water or soil.

ENTER ALL POSITIVE RESULTS FOR ORIGINAL SAMPLE AND DUPLICATE, CALCULATE RPD:

Compound	Original Sample ID	Result	Duplicate Sample ID	Result	RPD	RPD > CL
					#DIV/0!	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

NA: not collected for this data set.

SURROGATE RECOVERIES - DMCs

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Surrogate recovery ranges fall within limits?	Yes		J	UJ
Re-runs acceptable if required?	Yes		PJ	PJ
Were surrogates recovered from samples or dilutions?	Yes		PJ	PJ-R
All recoveries > minimum recovery levels?	Yes		J	PJ-R
Surrogate recoveries acceptable?	Yes		J	UJ

Check source of Surrogate Limits applied:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Recommended Actions:

Non-detects are unusable for recoveries < minimum; J/UJ for low recoveries; J-positives for high recoveries
Include bias qualifiers (e.g. K=high; L=low) if required.

LIST ALL RECOVERIES OUTSIDE METHOD OR LABORATORY LIMITS:

Sample Number	Surrogate Compound	Original % R	Re-run % R	Action taken
	All acceptable			

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

All spike surrogate recoveries met internal laboratory control limits. No qualification of the data is required.

BLANK ANALYSES

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Performed for each matrix and level?:	Yes		J	U
Performed for each batch?	Yes		PJ	PJ
Field Blanks free of contamination? (TB, ER, MB)		No	< AL-U	N/A
Sample results ND or > blank action levels?		No	< AL-U	N/A

Check source of Blank Action criteria applied:

Project QA Plan DoD QSM EPA CLP Other

Note if DV protocol requires raising RL to blank action level. Yes **No**

Recommended Actions:
Apply 10X rule for common laboratory solvents (acetone, methylene chloride,2-butanone, toluene, etc.).
Apply 5X rule for other target compounds found in blanks.

LIST CONTAMINANTS DETECTED IN METHOD, FIELD, TRIP, OR EQUIPMENT BLANKS:

Blank ID	Blank Type	Compound	Conc.	Action Level	Affected Samples
TRIP BLANK	TB	8260 Compounds	ND		
MB 480-735581/8	Method Blank	8260 Compounds	ND		
MB 480-735594/8	Method Blank	8260 Compounds	ND		

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Criteria met, no qualifiers needed.

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
LCS or LCSD performed for each matrix?	Yes		J	UJ
All LCS recoveries and RPD acceptable?	Yes		J	UJ
All %R within Control Limits?	Yes		J	UJ/R
Are any recoveries above control limits? (biased high)	No	R > CL	J	None
Are any recoveries below control limits? (biased low)	No	R < CL	J	UJ
Are any recoveries less than 10 %?	No	R < 10%	J	R
All RPD within Control Limits?	Yes		J	UJ
Calculation of %R/RPD accurate? (Level IV only)	NA		PJ	PJ

Check source of LCS/LCSD Recovery Limits for individual compounds:

Project QA Plan **DoD QSM** EPA CLP Lab In-house Other

Project-assigned RPD Limits:

LCS - RPD Water:	20	Use RPD 20 as default value
LCS - RPD Solid	30	Use RPD 30 as default value

Recalculate one or more LCS %R using the following equation (Level IV only)

$$\%R = \frac{\text{Found (value)}}{\text{True (value)}} \times 100$$

Recommended Actions:

Use professional judgment to qualify ND where %R <20%; J/UJ low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.

ENTER ALL LCS/LCSD OUTSIDE CONTROL LIMITS:

LCS /LCSD ID	Spike Compound	% Recovery		RPD	Affected Samples
		LCS	LCSD		
LCS 480-735594/6	8260 Compounds	OK	NA	NA	
LCS 480-735581/6	8260 Compounds	OK	NA	NA	

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

Criteria met, no qualifiers needed.

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

	YES	NO	RECOMMENDED DV ACTIONS	
			DETECT	ND
Was site-specific MS/MSD collected?	No		N/A	N/A
All MS/MSD recoveries and RPDs acceptable?	NA		J	UJ
All %R within Control Limits?	NA		J	UJ/R
Are any recoveries above control limits?	NA	R > CL	J	N/A
Are any recoveries below control limits?	NA	R < CL	J	UJ
Are any recoveries less than minimum limit?	NA	R < 10%	J	R
All RPD within Control Limits?	NA		J	UJ
Calculation of %R and RPD correct? (Level IV only)	NA		PJ	PJ

Check source of MS/MSD Recovery Limits for individual compounds:

Project QA Plan DoD QSM EPA CLP Lab In-house Other

Project-assigned MS/MSD Limits:

MS/MSD RPD - Water:	20	Use RPD 20 as default value
MS/MSD RPD - Solid	30	Use RPD 30 as default value

Recalculate one or more MS/MSD %R using the following equation (Level IV only)

$$\%R = \frac{SSR - SR}{SA} \times 100$$

SSR = Spiked sample result
SR = Sample result
SA = Spike added

Recommended Actions:
Use professional judgment to qualify ND based on minimum recovery; J/UJ for low %R; J-positives for high %R
Include bias qualifiers (e.g. K=high; L=low) if required.
Re-calculate one or more recoveries and RPD (Level IV only)

ENTER ALL MS/MSD OUTSIDE LABORATORY LIMITS:

Sample ID	Spike Compound	% Recovery		RPD (15)	Comment
		MS	MSD		

MS / MSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

NA: not collected for this data set.

GC/MS INSTRUMENT TUNE (Level III, IV only)
(Bromofluorobenzene)

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Performed for all initial calibrations?	NA		R	R
Performed for all continuing calibrations and samples?	NA		R	R
Performed every 12 hours - ICAL/CCAL?	NA		PJ	PJ
All ion abundances normalized to m/z 95?	NA		PJ	PJ
BFB criteria within method limits?	NA		PJ	PJ

m/z	Ion Abundance Criteria for SW846 8260A
50	15.0 - 40.0% of m/z 95
75	30.0 - 80.0% of m/z 95
95	Base peak, 100% relative abundance
96	5.0 - 9.0% of m/z 95
173	Less than 2.0% of m/z 174
174	50.0% to 120% of m/z 95
175	5.0 - 9.0% of m/z 174
176	95.0% to 101.0% of m/z 174
177	5.0 - 9.0% of m/z 176

Recommended Actions:
If a continuing calibration does not have a tune but is bracketed by two acceptable tunes, then the associated sample data may be estimated (J/UJ).
Reject any data associated with non-compliance instrument tune. R

LIST ALL BFB TUNES OUTSIDE CRITERIA:

Date/Time	GC/MS ID	Ion Abundances Outside Criteria	Samples Associated with BFB Tune

BFB Tune Actions based on GC-MS Tune Criteria

NA - not required for Level II

INITIAL/CONTINUING CALIBRATION (Level III, IV only)
Note: the following are based on NFG, use proj-specific criteria.

	YES	NO	RECOMMENDED DV ACTION	
			DETECT	ND
Minimum five-point ICAL performed before sample analysis?:	NA		R	R
All ICAL RRFs above minimum limits for sensitivity?	NA		PG	PG
RRF> 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 >0.990 (non-linear)?	NA	.	J	UJ
CCAL within 12 hrs of ICAL?	NA		PG	PG
All ALT/CCAL RRFs above lower limit for sensitivity?	NA		PG	PG
Alternate Source (ALT) Initial Calibration Verification %D < CL?	NA		J	UJ
Continuing Calibration (CCAL) %D < CL?	NA		J	UJ
RRF> 0.05; % D < 20% CCAL and Alt Source Std < CL?	NA	.	J	UJ

Check source of Initial and Continuing calibration acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Generally-applied Limits:

	NFG	Project Limits
RRF ICAL/CCAL	> 0.05	**> 0.05**
RSD ICAL	< 30	**< 30**
r^2 ICAL	> 0.99	**> 0.99**
%D Alt Src	< 25	**< 25**
%D CCAL	< 20	**< 20**

Recommended Actions:
R for non-detects, J-positives if RRF < acceptance limit;
J/UJ for ICAL/ICV or CCAL outside CL.

LIST ALL RRF, %RSD AND %D OUTSIDE CALIBRATION ACCEPTANCE LIMITS:

Calibration Date	Time	Compound	RRF	% D / % RSD	Associated Samples

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL
NA - not required for Level II

CCAL
NA - not required for Level II

INTERNAL STANDARDS (Level III, IV only)

	YES	NO	RECOMMENDED ACTION	
			DETECT	ND
Are IS areas and retention times within limits?	NA		J	UJ
All areas within limits of -50% to +100% of CCAL?	NA		J	UJ
All retention times within 30 sec of standard IS RT's?	NA		J	UJ
Is calibration acceptable based on IS performance?	NA	.	PJ	PJ

Check source of internal standard acceptance criteria:

Project QA Plan DoD QSM EPA CLP Method NFG Other

Recommended Actions:
Estimate affected compounds if IS response outside acceptance windows for RT or area response, J or UJ.
Use professional judgment to reject results based on IS performance.
Re-calculate one or more IS calibrations (Level IV only)

LIST IS AREAS AND OR RT's OUTSIDE METHOD CRITERIA

Sample Number	Internal Standard	Comments

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA - not required for Level II

MANUAL INTEGRATIONS (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were manual integrations (MI) performed?	NA		No action
Were manual integrations (MI) properly documented?	NA		Use prof. judgment
Are reason codes acceptable for MI performed?	NA		Use prof. judgment
Are manual integrations acceptable?	NA		Reject, R
Were manual integrations verified? (Level IV only)	NA		Correct if needed

Recommended Actions:

Review quantitation reports and verify that pre/post MI chromatograms are provided in the raw data.
Examine MI reasons and determine reasonableness of action(s) by lab
Use professional judgment to qualify any data or QC that appear suspect because of improper MI
Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

LIST ALL INSTANCES WHERE MANUAL INTEGRATIONS WERE PERFORMED

Compound	Affected Result	MI Reason	Page	Comments:

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA - not required for Level II

DATA COMPLETENESS / MULTIPLE RESULTS

	YES	NO	RECOMMENDED ACTION
Are valid results available for all samples/parameters?	NA		Note impact on data set
Were multiple results reported that require rejection?	.	NA	Reject unused, R
All results within calibration range of instrument?	NA		Reject, R
Were re-analyses to correct QC failures acceptable?	NA		Select best result

Recommended Actions:

Use professional judgment to select the most appropriate result when multiple valid results are available.
reject any results that are outside the calibration range of the instrument. R.

DUPLICATE RESULTS REQUIRING REJECTION: (e.g QC failure / exceed calibration range)

Sample ID	Dilution	Compound	Original Result	DIL or RE Result	Reason for Rejection

Actions based on Data Completeness and Reporting of Multiple Results:

NA - not required for Level II

RESULT VERIFICATION (Level IV only)

	YES	NO	RECOMMENDED ACTION
Were results or calculations verified?	NA		
Were sample results verifiable against raw data?	NA		Make corrections
All RRTs within 0.6 units of ICAL mid-point std, or CCAL?	NA		Use prof. judgment
Are all std m/z >10% present in sample?	NA		Use prof. judgment
Are all RI %D between sample/std < 20%?	NA		Use prof. judgment
Are any sample m/z >10% not found in std?	NA		Use prof. judgment
Does TIC compare favorably with reference spectra?	NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V_{final}}{V_{initial}}$ x Dilution Factor

C = Instrument value in ug/L

Soils Conc. (dry wt mg/kg) = $\frac{C \times V}{W \times S}$ x Dilution Factor

C = Conc (mg/L)
V = Final vol (L)
W = Wet wt samp. (kg)
S - % solids

Recommended Actions:

Use professional judgment to correct/qualify the results. Qualify R - unusable results.
Qualify N - Tentatively identified if presence of compound cannot be verified.

ENTER ALL RESULTS THAT REQUIRE CORRECTION OR QUALIFICATION:

Sample ID	Compound	Reported Result	Calculated Result	Compound Identity	Comment

Result Verification; Multiple Results; and Unused Data:

NA - not required for Level II

Appendix G

Niagara County Sewer District Semiannual Reports

APTIM
500 Penn Center Blvd., Suite 1000
Pittsburgh, PA 15235
Tel: 412.372.7701
Fax: 412.373.7135
www.aptim.com

May 22, 2024

Project No. 631037017

Mr. Aaron Earsing
Chief Operator
Niagara County Sewer District No. 1
Water Pollution Control Center
7346 Liberty Drive
Niagara Falls, NY 14304-3762

Subject: ***Niagara County Sewer District Discharge Monitoring Semiannual Analytical Results***
Permit No. 22-07
Textron Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Sample Dates: April 29-30, 2024

Dear Mr. Earsing:

Enclosed for your review are the semiannual discharge monitoring analytical results generated during the operation of Textron, Inc.'s (Textron) Off-Site Groundwater Extraction System located in Wheatfield, New York. The Off-Site Groundwater Extraction System was brought online in March 1993 and discharges to the Niagara County Sewer District (NCSD) sanitary sewer under Permit No. 19-07. The permit requires that a minimum of four grab samples be collected within a 24-hour period from the MH No. 9-3 location to document the quality of the water being discharged to the publicly owned treatment works. All sampling and analytical activities were conducted in accordance with the requirements stated in NCSD Permit No. 22-07.

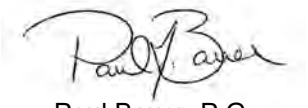
Aptim Environmental & Infrastructure, LLC, on behalf of Textron, collected grab samples of the discharge from the MH No. 9-3 location between April 29 and 30, 2024 in accordance with NCSD Permit No. 22-07. The field sampling sheets are included as Appendix A. The samples were kept on ice and hand delivered to Eurofins TestAmerica, Buffalo in Amherst, New York, for analysis of volatile organic compounds (VOCs) via U.S. Environmental Protection Agency Method 624.

The low level mercury analytical results are summarized Table 1. Table 2 contains a summary of the semiannual discharge monitoring VOC analytical data and an estimate of the discharge loading in comparison to the permitted maximum daily discharge loading limits. As illustrated in Table 2, the estimated daily discharge loading during the monitoring period did not exceed the permitted limits, and the system remains in compliance with pertinent permit and discharge requirements. The analytical results for the April 2024 sampling event are provided in Appendix B.

Approximately 6,496,993 gallons of groundwater were extracted by the off-site system and discharged to the NCSD sanitary sewer between November 1, 2023 and April 30, 2024 as calculated through the sum of the individual well totalizers. The monthly discharge flow volumes are detailed in Tables 3 through 8.

Should you have any questions or require any additional information regarding this report, please contact me at (412) 858-1594 or via electronic mail to paul.bauer@aptim.com.

Sincerely,



Paul Bauer, P.G.
Project Manager
paul.bauer@aptim.com

Attachments: Tables
Appendix A – Field Sampling Sheets
Appendix B – Analytical Report

cc: Greg Simpson – Textron, e-copy

Tables

Table 1
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 19-07
April 30, 2024
Sample ID: MH No. 9-3

Permitted Parameters	Reported Concentration (mg/L)	Total Flow (gallons per day)[1]	Discharge Limitation (mg/L)
Mercury, Total	0.00000029	31,354	0.001

Notes:
mg/L = Milligram per liter.
Total Flow Limit: 200,000 gallons per day (gpd).
[1] Total flow during sampling period was based on the total flow measurements for the sampling date.

Table 2
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 19-07
April 29-30, 2024
Sample ID: MH No. 9-3

Permitted Parameters	Reported Concentration (mg/L)	Total Flow (gallons per day)[1]	Discharge Loading (pounds per day)[2]	Maximum Daily Discharge Loading Limits (pound per day)
Trichloroethene	< 0.005	31,354	< 0.00131	1.0
1,2-Dichloroethene, Total	0.0091	31,354	0.00863	2.500
Methylene Chloride	< 0.005	31,354	< 0.00131	0.200
Vinyl Chloride	0.0039	31,354	< 0.00549	0.4000
EPA 624	< 0.017	31,354	None	None

Notes:
mg/L = Milligram per liter.
Total Flow Limit: 200,000 gallons per day (gpd).
< 0.005 = Concentration not detected at the laboratory specified detection limit.
For calculation purposes, "Not Detected" values are assigned the value of the reporting limit.
[1] Total flow during sampling period was based on the total flow measurements for the sampling date.
[2] Determined as follows: (Concentration in µg/L) x (flow rate in gpd) x (CF)
CF = Conversion Factor 8.345×10^{-9}

Table 3
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 22-07
November 1 - 30, 2023
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
11/01/23 00:00	18,077	18,442	4,772	0	41,291
11/02/23 00:00	18,063	18,406	4,710	0	41,179
11/03/23 00:00	17,967	18,425	4,646	0	41,038
11/04/23 00:00	17,917	18,418	4,648	0	40,983
11/05/23 00:00	17,882	18,440	4,598	0	40,920
11/06/23 00:00	17,887	18,491	4,566	0	40,944
11/07/23 00:00	17,836	18,554	4,526	0	40,916
11/08/23 00:00	17,784	18,612	4,559	0	40,955
11/09/23 00:00	17,748	18,656	4,572	0	40,976
11/10/23 00:00	17,757	18,713	4,852	0	41,322
11/11/23 00:00	17,744	18,712	4,864	0	41,320
11/12/23 00:00	17,617	18,701	4,793	0	41,111
11/13/23 00:00	17,503	18,711	4,732	0	40,946
11/14/23 00:00	17,447	18,743	4,685	0	40,875
11/15/23 00:00	17,420	18,737	4,645	0	40,802
11/16/23 00:00	17,392	18,759	4,587	0	40,738
11/17/23 00:00	17,344	18,775	4,551	0	40,670
11/18/23 00:00	17,293	18,719	4,563	0	40,575
11/19/23 00:00	17,228	18,653	4,630	0	40,511
11/20/23 00:00	17,143	18,668	4,565	0	40,376
11/21/23 00:00	17,080	18,688	4,498	0	40,266
11/22/23 00:00	17,037	18,761	4,535	0	40,333
11/23/23 00:00	16,979	18,787	4,706	0	40,472
11/24/23 00:00	16,888	18,788	4,682	0	40,358
11/25/23 00:00	16,809	18,836	4,624	0	40,269
11/26/23 00:00	16,723	18,831	4,583	0	40,137
11/27/23 00:00	16,654	18,845	4,594	0	40,093
11/28/23 00:00	16,575	18,848	4,569	0	39,992
11/29/23 00:00	16,501	18,848	4,537	0	39,886
11/30/23 00:00	16,440	18,839	4,510	0	39,789
Monthly Total	520,735	560,406	138,902		

Total Flow for November (gallons):	1,220,043
Maximum Daily Flow for November (gallons/day):	41,322
Average Daily Flow for November (gallons/day):	40,668

Red - indicated maximun daily flow.

Table 4
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
December 1 - 31, 2023
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
12/01/23 00:00	16,363	18,876	4,471	0	39,710
12/02/23 00:00	16,290	18,885	4,534	0	39,709
12/03/23 00:00	16,193	18,928	4,744	0	39,865
12/04/23 00:00	16,101	18,943	4,810	0	39,854
12/05/23 00:00	16,030	18,964	4,898	0	39,892
12/06/23 00:00	15,910	18,957	4,843	0	39,710
12/07/23 00:00	15,820	18,975	4,788	0	39,583
12/08/23 00:00	15,755	18,962	4,798	0	39,515
12/09/23 00:00	15,691	18,928	4,829	0	39,448
12/10/23 00:00	15,591	18,879	4,822	0	39,292
12/11/23 00:00	15,535	18,938	5,209	0	39,682
12/12/23 00:00	15,358	18,906	5,235	0	39,499
12/13/23 00:00	15,263	18,933	5,084	0	39,280
12/14/23 00:00	15,206	18,998	4,984	0	39,188
12/15/23 00:00	15,132	18,983	4,950	0	39,065
12/16/23 00:00	15,037	18,854	4,904	0	38,795
12/17/23 00:00	14,976	18,835	4,841	0	38,652
12/18/23 00:00	14,944	18,852	4,828	0	38,624
12/19/23 00:00	14,934	18,913	5,029	0	38,876
12/20/23 00:00	14,921	18,958	5,031	0	38,910
12/21/23 00:00	14,866	19,027	4,974	0	38,867
12/22/23 00:00	14,829	18,987	4,966	0	38,782
12/23/23 00:00	14,802	18,961	4,893	0	38,656
12/24/23 00:00	14,739	18,964	4,870	0	38,573
12/25/23 00:00	14,674	18,944	4,881	0	38,499
12/26/23 00:00	14,615	18,952	4,863	0	38,430
12/27/23 00:00	14,540	18,961	4,839	0	38,340
12/28/23 00:00	14,491	18,914	5,124	0	38,529
12/29/23 00:00	14,468	18,085	5,482	0	38,035
12/30/23 00:00	14,397	18,124	5,425	0	37,946
12/31/23 00:00	14,362	18,128	5,309	0	37,799
Monthly Total	471,833	584,514	153,258		

Total Flow for December (gallons):	1,209,605
Maximum Daily Flow for December (gallons/day):	39,892
Average Daily Flow for December (gallons/day):	39,020

Red - indicated maximun daily flow.

Table 5
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
January 1 - 31, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
01/01/24 00:00	14,322	18,179	5,227	0	37,728
01/02/24 00:00	14,272	18,136	5,126	0	37,534
01/03/24 00:00	14,241	17,977	5,067	0	37,285
01/04/24 00:00	14,142	17,917	5,027	0	37,086
01/05/24 00:00	14,062	17,938	4,961	0	36,961
01/06/24 00:00	14,010	18,006	4,925	0	36,941
01/07/24 00:00	13,952	18,110	4,922	0	36,984
01/08/24 00:00	13,898	18,150	4,858	0	36,906
01/09/24 00:00	13,845	18,154	4,822	0	36,821
01/10/24 00:00	13,812	18,186	5,031	0	37,029
01/11/24 00:00	13,814	17,535	5,585	0	36,934
01/12/24 00:00	13,823	17,297	5,493	0	36,613
01/13/24 00:00	13,778	17,402	5,497	0	36,677
01/14/24 00:00	13,746	17,314	5,587	0	36,647
01/15/24 00:00	13,666	17,259	5,425	0	36,350
01/16/24 00:00	13,619	17,211	5,316	0	36,146
01/17/24 00:00	13,591	17,197	5,247	0	36,035
01/18/24 00:00	13,572	17,235	5,213	0	36,020
01/19/24 00:00	13,538	17,238	5,130	0	35,906
01/20/24 00:00	13,492	17,218	5,095	0	35,805
01/21/24 00:00	13,438	17,200	5,042	0	35,680
01/22/24 00:00	13,369	17,131	4,944	0	35,444
01/23/24 00:00	13,325	17,068	4,890	0	35,283
01/24/24 00:00	13,277	17,062	4,860	0	35,199
01/25/24 00:00	13,215	17,057	5,026	0	35,298
01/26/24 00:00	10,602	16,908	5,473	0	32,983
01/27/24 00:00	11,150	16,513	11,645	0	39,308
01/28/24 00:00	13,302	16,554	6,915	0	36,771
01/29/24 00:00	12,682	16,741	6,316	0	35,739
01/30/24 00:00	13,038	16,321	6,182	0	35,541
01/31/24 00:00	13,250	16,266	6,026	0	35,542
Monthly Total	417,843	538,480	170,873		

Total Flow for January (gallons):	1,127,196
Maximum Daily Flow for January (gallons/day):	39,308
Average Daily Flow for January (gallons/day):	36,361

Red - indicated maximun daily flow.

Table 6
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
February 1 - 29, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
02/01/24 00:00	13,148	16,461	5,860	0	35,469
02/02/24 00:00	13,096	16,455	5,822	0	35,373
02/03/24 00:00	13,082	16,448	5,716	0	35,246
02/04/24 00:00	13,043	16,383	5,609	0	35,035
02/05/24 00:00	13,004	16,381	5,541	0	34,926
02/06/24 00:00	12,962	16,436	5,439	0	34,837
02/07/24 00:00	12,935	16,464	5,383	0	34,782
02/08/24 00:00	12,909	16,454	5,347	0	34,710
02/09/24 00:00	12,873	16,470	5,328	0	34,671
02/10/24 00:00	12,846	16,507	5,303	0	34,656
02/11/24 00:00	12,819	16,607	5,269	0	34,695
02/12/24 00:00	12,780	16,613	5,190	0	34,583
02/13/24 00:00	12,753	16,640	5,142	0	34,535
02/14/24 00:00	12,734	16,601	5,088	0	34,423
02/15/24 00:00	12,716	16,568	4,993	0	34,277
02/16/24 00:00	12,710	16,583	4,967	0	34,260
02/17/24 00:00	12,709	16,619	4,887	0	34,215
02/18/24 00:00	12,698	16,632	4,839	0	34,169
02/19/24 00:00	12,657	16,655	4,806	0	34,118
02/20/24 00:00	12,616	16,694	4,736	0	34,046
02/21/24 00:00	12,578	16,719	4,716	0	34,013
02/22/24 00:00	12,552	16,739	4,706	0	33,997
02/23/24 00:00	12,518	16,760	4,749	0	34,027
02/24/24 00:00	12,497	16,801	4,713	0	34,011
02/25/24 00:00	12,473	16,806	4,672	0	33,951
02/26/24 00:00	12,436	16,838	4,639	0	33,913
02/27/24 00:00	12,403	16,827	4,598	0	33,828
02/28/24 00:00	12,365	16,811	4,559	0	33,735
02/29/24 00:00	12,335	16,809	4,614	0	33,758
Monthly Total	369,247	481,781	147,231		

Total Flow for February (gallons):	998,259
Maximum Daily Flow for February (gallons/day):	35,469
Average Daily Flow for February (gallons/day):	34,423

Red - indicated maximun daily flow.

Table 7
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
March 1 - 31, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
03/01/24 00:00	12,308	16,819	4,610	0	33,737
03/02/24 00:00	12,286	16,817	4,589	0	33,692
03/03/24 00:00	12,258	16,847	4,596	0	33,701
03/04/24 00:00	12,215	16,794	4,541	0	33,550
03/05/24 00:00	12,166	16,790	4,515	0	33,471
03/06/24 00:00	12,106	16,801	4,494	0	33,401
03/07/24 00:00	12,045	16,810	4,528	0	33,383
03/08/24 00:00	11,988	16,878	4,519	0	33,385
03/09/24 00:00	11,943	16,994	4,494	0	33,431
03/10/24 00:00	11,893	17,116	4,506	0	33,515
03/11/24 00:00	11,846	17,117	4,509	0	33,472
03/12/24 00:00	11,797	17,037	4,467	0	33,301
03/13/24 00:00	11,737	17,094	4,449	0	33,280
03/14/24 00:00	11,682	17,077	4,385	0	33,144
03/15/24 00:00	11,614	17,099	4,367	0	33,080
03/16/24 00:00	11,572	17,092	4,478	0	33,142
03/17/24 00:00	11,497	17,025	4,479	0	33,001
03/18/24 00:00	11,471	17,072	4,592	0	33,135
03/19/24 00:00	11,457	17,054	4,555	0	33,066
03/20/24 00:00	11,472	17,034	4,522	0	33,028
03/21/24 00:00	11,430	17,065	4,525	0	33,020
03/22/24 00:00	11,386	17,051	4,479	0	32,916
03/23/24 00:00	11,333	17,081	4,467	0	32,881
03/24/24 00:00	11,285	17,130	4,455	0	32,870
03/25/24 00:00	11,233	17,185	4,430	0	32,848
03/26/24 00:00	11,180	17,207	4,459	0	32,846
03/27/24 00:00	11,122	17,221	4,462	0	32,805
03/28/24 00:00	11,015	17,218	4,428	0	32,661
03/29/24 00:00	11,010	17,226	4,393	0	32,629
03/30/24 00:00	10,985	17,242	4,366	0	32,593
03/31/24 00:00	10,905	17,239	4,314	0	32,458
Monthly Total	360,237	528,232	138,973		

Total Flow for March (gallons): 994,984
Maximum Daily Flow for March (gallons/day): 33,737
Average Daily Flow for March (gallons/day): 33,166

Red - indicated maximun daily flow.

Table 8
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
April 1 - 30, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
04/01/24 00:00	10,810	17,249	4,259	0	32,318
04/02/24 00:00	10,713	17,249	4,230	0	32,192
04/03/24 00:00	10,618	17,255	4,281	0	32,154
04/04/24 00:00	10,087	17,279	4,487	0	31,853
04/05/24 00:00	8,143	16,988	4,881	0	30,012
04/06/24 00:00	10,524	16,787	4,844	0	32,155
04/07/24 00:00	10,458	16,819	4,784	0	32,061
04/08/24 00:00	10,384	16,820	4,687	0	31,891
04/09/24 00:00	10,324	16,804	4,636	0	31,764
04/10/24 00:00	10,308	16,807	4,577	0	31,692
04/11/24 00:00	10,275	16,766	4,513	0	31,554
04/12/24 00:00	7,565	16,814	4,838	0	29,217
04/13/24 00:00	5,775	16,618	10,790	0	33,183
04/14/24 00:00	6,719	16,530	6,736	0	29,985
04/15/24 00:00	6,021	16,532	5,399	0	27,952
04/16/24 00:00	9,886	16,344	5,279	0	31,509
04/17/24 00:00	10,517	16,411	5,148	0	32,076
04/18/24 00:00	10,490	16,481	5,084	0	32,055
04/19/24 00:00	10,494	16,543	5,159	0	32,196
04/20/24 00:00	10,450	16,561	5,102	0	32,113
04/21/24 00:00	10,395	16,616	5,032	0	32,043
04/22/24 00:00	10,360	16,638	4,962	0	31,960
04/23/24 00:00	10,334	16,630	4,886	0	31,850
04/24/24 00:00	10,320	16,613	4,801	0	31,734
04/25/24 00:00	10,318	16,591	4,758	0	31,667
04/26/24 00:00	10,293	16,612	4,736	0	31,641
04/27/24 00:00	10,243	16,629	4,739	0	31,611
04/28/24 00:00	10,206	16,670	4,726	0	31,602
04/29/24 00:00	10,157	16,683	4,672	0	31,512
04/30/24 00:00	10,125	16,574	4,655	0	31,354
Monthly Total	293,312	501,913	151,681		

Total Flow for April (gallons):	946,906
Maximum Daily Flow for April (gallons/day):	33,183
Average Daily Flow for April (gallons/day):	31,564

Red - indicated maximun daily flow.

Appendix A

Field Sampling Sheets

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631037017
NCSD Permit Number: 22-07
Sample Location: EW- 6
Date: April 29, 2024
Time: 1230
Field Personnel: ~~Kevin Cronin~~ / Evan Schlegel / HUNTER L

Physical Condition of Location: Good
Ambient Temperature: 64°
Wind: 7 MPH N/NE
Precipitation: None

Sampling Method: Geopump with dedicated tubing

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624 - VOCs / EPA Method 1631E - Mercury LL
Totalizer: N/A

Notes:
Hg Sample collected @ 1240

Sampler Signature:

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631037017
NCSD Permit Number: 22-07
Sample Location: EW- 6
Date: April 29, 2024
Time: 2030
Field Personnel: ~~Kevin Cronin~~ / Evan Schlegel / HUNTER L

Physical Condition of Location: Good
Ambient Temperature: 63°
Wind: 5 MPH NE
Precipitation: None

Sampling Method: Geopump with dedicated tubing

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624 - VOCs ~~/EPA Method 1631E - Mercury LL~~
Totalizer: N/A

Notes:
~~Hg Sample collected @~~

Sampler Signature:

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631037017
NCSD Permit Number: 22-07
Sample Location: EW- 6
Date: April 30, 2024
Time: 0430
Field Personnel: ~~Kevin Cronin~~ / Evan Schlegel / HUNTER L.

Physical Condition of Location: Good
Ambient Temperature: 48°
Wind: 3 MPH W
Precipitation: None

Sampling Method: Geopump with dedicated tubing

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624 - VOCs / ~~EPA Method 1631E - Mercury LL~~
Totalizer: N/A

Notes:
~~Hg Sample collected @~~

Sampler Signature: Evan L Schlegel

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631037017
NCSD Permit Number: 22-07
Sample Location: EW- 6
Date: April 30, 2024
Time: 1230
Field Personnel: Kevin Cronin / Evan Schlegel

Physical Condition of Location: Good
Ambient Temperature: 560
Wind: 2 MPH W
Precipitation: Light Rain

Sampling Method: Geopump with dedicated tubing

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624 - VOCs /~~EPA Method 1631E - Mercury LL~~
Totalizer: N/A

Notes:
~~Hg Sample collected @~~

Sampler Signature: E K Schlegel

urofins Tes erica, Buffalo
) Hazelwood Drive

nherst, NY 14228-2223
ione 716.691.2600 fax 716.691.7991

Chai f Custody Record

eurofins Environment Te
TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAm

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
PTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
0 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
ttsburgh, PA 15235	Analysis Turnaround Time			Sampler:
12) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
ax) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
oject Name: Textron NCSD Sampling	☑ 2 weeks			Lab Sampling:
te: Textron Wheatfield	☐ 1 week			
) # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	624 VOCs_5ml_UP_3day	1631E - Low Level Mercury	Sample Specific Notes:
MH 9-3	4-29	1230	G	W	5	N	N	X	X	LL Hg COLLECTED @
MH 9-3	4-29	2030	G	W	3	N	N	X	~~X~~	COMPOSITE SAMPLES INTO
MH 9-3	4-30	0430	G	W	3	N	N	X	~~X~~	ONE SAMPLE FOR ANALYSI
MH 9-3	4-30	1230	G	W	3	N	N	X	~~X~~	
Trip Blank	4-29	—	G	W		N	N	X		

eservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

ssible Hazard Identification:
e any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the mments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for____ Months

Special Instructions/QC Requirements & Comments:

COMPOSITE MH 9-3 SAMPLES INTO ONE SAMPLE FOR ANALYSIS

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:____ Corr'd:____ Therm ID No.:____

linquished by: | Company: APTIM | Date/Time: | Received by:

Appendix B

Analytical Report

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 5/7/2024 1:40:12 PM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-219379-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization



Generated
5/7/2024 1:40:12 PM

Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

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

Metals

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

Glossary

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

Job ID: 480-219379-1 Eurofins Buffalo

Job Narrative
480-219379-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/30/2024 1:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

GC/MS VOA
Method 624_5ml_UP_3day: The continuing calibration verification (CCV) associated with batch 480-710163 recovered above the upper control limit for Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK (480-219379-5) and MH 9-3 LAB COMPOSITE (480-219379-6).

Method 624_5ml_UP_3day: The following Volatile sample was composited by the laboratory on 05/01/2024 as requested by the client: MH 9-3 LAB COMPOSITE (480-219379-6).
Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

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

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3
Lab Sample ID: 480-219379-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.29	J	0.50	0.14	ng/L	1		1631E	Total/NA

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-219379-5

No Detections.

Client Sample ID: MH 9-3 LAB COMPOSITE
Lab Sample ID: 480-219379-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	9.1	J	10	3.2	ug/L	1		624	Total/NA
Vinyl chloride	3.9	J	5.0	0.75	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3
Lab Sample ID: 480-219379-1
Date Collected: 04/29/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.29	J	0.50	0.14	ng/L		05/03/24 15:30	05/06/24 15:08	1

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-219379-5

Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 13:15

Method: EPA 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/01/24 15:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/01/24 15:25	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/01/24 15:25	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/01/24 15:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/01/24 15:25	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/01/24 15:25	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/01/24 15:25	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/01/24 15:25	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/01/24 15:25	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/01/24 15:25	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/01/24 15:25	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/01/24 15:25	1
Acrolein	ND		100	17	ug/L			05/01/24 15:25	1
Acrylonitrile	ND		50	1.9	ug/L			05/01/24 15:25	1
Benzene	ND		5.0	0.60	ug/L			05/01/24 15:25	1
Bromoform	ND		5.0	0.47	ug/L			05/01/24 15:25	1
Bromomethane	ND		5.0	1.2	ug/L			05/01/24 15:25	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/01/24 15:25	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/01/24 15:25	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/01/24 15:25	1
Chloroethane	ND		5.0	0.87	ug/L			05/01/24 15:25	1
Chloroform	ND		5.0	0.54	ug/L			05/01/24 15:25	1
Chloromethane	ND		5.0	0.64	ug/L			05/01/24 15:25	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/01/24 15:25	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/01/24 15:25	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/01/24 15:25	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/01/24 15:25	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/01/24 15:25	1
Toluene	ND		5.0	0.45	ug/L			05/01/24 15:25	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/01/24 15:25	1
Trichloroethene	ND		5.0	0.60	ug/L			05/01/24 15:25	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/01/24 15:25	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/01/24 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*68 - 130*		*05/01/24 15:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*05/01/24 15:25*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*05/01/24 15:25*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*05/01/24 15:25*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3 LAB COMPOSITE
Lab Sample ID: 480-219379-6

Date Collected: 04/30/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Method: EPA 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/01/24 15:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/01/24 15:50	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/01/24 15:50	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/01/24 15:50	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/01/24 15:50	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/01/24 15:50	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/01/24 15:50	1
1,2-Dichloroethene, Total	**9.1**	**J**	10	3.2	ug/L			05/01/24 15:50	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/01/24 15:50	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/01/24 15:50	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/01/24 15:50	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/01/24 15:50	1
Acrolein	ND		100	17	ug/L			05/01/24 15:50	1
Acrylonitrile	ND		50	1.9	ug/L			05/01/24 15:50	1
Benzene	ND		5.0	0.60	ug/L			05/01/24 15:50	1
Bromoform	ND		5.0	0.47	ug/L			05/01/24 15:50	1
Bromomethane	ND		5.0	1.2	ug/L			05/01/24 15:50	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/01/24 15:50	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/01/24 15:50	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/01/24 15:50	1
Chloroethane	ND		5.0	0.87	ug/L			05/01/24 15:50	1
Chloroform	ND		5.0	0.54	ug/L			05/01/24 15:50	1
Chloromethane	ND		5.0	0.64	ug/L			05/01/24 15:50	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/01/24 15:50	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/01/24 15:50	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/01/24 15:50	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/01/24 15:50	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/01/24 15:50	1
Toluene	ND		5.0	0.45	ug/L			05/01/24 15:50	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/01/24 15:50	1
Trichloroethene	ND		5.0	0.60	ug/L			05/01/24 15:50	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/01/24 15:50	1
Vinyl chloride	**3.9**	**J**	5.0	0.75	ug/L			05/01/24 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*68 - 130*		*05/01/24 15:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*05/01/24 15:50*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*05/01/24 15:50*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/01/24 15:50*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-219379-5	TRIP BLANK	120	100	96	111
480-219379-6	MH 9-3 LAB COMPOSITE	116	99	94	106
LCS 480-710163/6	Lab Control Sample	116	100	93	107
MB 480-710163/8	Method Blank	116	98	94	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-710163/8
Matrix: Water
Analysis Batch: 710163

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/01/24 13:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/01/24 13:48	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/01/24 13:48	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/01/24 13:48	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/01/24 13:48	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/01/24 13:48	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/01/24 13:48	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/01/24 13:48	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/01/24 13:48	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/01/24 13:48	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/01/24 13:48	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/01/24 13:48	1
Acrolein	ND		100	17	ug/L			05/01/24 13:48	1
Acrylonitrile	ND		50	1.9	ug/L			05/01/24 13:48	1
Benzene	ND		5.0	0.60	ug/L			05/01/24 13:48	1
Bromoform	ND		5.0	0.47	ug/L			05/01/24 13:48	1
Bromomethane	ND		5.0	1.2	ug/L			05/01/24 13:48	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/01/24 13:48	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/01/24 13:48	1
Dibromochloromethane	ND		5.0	0.41	ug/L			05/01/24 13:48	1
Chloroethane	ND		5.0	0.87	ug/L			05/01/24 13:48	1
Chloroform	ND		5.0	0.54	ug/L			05/01/24 13:48	1
Chloromethane	ND		5.0	0.64	ug/L			05/01/24 13:48	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/01/24 13:48	1
Bromodichloromethane	ND		5.0	0.54	ug/L			05/01/24 13:48	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/01/24 13:48	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/01/24 13:48	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/01/24 13:48	1
Toluene	ND		5.0	0.45	ug/L			05/01/24 13:48	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/01/24 13:48	1
Trichloroethene	ND		5.0	0.60	ug/L			05/01/24 13:48	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			05/01/24 13:48	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/01/24 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*68 - 130*		*05/01/24 13:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*05/01/24 13:48*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*05/01/24 13:48*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/01/24 13:48*	*1*

Lab Sample ID: LCS 480-710163/6
Matrix: Water
Analysis Batch: 710163

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	23.6		ug/L		118	52 - 162
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	46 - 157
1,1,2-Trichloroethane	20.0	19.3		ug/L		96	52 - 150

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-710163/6
Matrix: Water
Analysis Batch: 710163

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	20.0	21.1		ug/L		105	59 - 155
1,1-Dichloroethene	20.0	22.6		ug/L		113	1 - 234
1,2-Dichlorobenzene	20.0	19.9		ug/L		100	18 - 190
1,2-Dichloroethane	20.0	24.0		ug/L		120	49 - 155
1,2-Dichloropropane	20.0	20.7		ug/L		104	1 - 210
1,3-Dichlorobenzene	20.0	20.5		ug/L		103	59 - 156
1,4-Dichlorobenzene	20.0	20.7		ug/L		103	18 - 190
2-Chloroethyl vinyl ether	20.0	22.1	J	ug/L		111	1 - 305
Acrolein	100	108		ug/L		108	10 - 176
Acrylonitrile	200	221		ug/L		111	54 - 147
Benzene	20.0	20.5		ug/L		102	37 - 151
Bromoform	20.0	25.4		ug/L		127	45 - 169
Bromomethane	20.0	15.8		ug/L		79	1 - 242
Carbon tetrachloride	20.0	23.5		ug/L		117	70 - 140
Chlorobenzene	20.0	19.9		ug/L		100	37 - 160
Dibromochloromethane	20.0	22.3		ug/L		111	53 - 149
Chloroethane	20.0	21.4		ug/L		107	14 - 230
Chloroform	20.0	22.6		ug/L		113	51 - 138
Chloromethane	20.0	24.8		ug/L		124	1 - 273
cis-1,3-Dichloropropene	20.0	21.1		ug/L		106	1 - 227
Bromodichloromethane	20.0	23.8		ug/L		119	35 - 155
Ethylbenzene	20.0	20.7		ug/L		103	37 - 162
Methylene Chloride	20.0	21.1		ug/L		106	1 - 221
Tetrachloroethene	20.0	23.4		ug/L		117	64 - 148
Toluene	20.0	19.9		ug/L		100	47 - 150
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	17 - 183
Trichloroethene	20.0	22.5		ug/L		112	71 - 157
Trichlorofluoromethane	20.0	25.5		ug/L		127	17 - 181
Vinyl chloride	20.0	17.2		ug/L		86	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*68 - 130*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*
Toluene-d8 (Surr)	*93*		*77 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 240-611848/1-A
Matrix: Water
Analysis Batch: 612110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.50	0.14	ng/L		05/03/24 15:30	05/06/24 13:51	1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: LCS 240-611848/2-A
Matrix: Water
Analysis Batch: 612110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.72		ng/L		114	77 - 123

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

GC/MS VOA

Analysis Batch: 710163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219379-5	TRIP BLANK	Total/NA	Water	624	
480-219379-6	MH 9-3 LAB COMPOSITE	Total/NA	Water	624	
MB 480-710163/8	Method Blank	Total/NA	Water	624	
LCS 480-710163/6	Lab Control Sample	Total/NA	Water	624	

Metals

Prep Batch: 611848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219379-1	MH 9-3	Total/NA	Water	1631E	
MB 240-611848/1-A	Method Blank	Total/NA	Water	1631E	
LCS 240-611848/2-A	Lab Control Sample	Total/NA	Water	1631E	

Analysis Batch: 612110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219379-1	MH 9-3	Total/NA	Water	1631E	611848
MB 240-611848/1-A	Method Blank	Total/NA	Water	1631E	611848
LCS 240-611848/2-A	Lab Control Sample	Total/NA	Water	1631E	611848

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3
Lab Sample ID: 480-219379-1
Date Collected: 04/29/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1631E			611848	TQ6W	EET CLE	05/03/24 15:30
Total/NA	Analysis	1631E		1	612110	TQ6W	EET CLE	05/06/24 15:08

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-219379-5
Date Collected: 04/29/24 00:00
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624		1	710163	AXK	EET BUF	05/01/24 15:25

Client Sample ID: MH 9-3 LAB COMPOSITE
Lab Sample ID: 480-219379-6
Date Collected: 04/30/24 12:30
Matrix: Water
Date Received: 04/30/24 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624		1	710163	AXK	EET BUF	05/01/24 15:50

Laboratory References:

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

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,1,1-Trichloroethane
624		Water	1,1,2,2-Tetrachloroethane
624		Water	1,1,2-Trichloroethane
624		Water	1,1-Dichloroethane
624		Water	1,1-Dichloroethene
624		Water	1,2-Dichlorobenzene
624		Water	1,2-Dichloroethane
624		Water	1,2-Dichloroethene, Total
624		Water	1,2-Dichloropropane
624		Water	1,3-Dichlorobenzene
624		Water	1,4-Dichlorobenzene
624		Water	2-Chloroethyl vinyl ether
624		Water	Acrolein
624		Water	Acrylonitrile
624		Water	Benzene
624		Water	Bromodichloromethane
624		Water	Bromoform
624		Water	Bromomethane
624		Water	Carbon tetrachloride
624		Water	Chlorobenzene
624		Water	Chloroethane
624		Water	Chloroform
624		Water	Chloromethane
624		Water	cis-1,3-Dichloropropene
624		Water	Dibromochloromethane
624		Water	Ethylbenzene
624		Water	Methylene Chloride
624		Water	Tetrachloroethene
624		Water	Toluene
624		Water	trans-1,3-Dichloropropene
624		Water	Trichloroethene
624		Water	Trichlorofluoromethane
624		Water	Vinyl chloride

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
1631E	Mercury, Low Level (CVAFS)	EPA	EET CLE
1631E	Preparation, Mercury, Low Level	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-219379-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-219379-1	MH 9-3	Water	04/29/24 12:30	04/30/24 13:15
480-219379-5	TRIP BLANK	Water	04/29/24 00:00	04/30/24 13:15
480-219379-6	MH 9-3 LAB COMPOSITE	Water	04/30/24 12:30	04/30/24 13:15

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron NCSD Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			Job / SDG No.:
PO # OS 221984	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	624 VOCs_5ml_UP_3day	1631E - Low Level Mercury	Sample Specific Notes:
MH 9-3	4-29	1230	G	W	5	N	N	X	X	LL Hg COLLECTED @ 1240.
MH 9-3	4-29	2030	G	W	3	N	N	X	~~X~~	COMPOSITE SAMPLES INTO ONE SAMPLE FOR ANALYSIS
MH 9-3	4-30	0430	G	W	3	N	N	X	~~X~~	
MH 9-3	4-30	1230	G	W	3	N	N	X	~~X~~	
Trip Blank	4-29	—	G	W		N	N	X		

480-219379 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

COMPOSITE MH 9-3 SAMPLES INTO ONE SAMPLE FOR ANALYSIS 4/4 # 1 ICE

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company: APTIM	Date/Time: 4/30/24 1315	Received by:	Company: TAB	Date/Time: 4-30-24 1315
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

5/7/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-86800.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP - New York		Job #: 480-219379-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 5/13/2024			
City: Barberton	TAT Requested (days):			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: Bell Aerospace Textron	Project #: 48019873			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
-

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1631E/1631E_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MH 9-3 (480-219379-1)	4/29/24	12:30 Eastern		Water			X	2	APRIL ONLY

LLHg

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
	5/1/24 1045	CTH Buffalo		5-2-24 0935	EETNC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins - Cleveland Sample Receipt Form/Narrative Login #
Barberton Facility

Client Eurofins - Buffalo Site Name

Cooler unpacked by

Cooler Received on 5-2-24 Opened on 5-2-24

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt [X] See Multiple Cooler Form

IR GUN # 19 (CF +1.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	(Y/N)	
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13 17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC439975
14. Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired

Sample(s) were received in a broken container

Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory

Time preserved Preservative(s) added/Lot number(s)

VOA Sample Preservation Date/Time VOAs Frozen

Login # : _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 19	1.6	3.1	(Wet Ice) Blue Ice Dry Ice Water None
(EC) Client Box Other	IR GUN #: 19	4.0	5.5	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice

SAMPLE CONTROL
EUROFINS ENVIRONMENT TESTING
10 HAZELWOOD DRIVE

BUFFALO, NY 142282223
UNITED STATES US

ACTWGT 49.50 LB
CAD 0759273/CAFE3755
DIMS 26x15x14 IN

BILL SENDER

Part # 159469-434 MTW EXP 01/25 585E3/C137/AED7

TO **SAMPLE RECEIPT**
EUROFINS CLEVELAND
180 S VAN BUREN AVE

BARBERTON OH 442033543
(330) 497-9396
REF: ETA BARBERTON

FedEx Express

J23802305120IUV

2 of 2
MPS# 0263 7117 9319 2500
Mstr# 7117 9319 2496

0201

THU - 02 MAY 10:30A
PRIORITY OVERNIGHT

NX CAKA

44203
OH-US **CLE**

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-219379-1

Login Number: 219379
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	aptim
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

APTIM
500 Penn Center Blvd., Suite 1000
Pittsburgh, PA 15235
Tel: 412.372.7701
Fax: 412.373.7135
www.aptim.com

November 18, 2024

Project No. 631037017

Mr. Aaron Earsing
Chief Operator
Niagara County Sewer District No. 1
Water Pollution Control Center
7346 Liberty Drive
Niagara Falls, NY 14304-3762

Subject: ***Niagara County Sewer District Discharge Monitoring Semiannual Analytical Results***
Permit No. 22-07
Textron Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Sample Dates: October 22-23, 2024

Dear Mr. Earsing:

Enclosed for your review are the semiannual discharge monitoring analytical results generated during the operation of Textron, Inc.'s (Textron) Off-Site Groundwater Extraction System located in Wheatfield, New York. The Off-Site Groundwater Extraction System was brought online in March 1993 and discharges to the Niagara County Sewer District (NCSD) sanitary sewer under Permit No. 19-07. The permit requires that a minimum of four grab samples be collected within a 24-hour period from the MH No. 9-3 location to document the quality of the water being discharged to the publicly owned treatment works. All sampling and analytical activities were conducted in accordance with the requirements stated in NCSD Permit No. 22-07.

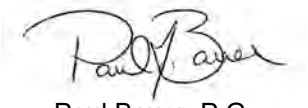
Aptim Environmental & Infrastructure, LLC, on behalf of Textron, collected grab samples of the discharge from the MH No. 9-3 location between October 22 and 23, 2024 in accordance with NCSD Permit No. 22-07. The field sampling sheets are included as Appendix A. The samples were kept on ice and hand delivered to Eurofins Buffalo in Amherst, New York, for analysis of volatile organic compounds (VOCs) via U.S. Environmental Protection Agency Method 624.

Table 1 contains a summary of the semiannual discharge monitoring VOC analytical data and an estimate of the discharge loading in comparison to the permitted maximum daily discharge loading limits. As illustrated in Table 1, the estimated daily discharge loading during the monitoring period did not exceed the permitted limits, and the system remains in compliance with pertinent permit and discharge requirements. The analytical results for the October 2024 sampling event are provided in Appendix B.

Approximately 6,169,290 gallons of groundwater were extracted by the off-site system and discharged to the NCSD sanitary sewer between May 1, 2024 and October 31, 2024 as calculated through the sum of the individual well totalizers. The monthly discharge flow volumes are detailed in Tables 2 through 7.

Should you have any questions or require any additional information regarding this report, please contact me at (412) 858-1594 or via electronic mail to paul.bauer@aptim.com.

Sincerely,



Paul Bauer, P.G.
Project Manager
paul.bauer@aptim.com

Attachments: Tables
Appendix A – Field Sampling Sheets
Appendix B – Analytical Report

cc: Greg Simpson – Textron, e-copy

Tables

Table 1
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
October 22-23, 2024
Sample ID: MH No. 9-3

Permitted Parameters	Reported Concentration (mg/L)	Total Flow (gallons per day)[1]	Discharge Loading (pounds per day)[2]	Maximum Daily Discharge Loading Limits (pound per day)
Trichloroethene	< 0.005	29,305	< 0.00122	1.0
1,2-Dichloroethene, Total	0.0086 J	29,305	0.00318	2.500
Methylene Chloride	< 0.005	29,305	< 0.00122	0.200
Vinyl Chloride	0.0092	29,305	0.00154	0.4000
EPA 624	< 0.017	29,305	None	None

Notes:
mg/L = Milligram per liter.
Total Flow Limit: 200,000 gallons per day (gpd).
< 0.005 = Concentration not detected at the laboratory specified detection limit.
For calculation purposes, "Not Detected" values are assigned the value of the reporting limit.
[1] Total flow during sampling period was based on the total flow measurements for the sampling date.
[2] Determined as follows: (Concentration in µg/L) x (flow rate in gpd) x (CF)
CF = Conversion Factor 8.345×10^{-9}
J - Results is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Table 2
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 22-07
May 1 - 31, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
05/01/24 00:00	6,800	16,430	5,944	0	29,174
05/02/24 00:00	7,103	19,138	6,951	0	33,192
05/03/24 00:00	9,693	19,698	6,881	0	36,272
05/04/24 00:00	12,465	19,537	6,875	0	38,877
05/05/24 00:00	13,908	19,470	6,824	0	40,202
05/06/24 00:00	13,977	19,517	6,830	0	40,324
05/07/24 00:00	13,976	19,530	6,859	0	40,365
05/08/24 00:00	13,959	19,501	6,786	0	40,246
05/09/24 00:00	13,934	19,397	6,779	0	40,110
05/10/24 00:00	13,897	19,458	6,698	0	40,053
05/11/24 00:00	13,876	19,421	6,305	0	39,602
05/12/24 00:00	13,866	19,428	6,171	0	39,465
05/13/24 00:00	13,847	19,337	6,077	0	39,261
05/14/24 00:00	13,815	19,375	6,024	0	39,214
05/15/24 00:00	13,768	19,234	5,963	0	38,965
05/16/24 00:00	13,712	19,315	5,945	0	38,972
05/17/24 00:00	13,659	19,392	5,898	0	38,949
05/18/24 00:00	13,611	19,598	5,885	0	39,094
05/19/24 00:00	11,895	10,454	5,925	0	28,274
05/20/24 00:00	10,068	0	5,876	0	15,944
05/21/24 00:00	12,072	0	5,850	0	17,922
05/22/24 00:00	13,896	0	5,802	0	19,698
05/23/24 00:00	13,859	0	5,786	0	19,645
05/24/24 00:00	13,656	9,807	5,852	0	29,315
05/25/24 00:00	13,479	21,749	5,860	0	41,088
05/26/24 00:00	13,430	22,370	5,804	0	41,604
05/27/24 00:00	13,367	22,694	5,777	0	41,838
05/28/24 00:00	13,313	22,707	5,773	0	41,793
05/29/24 00:00	13,259	22,710	5,705	0	41,674
05/30/24 00:00	13,215	22,720	5,766	0	41,701
05/31/24 00:00	13,120	22,679	5,691	0	41,490
Monthly Total	398,495	524,666	191,162		

Total Flow for May (gallons):	1,114,323
Maximum Daily Flow for May (gallons/day):	41,838
Average Daily Flow for May (gallons/day):	35,946

Red - indicated maximun daily flow.

Table 3
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
June 1 - 30, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
06/01/24 00:00	13,035	22,646	5,611	0	41,292
06/02/24 00:00	12,943	22,593	5,556	0	41,092
06/03/24 00:00	12,886	22,261	5,486	0	40,633
06/04/24 00:00	12,843	22,162	5,435	0	40,440
06/05/24 00:00	12,794	22,001	5,369	0	40,164
06/06/24 00:00	12,748	21,886	5,352	0	39,986
06/07/24 00:00	12,715	21,879	5,426	0	40,020
06/08/24 00:00	12,698	21,918	5,461	0	40,077
06/09/24 00:00	12,657	21,880	5,533	0	40,070
06/10/24 00:00	12,548	21,910	5,677	0	40,135
06/11/24 00:00	12,370	22,014	5,892	0	40,276
06/12/24 00:00	12,247	21,625	5,699	0	39,571
06/13/24 00:00	12,182	21,604	5,568	0	39,354
06/14/24 00:00	12,112	21,559	5,458	0	39,129
06/15/24 00:00	12,059	21,597	5,415	0	39,071
06/16/24 00:00	11,980	21,433	5,300	0	38,713
06/17/24 00:00	11,898	21,336	5,241	0	38,475
06/18/24 00:00	11,872	21,282	5,152	0	38,306
06/19/24 00:00	11,886	21,189	5,407	0	38,482
06/20/24 00:00	11,797	21,054	5,505	0	38,356
06/21/24 00:00	11,727	21,042	5,614	0	38,383
06/22/24 00:00	11,589	20,929	5,562	0	38,080
06/23/24 00:00	11,538	20,837	5,454	0	37,829
06/24/24 00:00	11,452	20,864	5,393	0	37,709
06/25/24 00:00	11,394	20,858	5,310	0	37,562
06/26/24 00:00	11,343	20,716	5,311	0	37,370
06/27/24 00:00	11,264	20,577	5,331	0	37,172
06/28/24 00:00	11,182	20,761	5,313	0	37,256
06/29/24 00:00	11,107	20,594	5,267	0	36,968
06/30/24 00:00	11,058	20,597	5,483	0	37,138
Monthly Total	361,924	643,604	163,581		

Total Flow for June (gallons):	1,169,109
Maximum Daily Flow for June (gallons/day):	41,292
Average Daily Flow for June (gallons/day):	38,970

Red - indicated maximun daily flow.

Table 4
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
July 1 - 31, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
07/01/24 00:00	10,865	20,192	5,602	0	36,659
07/02/24 00:00	10,873	20,149	5,459	0	36,481
07/03/24 00:00	11,098	20,095	5,371	0	36,564
07/04/24 00:00	10,921	20,112	5,324	0	36,357
07/05/24 00:00	10,753	20,241	5,243	0	36,237
07/06/24 00:00	10,601	20,209	5,178	0	35,988
07/07/24 00:00	10,458	20,086	5,139	0	35,683
07/08/24 00:00	10,395	20,138	5,086	0	35,619
07/09/24 00:00	10,319	20,355	5,081	0	35,755
07/10/24 00:00	10,229	20,308	5,031	0	35,568
07/11/24 00:00	10,419	19,415	5,512	0	35,346
07/12/24 00:00	10,722	17,944	6,104	0	34,770
07/13/24 00:00	10,499	17,944	5,962	0	34,405
07/14/24 00:00	10,168	17,990	5,808	0	33,966
07/15/24 00:00	10,421	18,070	5,663	0	34,154
07/16/24 00:00	10,544	18,087	5,636	0	34,267
07/17/24 00:00	10,512	18,065	5,709	0	34,286
07/18/24 00:00	10,475	18,075	5,640	0	34,190
07/19/24 00:00	10,421	18,084	5,676	0	34,181
07/20/24 00:00	10,322	18,058	5,593	0	33,973
07/21/24 00:00	10,221	18,035	5,534	0	33,790
07/22/24 00:00	10,094	18,015	5,488	0	33,597
07/23/24 00:00	10,001	17,954	5,411	0	33,366
07/24/24 00:00	9,935	17,949	5,346	0	33,230
07/25/24 00:00	9,885	17,954	5,366	0	33,205
07/26/24 00:00	9,852	18,021	5,491	0	33,364
07/27/24 00:00	9,799	17,952	5,481	0	33,232
07/28/24 00:00	9,689	17,843	5,483	0	33,015
07/29/24 00:00	9,465	17,852	5,465	0	32,782
07/30/24 00:00	9,292	17,836	5,411	0	32,539
07/31/24 00:00	9,174	17,853	5,437	0	32,464
Monthly Total	318,422	580,881	169,730		

Total Flow for July (gallons):	1,069,033
Maximum Daily Flow for July (gallons/day):	36,659
Average Daily Flow for July (gallons/day):	34,485

Red - indicated maximun daily flow.

Table 5
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
August 1 - 31, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
08/01/24 00:00	9,127	17,906	5,444	0	32,477
08/02/24 00:00	9,075	17,826	5,358	0	32,259
08/03/24 00:00	8,986	18,081	5,312	0	32,379
08/04/24 00:00	8,912	18,267	5,337	0	32,516
08/05/24 00:00	8,827	18,304	5,283	0	32,414
08/06/24 00:00	8,754	18,193	5,279	0	32,226
08/07/24 00:00	8,715	17,934	5,320	0	31,969
08/08/24 00:00	8,578	17,946	4,923	0	31,447
08/09/24 00:00	8,507	17,952	4,872	0	31,331
08/10/24 00:00	8,475	17,980	4,882	0	31,337
08/11/24 00:00	8,498	18,026	4,915	0	31,439
08/12/24 00:00	8,611	17,968	4,983	0	31,562
08/13/24 00:00	8,689	17,990	5,063	0	31,742
08/14/24 00:00	8,721	18,055	5,144	0	31,920
08/15/24 00:00	8,624	18,021	5,063	0	31,708
08/16/24 00:00	8,473	18,022	5,038	0	31,533
08/17/24 00:00	8,418	18,204	4,967	0	31,589
08/18/24 00:00	8,409	18,300	5,112	0	31,821
08/19/24 00:00	8,249	18,416	5,061	0	31,726
08/20/24 00:00	8,464	18,452	5,073	0	31,989
08/21/24 00:00	8,344	18,443	5,031	0	31,818
08/22/24 00:00	8,161	18,413	4,965	0	31,539
08/23/24 00:00	8,111	18,411	4,898	0	31,420
08/24/24 00:00	8,027	18,467	4,839	0	31,333
08/25/24 00:00	8,029	18,471	4,746	0	31,246
08/26/24 00:00	8,264	18,470	4,648	0	31,382
08/27/24 00:00	8,247	18,479	4,599	0	31,325
08/28/24 00:00	8,188	18,486	4,592	0	31,266
08/29/24 00:00	8,198	18,518	4,616	0	31,332
08/30/24 00:00	8,155	18,495	4,567	0	31,217
08/31/24 00:00	8,083	18,492	4,538	0	31,113
Monthly Total	262,919	564,988	154,468		

Total Flow for August (gallons):	982,375
Maximum Daily Flow for August (gallons/day):	32,516
Average Daily Flow for August (gallons/day):	31,690

Red - indicated maximun daily flow.

Table 6
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
September 1 - 30, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
09/01/24 00:00	8,016	18,503	4,639	0	31,158
09/02/24 00:00	7,988	18,394	4,734	0	31,116
09/03/24 00:00	7,830	18,410	4,659	0	30,899
09/04/24 00:00	7,714	18,428	4,615	0	30,757
09/05/24 00:00	7,973	18,448	4,627	0	31,048
09/06/24 00:00	7,967	18,485	4,599	0	31,051
09/07/24 00:00	7,911	18,477	4,631	0	31,019
09/08/24 00:00	7,925	18,521	5,039	0	31,485
09/09/24 00:00	7,891	18,526	5,049	0	31,466
09/10/24 00:00	7,906	18,503	4,978	0	31,387
09/11/24 00:00	7,911	18,499	5,006	0	31,416
09/12/24 00:00	7,956	18,527	4,966	0	31,449
09/13/24 00:00	7,851	18,398	4,958	0	31,207
09/14/24 00:00	7,710	18,369	4,894	0	30,973
09/15/24 00:00	7,893	18,344	4,876	0	31,113
09/16/24 00:00	7,885	18,272	4,818	0	30,975
09/17/24 00:00	7,819	18,219	4,773	0	30,811
09/18/24 00:00	7,742	18,196	4,746	0	30,684
09/19/24 00:00	7,676	18,176	4,732	0	30,584
09/20/24 00:00	7,616	18,174	4,678	0	30,468
09/21/24 00:00	7,560	18,157	4,644	0	30,361
09/22/24 00:00	7,518	18,136	4,687	0	30,341
09/23/24 00:00	7,428	18,015	4,619	0	30,062
09/24/24 00:00	7,355	18,014	4,591	0	29,960
09/25/24 00:00	7,380	18,007	4,628	0	30,015
09/26/24 00:00	7,403	18,010	4,664	0	30,077
09/27/24 00:00	7,458	18,003	4,653	0	30,114
09/28/24 00:00	7,510	17,983	4,639	0	30,132
09/29/24 00:00	7,508	17,996	4,605	0	30,109
09/30/24 00:00	7,514	17,977	4,660	0	30,151
Monthly Total	231,814	548,167	142,407		

Total Flow for September (gallons): 922,388
Maximum Daily Flow for September (gallons/day): 31,485
Average Daily Flow for September (gallons/day): 30,746

Red - indicated maximun daily flow.

Table 7
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 22-07
October 1 - 31, 2024
Daily Flow Rates

Date/Time	EW-2 Flow Reading	EW-3 Flow Reading	EW-4 Flow Reading	EW-5 Flow Reading	Total Daily Flow (gal)
10/01/24 00:00	7,483	17,991	4,716	0	30,190
10/02/24 00:00	7,378	17,975	4,700	0	30,053
10/03/24 00:00	7,290	17,945	4,717	0	29,952
10/04/24 00:00	7,200	17,897	4,696	0	29,793
10/05/24 00:00	7,129	17,967	4,648	0	29,744
10/06/24 00:00	7,070	17,970	4,632	0	29,672
10/07/24 00:00	7,012	17,902	4,639	0	29,553
10/08/24 00:00	6,952	17,940	4,556	0	29,448
10/09/24 00:00	7,003	17,920	4,510	0	29,433
10/10/24 00:00	6,944	17,745	4,429	0	29,118
10/11/24 00:00	6,901	17,829	4,383	0	29,113
10/12/24 00:00	6,833	17,634	4,209	0	28,676
10/13/24 00:00	6,801	17,651	4,157	0	28,609
10/14/24 00:00	7,316	17,675	4,130	0	29,121
10/15/24 00:00	7,733	17,696	4,369	0	29,798
10/16/24 00:00	7,782	17,659	4,420	0	29,861
10/17/24 00:00	7,724	17,634	4,424	0	29,782
10/18/24 00:00	7,789	17,636	4,416	0	29,841
10/19/24 00:00	7,740	17,624	4,394	0	29,758
10/20/24 00:00	7,692	17,704	4,225	0	29,621
10/21/24 00:00	7,648	17,665	4,235	0	29,548
10/22/24 00:00	7,629	17,592	4,164	0	29,385
10/23/24 00:00	7,599	17,533	4,092	0	29,224
10/24/24 00:00	7,603	17,593	4,073	0	29,269
10/25/24 00:00	7,604	17,595	4,046	0	29,245
10/26/24 00:00	7,629	17,545	4,002	0	29,176
10/27/24 00:00	7,637	17,462	3,965	0	29,064
10/28/24 00:00	7,604	17,540	3,925	0	29,069
10/29/24 00:00	7,556	17,498	3,896	0	28,950
10/30/24 00:00	7,533	17,482	3,925	0	28,940
10/31/24 00:00	7,559	17,521	3,976	0	29,056
Monthly Total	229,373	549,020	133,669		

Total Flow for October (gallons):	912,062
Maximum Daily Flow for October (gallons/day):	30,190
Average Daily Flow for October (gallons/day):	29,421

Red - indicated maximun daily flow.

Appendix A

Field Sampling Sheets

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631037017
NCSD Permit Number: 22-07
Sample Location: EW- 6
Date: October 22, 2024
Time: 1325
Field Personnel: Kevin Cronin / Evan Schlegel

Physical Condition of Location: Good
Ambient Temperature: 72°
Wind: SSW 12 MPH
Precipitation: None

Sampling Method: Geopump with dedicated tubing

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624 - VOCs
Totalizer: N/A

Notes:

Sampler Signature: E M

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631037017
NCSD Permit Number: 22-07
Sample Location: EW- 6
Date: October 22, 2024
Time: 21 25
Field Personnel: Kevin Cronin / Evan Schlegel

Physical Condition of Location: Good
Ambient Temperature: 62°
Wind: 5 MPH SSE
Precipitation: None

Sampling Method: Geopump with dedicated tubing

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624 - VOCs
Totalizer: N/A

Notes:

Sampler Signature:

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631037017
NCSD Permit Number: 22-07
Sample Location: EW- 6
Date: October 23 , 2024
Time: 0525
Field Personnel: Kevin Cronin / Evan Schlegel

Physical Condition of Location: Good
Ambient Temperature: 63°
Wind: @ 10 MPH SSW
Precipitation: None

Sampling Method: Geopump with dedicated tubing

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624 - VOCs
Totalizer: N/A

Notes:

Sampler Signature: 

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631037017
NCSD Permit Number: 22-07
Sample Location: EW- 6
Date: October 23, 2024
Time: 1325
Field Personnel: Kevin Cronin / Evan Schlegel

Physical Condition of Location: Good
Ambient Temperature: 70°
Wind: 25 MPH SW
Precipitation: None

Sampling Method: Geopump with dedicated tubing

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624 - VOCs
Totalizer: N/A

Notes:

Sampler Signature:

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron NCSD Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			
PO # OS 221984	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	624 VOCs_5ml_UP_3day	1631E - Low Level Mercury	Sample Specific Notes:
MH 9-3	10-22-24	1325	G	W	3	N	N	X		COMPOSITE SAMPLES INTO ONE SAMPLE FOR ANALYSIS
MH 9-3	10-22-24	2125	G	W	3	N	N	X		
MH 9-3	10-23-24	0525	G	W	3	N	N	X		
MH 9-3	10-23-24	1325	G	W	3	N	N	X		
Trip Blank		LAB	G	W	2	N	N	X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

COMPOSITE MH 9-3 SAMPLES INTO ONE SAMPLE FOR ANALYSIS

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by:	APTIM	10/23/24 1710	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received in Laboratory by:		

Appendix B

Analytical Report

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Paul Bauer
Aptim Environmental & Infrastructure Inc
500 Penn Center Blvd, Suite 1000
Pittsburgh, Pennsylvania 15235

Generated 10/28/2024 3:44:30 PM

JOB DESCRIPTION

Bell Aerospace Textron

JOB NUMBER

480-224725-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

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

Authorization



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Authorized for release by
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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Qualifiers

GC/MS VOA

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

Glossary

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

Job ID: 480-224725-1 Eurofins Buffalo

Job Narrative
480-224725-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/23/2024 5:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

GC/MS VOA
Method 624_5ml_UP_3day: The continuing calibration verification (CCV) associated with batch 480-729782 recovered above the upper control limit for Acrolein. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TRIP BLANK (480-224725-5) and MH 9-3 COMP 1-4 (480-224725-6).

Method 624_5ml_UP_3day: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-729782 recovered outside control limits for the following analytes: Acrolein. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.The associated samples are impacted: TRIP BLANK (480-224725-5) and MH 9-3 COMP 1-4 (480-224725-6).

Method 624_5ml_UP_3day: The following Volatile sample was composited by the laboratory on 10/25/2024 as requested by the client: MH 9-3 COMP 1-4 (480-224725-6). Regulatory defined guidance for in-laboratory compositing of samples is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

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

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-224725-5

No Detections.

Client Sample ID: MH 9-3 COMP 1-4
Lab Sample ID: 480-224725-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	8.6	J	10	3.2	ug/L	1		624	Total/NA
Vinyl chloride	9.2		5.0	0.75	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-224725-5

Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Method: EPA 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/25/24 13:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/25/24 13:17	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/25/24 13:17	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/25/24 13:17	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/25/24 13:17	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/25/24 13:17	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/25/24 13:17	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/25/24 13:17	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/25/24 13:17	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/25/24 13:17	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/25/24 13:17	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/25/24 13:17	1
Acrolein	ND	*+	100	17	ug/L			10/25/24 13:17	1
Acrylonitrile	ND		50	1.9	ug/L			10/25/24 13:17	1
Benzene	ND		5.0	0.60	ug/L			10/25/24 13:17	1
Bromoform	ND		5.0	0.47	ug/L			10/25/24 13:17	1
Bromomethane	ND		5.0	1.2	ug/L			10/25/24 13:17	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/25/24 13:17	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/25/24 13:17	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/25/24 13:17	1
Chloroethane	ND		5.0	0.87	ug/L			10/25/24 13:17	1
Chloroform	ND		5.0	0.54	ug/L			10/25/24 13:17	1
Chloromethane	ND		5.0	0.64	ug/L			10/25/24 13:17	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/25/24 13:17	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/25/24 13:17	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/25/24 13:17	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/25/24 13:17	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/25/24 13:17	1
Toluene	ND		5.0	0.45	ug/L			10/25/24 13:17	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/25/24 13:17	1
Trichloroethene	ND		5.0	0.60	ug/L			10/25/24 13:17	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/25/24 13:17	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/25/24 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*10/25/24 13:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*10/25/24 13:17*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*10/25/24 13:17*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/25/24 13:17*	*1*

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Client Sample ID: MH 9-3 COMP 1-4
Lab Sample ID: 480-224725-6

Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Method: EPA 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/25/24 13:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/25/24 13:41	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/25/24 13:41	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/25/24 13:41	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/25/24 13:41	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/25/24 13:41	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/25/24 13:41	1
1,2-Dichloroethene, Total	**8.6**	**J**	10	3.2	ug/L			10/25/24 13:41	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/25/24 13:41	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/25/24 13:41	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/25/24 13:41	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/25/24 13:41	1
Acrolein	ND	*+	100	17	ug/L			10/25/24 13:41	1
Acrylonitrile	ND		50	1.9	ug/L			10/25/24 13:41	1
Benzene	ND		5.0	0.60	ug/L			10/25/24 13:41	1
Bromoform	ND		5.0	0.47	ug/L			10/25/24 13:41	1
Bromomethane	ND		5.0	1.2	ug/L			10/25/24 13:41	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/25/24 13:41	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/25/24 13:41	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/25/24 13:41	1
Chloroethane	ND		5.0	0.87	ug/L			10/25/24 13:41	1
Chloroform	ND		5.0	0.54	ug/L			10/25/24 13:41	1
Chloromethane	ND		5.0	0.64	ug/L			10/25/24 13:41	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/25/24 13:41	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/25/24 13:41	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/25/24 13:41	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/25/24 13:41	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/25/24 13:41	1
Toluene	ND		5.0	0.45	ug/L			10/25/24 13:41	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/25/24 13:41	1
Trichloroethene	ND		5.0	0.60	ug/L			10/25/24 13:41	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/25/24 13:41	1
Vinyl chloride	**9.2**		5.0	0.75	ug/L			10/25/24 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*10/25/24 13:41*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*10/25/24 13:41*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*10/25/24 13:41*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/25/24 13:41*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-224725-5	TRIP BLANK	101	98	98	102
480-224725-6	MH 9-3 COMP 1-4	104	98	98	102
LCS 480-729782/6	Lab Control Sample	100	98	97	100
MB 480-729782/8	Method Blank	102	97	99	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-729782/8
Matrix: Water
Analysis Batch: 729782

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/25/24 12:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/25/24 12:53	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/25/24 12:53	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/25/24 12:53	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/25/24 12:53	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/25/24 12:53	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/25/24 12:53	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/25/24 12:53	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/25/24 12:53	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/25/24 12:53	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/25/24 12:53	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/25/24 12:53	1
Acrolein	ND		100	17	ug/L			10/25/24 12:53	1
Acrylonitrile	ND		50	1.9	ug/L			10/25/24 12:53	1
Benzene	ND		5.0	0.60	ug/L			10/25/24 12:53	1
Bromoform	ND		5.0	0.47	ug/L			10/25/24 12:53	1
Bromomethane	ND		5.0	1.2	ug/L			10/25/24 12:53	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/25/24 12:53	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/25/24 12:53	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/25/24 12:53	1
Chloroethane	ND		5.0	0.87	ug/L			10/25/24 12:53	1
Chloroform	ND		5.0	0.54	ug/L			10/25/24 12:53	1
Chloromethane	ND		5.0	0.64	ug/L			10/25/24 12:53	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/25/24 12:53	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/25/24 12:53	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/25/24 12:53	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/25/24 12:53	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/25/24 12:53	1
Toluene	ND		5.0	0.45	ug/L			10/25/24 12:53	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/25/24 12:53	1
Trichloroethene	ND		5.0	0.60	ug/L			10/25/24 12:53	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/25/24 12:53	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/25/24 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*10/25/24 12:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*10/25/24 12:53*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*10/25/24 12:53*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/25/24 12:53*	*1*

Lab Sample ID: LCS 480-729782/6
Matrix: Water
Analysis Batch: 729782

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	52 - 162
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		106	46 - 157
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	52 - 150

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-729782/6
Matrix: Water
Analysis Batch: 729782

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	20.0	19.7		ug/L		99	59 - 155
1,1-Dichloroethene	20.0	20.4		ug/L		102	1 - 234
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	18 - 190
1,2-Dichloroethane	20.0	20.3		ug/L		102	49 - 155
1,2-Dichloropropane	20.0	21.3		ug/L		107	1 - 210
1,3-Dichlorobenzene	20.0	19.9		ug/L		100	59 - 156
1,4-Dichlorobenzene	20.0	19.9		ug/L		99	18 - 190
2-Chloroethyl vinyl ether	20.0	24.1	J	ug/L		121	1 - 305
Acrolein	100	236	*+	ug/L		236	10 - 176
Acrylonitrile	200	207		ug/L		104	54 - 147
Benzene	20.0	20.3		ug/L		102	37 - 151
Bromoform	20.0	23.6		ug/L		118	45 - 169
Bromomethane	20.0	16.2		ug/L		81	1 - 242
Carbon tetrachloride	20.0	21.3		ug/L		106	70 - 140
Chlorobenzene	20.0	20.0		ug/L		100	37 - 160
Dibromochloromethane	20.0	22.1		ug/L		110	53 - 149
Chloroethane	20.0	17.3		ug/L		86	14 - 230
Chloroform	20.0	19.7		ug/L		98	51 - 138
Chloromethane	20.0	40.9		ug/L		204	1 - 273
cis-1,3-Dichloropropene	20.0	22.8		ug/L		114	1 - 227
Bromodichloromethane	20.0	21.9		ug/L		110	35 - 155
Ethylbenzene	20.0	20.0		ug/L		100	37 - 162
Methylene Chloride	20.0	19.6		ug/L		98	1 - 221
Tetrachloroethene	20.0	19.9		ug/L		100	64 - 148
Toluene	20.0	19.5		ug/L		98	47 - 150
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	17 - 183
Trichloroethene	20.0	20.7		ug/L		103	71 - 157
Trichlorofluoromethane	20.0	23.9		ug/L		120	17 - 181
Vinyl chloride	20.0	22.0		ug/L		110	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*
Toluene-d8 (Surr)	*97*		*77 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

GC/MS VOA

Analysis Batch: 729782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-224725-5	TRIP BLANK	Total/NA	Water	624	
480-224725-6	MH 9-3 COMP 1-4	Total/NA	Water	624	
MB 480-729782/8	Method Blank	Total/NA	Water	624	
LCS 480-729782/6	Lab Control Sample	Total/NA	Water	624	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-224725-5
Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624		1	729782	AXK	EET BUF	10/25/24 13:17

Client Sample ID: MH 9-3 COMP 1-4
Lab Sample ID: 480-224725-6
Date Collected: 10/23/24 00:00
Matrix: Water
Date Received: 10/23/24 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624		1	729782	AXK	EET BUF	10/25/24 13:41

Laboratory References:

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

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,1,1-Trichloroethane
624		Water	1,1,2,2-Tetrachloroethane
624		Water	1,1,2-Trichloroethane
624		Water	1,1-Dichloroethane
624		Water	1,1-Dichloroethene
624		Water	1,2-Dichlorobenzene
624		Water	1,2-Dichloroethane
624		Water	1,2-Dichloroethene, Total
624		Water	1,2-Dichloropropane
624		Water	1,3-Dichlorobenzene
624		Water	1,4-Dichlorobenzene
624		Water	2-Chloroethyl vinyl ether
624		Water	Acrolein
624		Water	Acrylonitrile
624		Water	Benzene
624		Water	Bromodichloromethane
624		Water	Bromoform
624		Water	Bromomethane
624		Water	Carbon tetrachloride
624		Water	Chlorobenzene
624		Water	Chloroethane
624		Water	Chloroform
624		Water	Chloromethane
624		Water	cis-1,3-Dichloropropene
624		Water	Dibromochloromethane
624		Water	Ethylbenzene
624		Water	Methylene Chloride
624		Water	Tetrachloroethene
624		Water	Toluene
624		Water	trans-1,3-Dichloropropene
624		Water	Trichloroethene
624		Water	Trichlorofluoromethane
624		Water	Vinyl chloride

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 480-224725-1
Project/Site: Bell Aerospace Textron

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-224725-5	TRIP BLANK	Water	10/23/24 00:00	10/23/24 17:10
480-224725-6	MH 9-3 COMP 1-4	Water	10/23/24 00:00	10/23/24 17:10

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmeric

Client Contact	Project Manager: Paul Bauer	Site Contact: Kenin Cronin	Date:	COC No:
APTIM Environmental & Infrastructure, LLC	Email: paul.bauer@aptim.com	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
500 Penn Center Blvd, Suite 1000	Tel/Fax: 412-736-1462			TALS Project #:
Pittsburgh, PA 15235	Analysis Turnaround Time			Sampler:
(412) 736-1462 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Textron NCSD Sampling	☑ 2 weeks			Lab Sampling:
Site: Textron Wheatfield	☐ 1 week			Job / SDG No.:
PO # OS 221984	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	624 VOCs_5ml_UP_3day	1631E - Low Level Mercury	Sample Specific Notes:
MH 9-3	10-22-24	1325	G	W	3	N	N	X		COMPOSITE SAMPLES INTO ONE SAMPLE FOR ANALYSIS
MH 9-3	10-22-24	2125	G	W	3	N	N	X		
MH 9-3	10-23-24	0525	G	W	3	N	N	X		
MH 9-3	10-23-24	1325	G	W	3	N	N	X		
Trip Blank		LAB	G	W	2	N	N	X		

480-224725 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

COMPOSITE MH 9-3 SAMPLES INTO ONE SAMPLE FOR ANALYSIS 3.2 ICE IR#5C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____	
Relinquished by:	Company: APTIM	Date/Time: 10/23/24 1710	Received by: LC	Company:	Date/Time: 10/23/24 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.33, dated 5/4/2020

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 480-224725-1

Login Number: 224725
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	APTIM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Appendix H

Historical Sampling Results

Location Code			17-01(1)												
Sample Date			11/13/2017	12/10/2018	3/27/2019	1/17/2020	5/21/2020	8/18/2020	3/22/2021	10/13/2021	3/21/2022	10/6/2022	3/21/2023	10/17/2023	3/27/2024	10/24/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES																
1,1,1-Trichloroethane	µg/L	5	27	200	< 1000	< 1000	< 1000	< 1000	620	< 2000 U	510	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
1,1,2-Trichloroethane	µg/L	1	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
1,1-Dichloroethane	µg/L	5	17	84 J	< 1000	< 1000	< 1000	< 1000	260	< 2000 U	270 J J	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
1,1-Dichloroethene	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
1,2-Dichloroethane	µg/L	0.6	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
1,2-Dichloropropane	µg/L	1	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
2-Butanone	µg/L	50	< 25	< 500	< 10000	< 10000	< 10000	< 10000	< 400	< 20000 U	< 5000 U	< 20000 U	< 20000 U	< 20000 U	< 20000 U	< 20000 U
2-Hexanone	µg/L	50	< 25	< 500	< 5000	< 5000	< 5000	< 5000	< 200	< 10000 U	< 2500 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U
4-Methyl-2-pentanone	µg/L		< 25	< 500	< 5000	< 5000	< 5000	< 5000	< 200	< 10000 U	< 2500 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U
Acetone	µg/L	50	6.7 J	< 500	< 10000	< 10000	< 10000	< 10000	< 400 U+	< 20000 U	< 5000 U	< 20000 U+ U	< 20000 U	< 20000 U	< 20000 U	< 20000 U
Benzene	µg/L	1	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Bromodichloromethane	µg/L	50	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Bromoform	µg/L	50	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Bromomethane	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Carbondisulfide	µg/L	60	< 5	430	< 1000	< 1000	< 1000	< 1000	280	490 J J	250 J J	< 2000 U	< 2000 U	< 2000 U	860 J J	< 2000 U
Carbontetrachloride	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Chlorobenzene	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Chloroethane	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Chloroform (trichloromethane)	µg/L	7	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Chloromethane	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
cis-1,2-Dichloroethene	µg/L	5	620	4800	7000	9100	7100	6400	11000	17000	10000	15000	31000	33000	45000	30000
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Dibromochloromethane	µg/L	50	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Ethylbenzene	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
m,p-xylene	µg/L	5	< 10	< 200	< 2000	< 2000	< 2000	< 2000	< 80	< 4000 U	< 1000 U	< 4000 U	< 4000 U	< 4000 U	< 4000 U	< 4000 U
Methylene chloride	µg/L	5	< 5	28000 D	35000	28000	18000	21000	39000	100000	66000	31000	59000	44000	66000	58000
o-Xylene	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Styrene	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Tetrachloroethene	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Toluene	µg/L	5	< 5	< 100	< 1000	< 1000	< 1000	< 1000	27 J	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
trans-1,2-Dichloroethene	µg/L	5	2.6 J	< 100	< 1000	< 1000	< 1000	< 1000	43	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 100	< 1000	< 1000	< 1000	< 1000	< 40	< 2000 U	< 500 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Trichloroethene	µg/L	5	3.9 J	19000 J	42000	46000	33000	28000	65000	86000	67000	52000	84000	84000	92000	70000
Vinyl chloride	µg/L	2	510	330	< 1000	< 1000	< 1000	< 1000	480	< 2000 U	450 J J	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U

Location Code			17-02(1)			
Sample Date			11/13/2017	12/10/2018	3/22/2022	10/5/2022
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	22 J	47	< 80 U	18
1,1,2,2-Tetrachloroethane	µg/L	5	< 25	< 10	< 80 U	< 8 U
1,1,2-Trichloroethane	µg/L	1	< 25	< 10	< 80 U	< 8 U
1,1-Dichloroethane	µg/L	5	9 J	32	50 J J	33
1,1-Dichloroethene	µg/L	5	< 25	3.8 J	< 80 U	< 8 U
1,2-Dichloroethane	µg/L	0.6	< 25	< 10	< 80 U	< 8 U
1,2-Dichloropropane	µg/L	1	< 25	< 10	< 80 U	< 8 U
2-Butanone	µg/L	50	< 130	14 J	< 800 U	< 80 U
2-Hexanone	µg/L	50	< 130	< 50	< 400 U	< 40 U
4-Methyl-2-pentanone	µg/L		< 130	< 50	< 400 U	< 40 U
Acetone	µg/L	50	36 J	30	< 800 U	< 80 U
Benzene	µg/L	1	< 25	< 10	< 80 U	< 8 U
Bromodichloromethane	µg/L	50	< 25	< 10	< 80 U	< 8 U
Bromoform	µg/L	50	< 25	< 10	< 80 U	< 8 U
Bromomethane	µg/L	5	< 25	< 10	< 80 U	< 8 U
Carbondisulfide	µg/L	60	< 25	120	23 J J	15
Carbontetrachloride	µg/L	5	< 25	< 10	< 80 U	< 8 U
Chlorobenzene	µg/L	5	< 25	< 10	< 80 U	< 8 U
Chloroethane	µg/L	5	< 25	< 10	< 80 U	< 8 U
Chloroform (trichloromethane)	µg/L	7	< 25	< 10	< 80 U	< 8 U
Chloromethane	µg/L	5	< 25	< 10	< 80 U	< 8 U+ U
cis-1,2-Dichloroethene	µg/L	5	4300 D	1000	3400	490
cis-1,3-Dichloropropene	µg/L	0.4	< 25	< 10	< 80 U	< 8 U
Dibromochloromethane	µg/L	50	< 25	< 10	< 80 U	< 8 U
Ethylbenzene	µg/L	5	< 25	< 10	< 80 U	< 8 U
m,p-xylene	µg/L	5	< 50	< 20	< 160 U	< 16 U
Methylene chloride	µg/L	5	< 25	140	780	40
o-Xylene	µg/L	5	< 25	< 10	< 80 U	< 8 U
Styrene	µg/L	5	< 25	< 10	< 80 U	< 8 U
Tetrachloroethene	µg/L	5	< 25	< 10	< 80 U	< 8 U
Toluene	µg/L	5	< 25	< 10	< 80 U	< 8 U
trans-1,2-Dichloroethene	µg/L	5	19 J	4.9 J	< 80 U	13
Trans-1,3-Dichloropropene	µg/L	0.4	< 25	< 10	< 80 U	< 8 U
Trichloroethene	µg/L	5	490	1100	330	63
Vinyl chloride	µg/L	2	270	130	770	680

			Location Code	17-03(1)
			Sample Date	11/13/2017	12/10/2018
	Units	GPS	Result	Result
VOLATILES				
1,1,1-Trichloroethane	µg/L	5	48	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 1
1,1-Dichloroethane	µg/L	5	29	3.1
1,1-Dichloroethene	µg/L	5	< 5	< 1
1,2-Dichloroethane	µg/L	0.6	< 5	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 1
2-Butanone	µg/L	50	< 25	< 5
2-Hexanone	µg/L	50	< 25	< 5
4-Methyl-2-pentanone	µg/L		< 25	< 5
Acetone	µg/L	50	< 25	3.1 J
Benzene	µg/L	1	< 5	< 1
Bromodichloromethane	µg/L	50	< 5	< 1
Bromoform	µg/L	50	< 5	< 1
Bromomethane	µg/L	5	< 5	< 1
Carbondisulfide	µg/L	60	< 5	3.5
Carbontetrachloride	µg/L	5	< 5	< 1
Chlorobenzene	µg/L	5	< 5	< 1
Chloroethane	µg/L	5	< 5	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 1
Chloromethane	µg/L	5	< 5	< 1
cis-1,2-Dichloroethene	µg/L	5	710	7.8
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 1
Dibromochloromethane	µg/L	50	< 5	< 1
Ethylbenzene	µg/L	5	< 5	< 1
m,p-xylene	µg/L	5	< 10	< 2
Methylene chloride	µg/L	5	21	< 1
o-Xylene	µg/L	5	< 5	< 1
Styrene	µg/L	5	< 5	< 1
Tetrachloroethene	µg/L	5	< 5	< 1
Toluene	µg/L	5	< 5	< 1
trans-1,2-Dichloroethene	µg/L	5	4.4 J	0.38 J
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 1
Trichloroethene	µg/L	5	17	0.26 J
Vinyl chloride	µg/L	2	700	9.4

Location Code			17-04(1)							
Sample Date			11/15/2017	12/12/2018	3/23/2022	10/12/2022	3/16/2023	10/19/2023	3/28/2024	10/24/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES										
1,1,1-Trichloroethane	µg/L	5	2900	270 J	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
1,1,2-Trichloroethane	µg/L	1	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
1,1-Dichloroethane	µg/L	5	600	430 J	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
1,1-Dichloroethene	µg/L	5	440 J	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
1,2-Dichloroethane	µg/L	0.6	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
1,2-Dichloropropane	µg/L	1	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
2-Butanone	µg/L	50	< 2500	< 5000	< 100000 U	< 100000 U	< 100000 U	< 50000 U	< 20000 U	< 50000 U
2-Hexanone	µg/L	50	< 2500	< 5000	< 50000 U	< 50000 U	< 50000 U	< 25000 U	< 10000 U	< 25000 U
4-Methyl-2-pentanone	µg/L		< 2500	< 5000	< 50000 U	< 50000 U	< 50000 U	< 25000 U	< 10000 U	< 25000 U
Acetone	µg/L	50	< 2500	< 5000	< 100000 U	< 100000 U	< 100000 U	< 50000 U	< 20000 U	< 50000 U
Benzene	µg/L	1	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Bromodichloromethane	µg/L	50	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Bromoform	µg/L	50	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Bromomethane	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Carbondisulfide	µg/L	60	140 J	1400	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Carbontetrachloride	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Chlorobenzene	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Chloroethane	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Chloroform (trichloromethane)	µg/L	7	940	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Chloromethane	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
cis-1,2-Dichloroethene	µg/L	5	30000	12000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
cis-1,3-Dichloropropene	µg/L	0.4	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Dibromochloromethane	µg/L	50	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Ethylbenzene	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
m,p-xylene	µg/L	5	< 1000	< 2000	< 20000 U	< 20000 U	< 20000 U	< 10000 U	< 4000 U	< 10000 U
Methylene chloride	µg/L	5	180000 D	210000 D	620000	350000	240000	240000	79000	160000
o-Xylene	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Styrene	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Tetrachloroethene	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Toluene	µg/L	5	130 J	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
trans-1,2-Dichloroethene	µg/L	5	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 500	< 1000	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U
Trichloroethene	µg/L	5	170000 E	83000	12000	< 10000 U	< 10000 U	3800 J J	< 2000 U	< 5000 U
Vinyl chloride	µg/L	2	1400	510 J	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 2000 U	< 5000 U

Location Code			17-05(1)			
Sample Date			11/15/2017	12/12/2018	3/23/2022	10/13/2022
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	900	130	< 100 U	< 100 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 250	< 50	< 100 U	< 100 U
1,1,2-Trichloroethane	µg/L	1	< 250	< 50	< 100 U	< 100 U
1,1-Dichloroethane	µg/L	5	79 J	96	160	84 J J
1,1-Dichloroethene	µg/L	5	< 250	40 J	< 100 U	< 100 U
1,2-Dichloroethane	µg/L	0.6	< 250	< 50	< 100 U	< 100 U
1,2-Dichloropropane	µg/L	1	< 250	< 50	< 100 U	< 100 U
2-Butanone	µg/L	50	< 1300	< 250	< 1000 U	< 1000 U
2-Hexanone	µg/L	50	< 1300	< 250	< 500 U	< 500 U
4-Methyl-2-pentanone	µg/L		< 1300	< 250	< 500 U	< 500 U
Acetone	µg/L	50	< 1300	< 250	< 1000 U	< 1000 U
Benzene	µg/L	1	< 250	< 50	< 100 U	< 100 U
Bromodichloromethane	µg/L	50	< 250	< 50	< 100 U	< 100 U
Bromoform	µg/L	50	< 250	< 50	< 100 U	< 100 U
Bromomethane	µg/L	5	< 250	< 50	< 100 U	< 100 U
Carbondisulfide	µg/L	60	< 250	220	< 100 U	< 100 U
Carbontetrachloride	µg/L	5	< 250	< 50	< 100 U	< 100 U
Chlorobenzene	µg/L	5	< 250	< 50	< 100 U	< 100 U
Chloroethane	µg/L	5	< 250	< 50	< 100 U	< 100 U
Chloroform (trichloromethane)	µg/L	7	400	< 50	< 100 U	< 100 U
Chloromethane	µg/L	5	< 250	< 50	< 100 U	< 100 U
cis-1,2-Dichloroethene	µg/L	5	4300	6100	2700	890
cis-1,3-Dichloropropene	µg/L	0.4	< 250	< 50	< 100 U	< 100 U
Dibromochloromethane	µg/L	50	< 250	< 50	< 100 U	< 100 U
Ethylbenzene	µg/L	5	< 250	< 50	< 100 U	< 100 U
m,p-xylene	µg/L	5	< 500	< 100	< 200 U	< 200 U
Methylene chloride	µg/L	5	14000	1300	8200	5700
o-Xylene	µg/L	5	< 250	< 50	< 100 U	< 100 U
Styrene	µg/L	5	< 250	< 50	< 100 U	< 100 U
Tetrachloroethene	µg/L	5	< 250	< 50	< 100 U	< 100 U
Toluene	µg/L	5	< 250	< 50	< 100 U	< 100 U
trans-1,2-Dichloroethene	µg/L	5	< 250	18 J	< 100 U	< 100 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 250	< 50	< 100 U	< 100 U
Trichloroethene	µg/L	5	32000	6500	< 100 U	54 J J
Vinyl chloride	µg/L	2	930	910	1700	930

Location Code			19-01(1)						
Sample Date			8/28/2019	3/22/2022	10/10/2022	3/20/2023	10/19/2023	3/26/2024	10/25/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result
VOLATILES									
1,1,1-Trichloroethane	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
1,1,2-Trichloroethane	µg/L	1	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
1,1-Dichloroethane	µg/L	5	< 500	< 20 U	18 J J	< 100 U	4.1 J J	6 J J	12
1,1-Dichloroethene	µg/L	5	< 500	< 20 U	6.8 J J	< 100 U	< 10 U	< 10 U	< 10 U
1,2-Dichloroethane	µg/L	0.6	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
1,2-Dichloropropane	µg/L	1	NA	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
2-Butanone	µg/L	50	< 5000	< 200 U	220 J	< 1000 U	42 J J	90 J J	150
2-Hexanone	µg/L	50	< 2500	< 100 U	< 100 UJ	< 500 U	< 50 U	< 50 U	38 J J
4-Methyl-2-pentanone	µg/L		< 2500	< 100 U	< 100 UJ	< 500 U	< 50 U	< 50 U	< 50 U
Acetone	µg/L	50	< 5000	< 200 U	< 200 UJ	< 1000 U	< 100 U	< 100 U	< 100 U
Benzene	µg/L	1	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Bromodichloromethane	µg/L	50	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Bromoform	µg/L	50	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Bromomethane	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Carbondisulfide	µg/L	60	< 500	8 J J	< 20 UJ	< 100 U	< 10 U	15	< 10 U
Carbontetrachloride	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Chlorobenzene	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Chloroethane	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Chloroform (trichloromethane)	µg/L	7	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Chloromethane	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	8.3 J J	< 10 U
cis-1,2-Dichloroethene	µg/L	5	15000	130	1600 J	300	49	67	65
cis-1,3-Dichloropropene	µg/L	0.4	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Dibromochloromethane	µg/L	50	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Ethylbenzene	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Freon 113	µg/L		< 500	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 1000	< 40 U	< 40 UJ	< 200 U	< 20 U	< 20 U	< 20 U
Methylene chloride	µg/L	5	1900	160	290 J	730	530	440	790
o-Xylene	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Styrene	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Tetrachloroethene	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Toluene	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
trans-1,2-Dichloroethene	µg/L	5	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 500	< 20 U	< 20 UJ	< 100 U	< 10 U	< 10 U	< 10 U
Trichloroethene	µg/L	5	5400	< 20 U	180 J	< 100 U	< 10 U	11	35
Vinyl chloride	µg/L	2	5800	1300	9600 J	3800	730	540	870
Xylene (total)	µg/L		< 1000	NA	NA	NA	NA	NA	NA

Location Code			86-23(B)										
Sample Date			12/10/2018	3/26/2019	1/13/2020	5/21/2020	8/18/2020	3/16/2021	10/4/2021	3/17/2022	10/3/2022	10/3/2022	10/17/2023	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES														
1,1,1-Trichloroethane	µg/L	5	32	35	33	29	12	31	31	< 20 U	34	36	35	35
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
1,1,2-Trichloroethane	µg/L	1	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
1,1-Dichloroethane	µg/L	5	19	21	22	19	6.6 J	19	21	20	19	21	19 J J	18 J J
1,1-Dichloroethene	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	0.78 J J	< 20 U	< 20 U	< 20 U
1,2-Dichloroethane	µg/L	0.6	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
1,2-Dichloropropane	µg/L	1	< 5	< 10	< 10	< 10	< 10	< 8	NA	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
2-Butanone	µg/L	50	< 25	< 100	< 100	< 100	< 100	< 80	< 200 U	< 200 U	< 10 U	< 200 U	< 200 U	< 200 U
2-Hexanone	µg/L	50	< 25	< 50	< 50	< 50	< 50	< 40	< 100 U	< 100 U	< 5 U	< 100 U	< 100 U	< 100 U
4-Methyl-2-pentanone	µg/L		< 25	< 50	< 50	< 50	< 50	< 40	< 100 U	< 100 U	< 5 U	< 100 U	< 100 U	< 100 U
Acetone	µg/L	50	< 25	< 100	< 100	< 100	< 100	< 80	< 200 U	< 200 U	< 10 U	< 200 U	< 200 U	< 200 U
Benzene	µg/L	1	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Bromodichloromethane	µg/L	50	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Bromoform	µg/L	50	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Bromomethane	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Carbondisulfide	µg/L	60	4.6 J	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Carbontetrachloride	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Chlorobenzene	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Chloroethane	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Chloroform (trichloromethane)	µg/L	7	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Chloromethane	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
cis-1,2-Dichloroethene	µg/L	5	88	53	200	120	42	72	310	94	57	63	100	88
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Dibromochloromethane	µg/L	50	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Ethylbenzene	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	35	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 10	< 20	< 20	< 20	< 20	< 16	< 40 U	< 40 U	< 2 U	< 40 U	< 40 U	< 40 U
Methylene chloride	µg/L	5	< 5	< 10	11	< 10	< 10	< 8	53	15 J J	< 1 U	< 20 U	< 20 U	9.7 J J
o-Xylene	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Styrene	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Tetrachloroethene	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Toluene	µg/L	5	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
trans-1,2-Dichloroethene	µg/L	5	4.2 J	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	3.2	< 20 U	< 20 U	< 20 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 10	< 10	< 10	< 8	< 20 U	< 20 U	< 1 U	< 20 U	< 20 U	< 20 U
Trichloroethene	µg/L	5	5.4	6.7 J	7.2 J	5.7 J	< 10	4.7 J	13 J J	< 20 U	3.8	< 20 U	< 20 U	< 20 U
Vinyl chloride	µg/L	2	500	650	710	870	310	1300	1100	1300 F1 J-	1300	1100	1000	1200

Location Code			87-01(0)									
Sample Date			1/9/1995	2/1/1996	10/17/1996	10/30/1997	10/26/2000	10/2/2002	10/11/2004	10/24/2006	10/22/2008	10/10/2010
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES												
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.82
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.23
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.38
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.21
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.72
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 1.3
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 1.2
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 2.1
Acetone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 3
Benzene	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 1	< 1	< 1	< 0.41
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.39
Bromoform	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.26
Bromomethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.69
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.19
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 3	< 1	< 1	< 1	< 0.27
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.75
Chloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 2	< 1	< 1	< 1	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.34
Chloromethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.35
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.81
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.36
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.32
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.74
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 3	< 3	< 3	< 0.66
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.44
o-Xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.76
Styrene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.73
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.36
Toluene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.37
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	1	< 1	< 2	< 1	< 1	< 1	< 0.46
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.9

Location Code			87-01(1)												
Sample Date			1/9/1995	2/1/1996	10/17/1996	10/30/1997	10/29/1998	10/26/2000	10/2/2002	10/11/2004	10/24/2006	10/22/2008	10/10/2010	11/12/2012	10/30/2014
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	145	< 100	58	66	< 130	< 130	530	85	120	56	43	22	17
1,1,2,2-Tetrachloroethane	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.21	< 2.1	< 2.1
1,1,2-Trichloroethane	µg/L	1	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.23	< 2.3	< 2.3
1,1-Dichloroethane	µg/L	5	< 50	< 100	< 50	20	< 130	< 130	97	< 80	28	13	9.9	13	9.7
1,1-Dichloroethene	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	15	5.8	6.4	< 2.9	< 2.9
1,2-Dichloroethane	µg/L	0.6	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.21	< 2.1	< 2.1
1,2-Dichloropropane	µg/L	1	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.72	< 7.2	< 7.2
2-Butanone	µg/L	50	< 500	810	< 250	< 10	< 630	< 630	< 200	< 400	< 5	< 5	< 1.3	< 13	< 13
2-Hexanone	µg/L	50	< 500	< 500	< 100	< 10	< 250	< 250	< 200	< 400	< 5	< 5	< 1.2	< 12	< 12
4-Methyl-2-pentanone	µg/L		< 500	< 500	< 100	< 10	< 250	< 250	< 200	< 400	< 5	< 5	< 2.1	< 21	< 21
Acetone	µg/L	50	< 500	810	< 250	< 10	< 630	< 630	< 200	< 400	< 5	4.6	< 3	< 30	< 30
Benzene	µg/L	1	< 50	< 100	< 50	< 0.5	< 130	< 18	< 14	< 400	< 1	< 1	< 0.41	< 4.1	< 4.1
Bromodichloromethane	µg/L	50	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.39	< 3.9	< 3.9
Bromoform	µg/L	50	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.26	< 2.6	< 2.6
Bromomethane	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.69	< 6.9	< 6.9
Carbondisulfide	µg/L	60	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	1.4	1.1	0.83	17	< 1.9
Carbontetrachloride	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	84	< 80	< 1	< 1	< 0.27	< 2.7	< 2.7
Chlorobenzene	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.75	< 7.5	< 7.5
Chloroethane	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 40	< 80	< 1	< 1	< 0.32	< 3.2	< 3.2
Chloroform (trichloromethane)	µg/L	7	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	1.2	1.1	1.4	< 3.4	< 3.4
Chloromethane	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.35	< 3.5	< 3.5
cis-1,2-Dichloroethene	µg/L	5	2130	1600	920	1700	1000	870	8600	2100	4000	2200	1700	720	660
cis-1,3-Dichloropropene	µg/L	0.4	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.36	< 3.6	< 3.6
Dibromochloromethane	µg/L	50	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.32	< 3.2	< 3.2
Ethylbenzene	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.74	< 7.4	< 7.4
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 50	< 100	< 50	0.6	< 130	< 130	< 20	< 240	< 3	< 3	< 0.66	< 6.6	< 6.6
Methylene chloride	µg/L	5	842	< 100	< 50	< 0.5	< 130	< 130	< 20	34	730	< 1	< 0.44	< 4.4	< 4.4
o-Xylene	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	0.82	< 1	< 0.76	< 7.6	< 7.6
Styrene	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.73	< 7.3	< 7.3
Tetrachloroethene	µg/L	5	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	1.3	< 1	< 0.36	< 3.6	< 3.6
Toluene	µg/L	5	< 50	< 100	< 50	1	< 130	< 130	< 20	< 80	1	0.58	0.54	< 5.1	< 5.1
trans-1,2-Dichloroethene	µg/L	5	< 50	< 100	< 50	5	< 130	< 130	< 20	< 80	27	7	7.3	9.5	9.1
Trans-1,3-Dichloropropene	µg/L	0.4	< 50	< 100	< 50	< 0.5	< 130	< 130	< 20	< 80	< 1	< 1	< 0.37	< 3.7	< 3.7
Trichloroethene	µg/L	5	951	< 100	< 50	50	38	< 130	760	190	760	250	150	110	72
Vinyl chloride	µg/L	2	201	440	150	170	170	170	460	220	480	210	150	66	96
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-01(1)											
Sample Date			10/19/2016	5/23/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/26/2019	1/14/2020	5/22/2020
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	13	15	72	22	10	18	9.9	12	20	38	< 50	< 50	< 50
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
1,1,2-Trichloroethane	µg/L	1	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
1,1-Dichloroethane	µg/L	5	8.4	5.6	21	15	14	15	12	12	13	37	37 J	37 J	41 J
1,1-Dichloroethene	µg/L	5	< 5	2.6	7	< 10	< 2	< 1	1.9	< 2	0.73 J	4.3 J	< 50	< 50	< 50
1,2-Dichloroethane	µg/L	0.6	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
1,2-Dichloropropane	µg/L	1	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
2-Butanone	µg/L	50	< 25	< 2	< 25	< 50	6.8 J	3.8 J	< 5	< 10	< 5	< 50	< 500	< 500	< 500
2-Hexanone	µg/L	50	< 25	< 10	< 25	< 50	< 10	< 5	< 5	< 10	< 50	< 50	< 250	< 250	< 250
4-Methyl-2-pentanone	µg/L		< 25	< 10	< 25	< 50	< 10	< 5	< 5	< 10	< 5	< 50	< 250	< 250	< 250
Acetone	µg/L	50	7.5	< 10	6.5 J	< 50	16	7.1	< 5	< 10	< 5	< 50	< 500	< 500	< 500
Benzene	µg/L	1	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Bromodichloromethane	µg/L	50	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Bromoform	µg/L	50	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Bromomethane	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Carbondisulfide	µg/L	60	< 5	< 2	< 5	< 10	140	32	8.5	19	12	44	< 50	< 50	< 50
Carbontetrachloride	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Chlorobenzene	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Chloroethane	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Chloroform (trichloromethane)	µg/L	7	2.1	1.1 J	< 5	< 10	0.52 J	< 1	0.34 J	< 2	< 1	< 10	< 50	< 50	< 50
Chloromethane	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
cis-1,2-Dichloroethene	µg/L	5	640	690 D	1600 D	1200	290	58	520 D	30	190	1600	1700	2500	3300
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Dibromochloromethane	µg/L	50	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Ethylbenzene	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 10	< 4	< 10	< 20	< 4	< 2	< 2	< 4	< 2	< 20	< 100	< 100	< 100
Methylene chloride	µg/L	5	< 5	< 2	16	16	96	29	6.3	< 2	< 1	< 10	26 J	< 50	32 J
o-Xylene	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	0.23 J	< 10	< 50	< 50	< 50
Styrene	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Tetrachloroethene	µg/L	5	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Toluene	µg/L	5	< 5	< 2	< 5	< 10	< 2	0.22 J	0.24 J	< 2	0.3 J	< 10	< 50	< 50	< 50
trans-1,2-Dichloroethene	µg/L	5	6.3	6.8	6.4	5.2 J	4.8	6.4	4.9	7.7	7.3	13	< 50	< 50	< 50
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 2	< 5	< 10	< 2	< 1	< 1	< 2	< 1	< 10	< 50	< 50	< 50
Trichloroethene	µg/L	5	120	110	54	23	9.3	3.7	98	4.2	4.1	20	< 50	51	23 J
Vinyl chloride	µg/L	2	96	84	330	320	210	150	300 D	57	160	1400	1300	1500	1800
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-01(1)						
Sample Date			8/19/2020	10/14/2020	3/16/2021	10/5/2021	3/18/2022	10/5/2022	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result
VOLATILES									
1,1,1-Trichloroethane	µg/L	5	16	< 10	41	39	< 20 U	< 50 U	< 40 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
1,1,2-Trichloroethane	µg/L	1	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
1,1-Dichloroethane	µg/L	5	17	12	19	44	46	47 J J	88
1,1-Dichloroethene	µg/L	5	< 10	< 10	2.5 J	15 J J	< 20 U	< 50 U	14 J J
1,2-Dichloroethane	µg/L	0.6	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
1,2-Dichloropropane	µg/L	1	< 10	NA	< 8	NA	< 20 U	< 50 U	< 40 U
2-Butanone	µg/L	50	< 100	< 100	< 80	< 200 U	< 200 U	< 500 U	< 400 U
2-Hexanone	µg/L	50	< 50	< 50	< 40	< 100 U	< 100 U	< 250 U	< 200 U
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 40	< 100 U	< 100 U	< 250 U	< 200 U
Acetone	µg/L	50	< 100	< 100	< 80	< 200 U	< 200 U	< 500 U	< 400 U
Benzene	µg/L	1	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Bromodichloromethane	µg/L	50	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Bromoform	µg/L	50	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Bromomethane	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Carbondisulfide	µg/L	60	< 10	13	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Carbontetrachloride	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Chlorobenzene	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Chloroethane	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Chloroform (trichloromethane)	µg/L	7	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Chloromethane	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
cis-1,2-Dichloroethene	µg/L	5	570	330 F1	980	3400	1100 J+	1100	2900
cis-1,3-Dichloropropene	µg/L	0.4	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Dibromochloromethane	µg/L	50	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Ethylbenzene	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Freon 113	µg/L		NA	70	NA	250	NA	NA	NA
m,p-xylene	µg/L	5	< 20	< 20	< 16	< 40 U	< 40 U	< 100 U	< 80 U
Methylene chloride	µg/L	5	< 10	< 10	< 8	170	< 20 U	< 50 U	< 40 U
o-Xylene	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Styrene	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Tetrachloroethene	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Toluene	µg/L	5	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
trans-1,2-Dichloroethene	µg/L	5	10	9 J	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 10	< 10	< 8	< 20 U	< 20 U	< 50 U	< 40 U
Trichloroethene	µg/L	5	22	15	12	55	40	41 J J	52
Vinyl chloride	µg/L	2	450	290 F1	650	2500	2200 F1 J+	3300	2900
Xylene (total)	µg/L		NA	< 20	NA	NA	NA	NA	NA

Location Code			87-02(1)											
Sample Date			4/1/1994	7/1/1994	10/1/1994	1/11/1995	4/20/1995	7/12/1995	10/19/1995	2/1/1996	4/18/1996	7/17/1996	10/17/1996	1/15/1997	4/30/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	624	< 125	< 125	817	< 1000	< 50	< 25	250	< 250	< 25	< 25	8	6
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
1,1,2-Trichloroethane	µg/L	1	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
1,1-Dichloroethane	µg/L	5	23	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	2
1,1-Dichloroethene	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	0.9
1,2-Dichloroethane	µg/L	0.6	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
1,2-Dichloropropane	µg/L	1	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
2-Butanone	µg/L	50	< 50	< 1250	< 1250	< 1000	< 10000	< 500	< 250	< 250	< 1250	< 125	< 120	< 25	< 10
2-Hexanone	µg/L	50	< 50	< 1250	< 1250	< 1000	< 10000	< 500	< 250	< 250	< 500	< 50	< 50	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 1250	< 1250	< 1000	< 10000	< 500	< 250	< 250	< 500	< 50	< 50	< 10	< 10
Acetone	µg/L	50	< 50	< 1250	< 1250	< 1000	< 10000	< 500	< 250	< 250	< 1250	< 125	< 120	< 25	< 10
Benzene	µg/L	1	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Bromodichloromethane	µg/L	50	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Bromoform	µg/L	50	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Bromomethane	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Carbondisulfide	µg/L	60	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Carbontetrachloride	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Chlorobenzene	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Chloroethane	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Chloroform (trichloromethane)	µg/L	7	6	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	3
Chloromethane	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
cis-1,2-Dichloroethene	µg/L	5	1640	658	1830	7250	7010	510	370	6800	2000	340	350	170	250
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Dibromochloromethane	µg/L	50	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Ethylbenzene	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	26	< 50	< 250	< 25	< 25	< 5	< 0.5
Methylene chloride	µg/L	5	9880	< 125	828	16800	< 1000	< 50	< 25	820	< 250	< 25	< 25	< 5	< 0.5
o-Xylene	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Styrene	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Tetrachloroethene	µg/L	5	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Toluene	µg/L	5	6	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
trans-1,2-Dichloroethene	µg/L	5	15	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	4
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 125	< 125	< 100	< 1000	< 50	< 25	< 50	< 250	< 25	< 25	< 5	< 0.5
Trichloroethene	µg/L	5	13800	941	1540	20000	10000	620	130	4000	910	320	220	130	190
Vinyl chloride	µg/L	2	73	< 125	< 125	252	< 1000	< 50	< 25	300	< 250	< 25	< 25	8	15
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-02(1)												
Sample Date			7/23/1997	10/30/1997	10/29/1998	10/26/2000	10/3/2002	10/11/2004	10/24/2006	10/22/2008	10/10/2010	11/12/2012	10/30/2014	10/20/2016	11/13/2017
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	38	< 25	20	12	< 1	< 25	260	200	30	28	< 16	73	55
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.21	< 4.2	< 4.2	< 50	< 5
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.23	< 4.6	< 4.6	< 50	< 5
1,1-Dichloroethane	µg/L	5	9	< 25	8	< 5	< 1	< 25	42	42	7.4	12	< 7.6	26 J	15
1,1-Dichloroethene	µg/L	5	10	< 25	< 25	< 5	< 1	< 25	26	23	8	< 5.8	< 5.8	< 50	< 5
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.21	< 4.2	< 4.2	< 50	< 5
1,2-Dichloropropane	µg/L	1	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.72	< 14	< 14	< 50	< 5
2-Butanone	µg/L	50	< 10	< 120	< 130	< 50	< 10	< 120	< 5	< 5	< 1.3	< 26	< 26	< 250	< 25
2-Hexanone	µg/L	50	< 10	< 50	< 50	< 50	< 10	< 120	< 5	< 5	< 1.2	< 25	< 25	< 250	< 25
4-Methyl-2-pentanone	µg/L		< 10	< 50	< 50	< 50	< 10	< 120	< 5	< 5	< 2.1	< 42	< 42	< 250	< 25
Acetone	µg/L	50	< 10	< 120	< 130	< 50	< 10	< 120	< 5	< 5	< 3	< 60	< 60	< 250	< 25
Benzene	µg/L	1	< 0.5	< 25	< 25	< 4	< 0.7	< 120	< 1	< 1	< 0.41	< 8.2	< 8.2	< 50	< 5
Bromodichloromethane	µg/L	50	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.39	< 7.8	< 7.8	< 50	< 5
Bromoform	µg/L	50	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.26	< 5.2	< 5.2	< 50	< 5
Bromomethane	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.69	< 14	< 14	< 50	< 5
Carbondisulfide	µg/L	60	< 0.5	< 25	< 25	< 5	< 1	< 25	2.4	3.5	< 0.19	< 3.8	< 3.8	< 50	< 5
Carbontetrachloride	µg/L	5	< 0.5	< 25	< 25	< 5	< 3	< 25	< 1	< 1	< 0.27	< 5.4	< 5.4	< 50	< 5
Chlorobenzene	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.75	< 15	< 15	< 50	< 5
Chloroethane	µg/L	5	< 0.5	< 25	< 25	< 5	< 2	< 25	< 1	< 1	< 0.32	< 6.4	< 6.4	< 50	< 5
Chloroform (trichloromethane)	µg/L	7	4	< 25	< 25	< 5	< 1	< 25	3.2	3.6	1.5	< 6.8	< 6.8	< 50	4.2 J
Chloromethane	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.35	< 7	< 7	< 50	< 5
cis-1,2-Dichloroethene	µg/L	5	3400	300	360	480	7	530	7300	7800	1900	1100	880	5100	1700 D
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.36	< 7.2	< 7.2	< 50	< 5
Dibromochloromethane	µg/L	50	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.32	< 6.4	< 6.4	< 50	< 5
Ethylbenzene	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	0.98	< 0.74	< 15	< 15	< 50	< 5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 75	< 3	< 3	< 0.66	< 13	< 13	< 100	< 10
Methylene chloride	µg/L	5	0.7	< 25	< 25	< 5	< 1	23	3600	1300	10	830	< 8.8	220	3000 D
o-Xylene	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 25	0.56	1.4	< 0.76	< 15	< 15	< 50	< 5
Styrene	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.73	< 15	< 15	< 50	< 5
Tetrachloroethene	µg/L	5	< 0.5	< 25	< 25	< 5	< 1	< 25	0.72	2	< 0.36	< 7.2	< 7.2	< 50	< 5
Toluene	µg/L	5	2	< 25	< 25	< 5	< 1	< 25	1.4	2.2	< 0.51	< 10	< 10	< 50	< 5
trans-1,2-Dichloroethene	µg/L	5	19	< 25	< 25	< 5	< 1	< 25	28	18	12	< 18	< 18	< 50	6
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 25	< 25	< 5	< 1	< 25	< 1	< 1	< 0.37	< 7.4	< 7.4	< 50	< 5
Trichloroethene	µg/L	5	1100	230	300	580	13	760	1900	3000	1000	1200	1200	3900	690
Vinyl chloride	µg/L	2	160	< 25	20	< 5	< 1	18	350	280	65	39	42	330	160
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-02(1)											
Sample Date			1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/26/2019	1/14/2020	5/22/2020	8/19/2020	10/13/2020	3/16/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	31	16	27	18	1.8	12	4.4	1.2	24	25	< 5	3.5	5.4
1,1,2,2-Tetrachloroethane	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
1,1-Dichloroethane	µg/L	5	19 J	19	29	12	6.4	6.5	12	4.5	12	16	18	15	20
1,1-Dichloroethene	µg/L	5	< 25	6.5 J	< 20	< 1	< 1	0.31 J	< 2.5	< 1	< 1	0.86 J	< 5	< 1	1.2
1,2-Dichloroethane	µg/L	0.6	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	NA	< 1
2-Butanone	µg/L	50	< 130	< 50	< 100	< 5	< 5	< 5	< 13	< 10	< 10	< 10	< 50	< 10	< 10
2-Hexanone	µg/L	50	< 130	< 50	< 100	< 5	< 5	< 5	< 13	< 5	< 5	< 5	< 25	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 130	< 50	< 100	< 5	< 5	< 5	< 13	< 5	< 5	< 5	< 25	< 5	< 5
Acetone	µg/L	50	< 130	< 50	< 100	3.3 J	2.2 J	< 5	< 13	< 10	< 10	< 10	< 50	< 10	< 10
Benzene	µg/L	1	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Bromodichloromethane	µg/L	50	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Bromoform	µg/L	50	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Bromomethane	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Carbondisulfide	µg/L	60	< 25	21	28	19	2.1	1.1	9	< 1	< 1	0.4 J	< 5	< 1	< 1
Carbontetrachloride	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Chlorobenzene	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Chloroethane	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Chloromethane	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	3400	2800 D	2100	50	14	49	190	9	64	340	290	75	540
cis-1,3-Dichloropropene	µg/L	0.4	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Dibromochloromethane	µg/L	50	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Ethylbenzene	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36	NA
m,p-xylene	µg/L	5	< 50	< 20	< 40	< 2	< 2	< 2	< 5	< 2	< 2	< 2	< 10	< 2	< 2
Methylene chloride	µg/L	5	800	220	34	1.7	< 1	21	< 2.5	< 1	46	2800	< 5	< 1	6.6
o-Xylene	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Styrene	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Tetrachloroethene	µg/L	5	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Toluene	µg/L	5	< 25	< 10	< 20	0.22 J	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	10 J	8.2 J	8.6 J	4.6	1.2	0.93 J	3.9	0.92 J	1.3	1.7	< 5	2.8	2.7
Trans-1,3-Dichloropropene	µg/L	0.4	< 25	< 10	< 20	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 5	< 1	< 1
Trichloroethene	µg/L	5	350	63	88	3.9	2.5	39	13	2.5	17	16	44	17	26
Vinyl chloride	µg/L	2	210	530	1100	85	22	35	330	22	69	220	220	94	300
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA

Location Code			87-02(1)			
Sample Date			10/6/2021	3/18/2022	10/5/2022	10/23/2024
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	28	35	33	< 10 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
1,1,2-Trichloroethane	µg/L	1	< 10 U	< 10 U	< 10 U	< 10 U
1,1-Dichloroethane	µg/L	5	16	20	21	20
1,1-Dichloroethene	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
1,2-Dichloroethane	µg/L	0.6	< 10 U	< 10 U	< 10 U	< 10 U
1,2-Dichloropropane	µg/L	1	NA	< 10 U	< 10 U	< 10 U
2-Butanone	µg/L	50	< 100 U	< 100 U	< 100 U	< 100 U
2-Hexanone	µg/L	50	< 50 U	< 50 U	< 50 U	< 50 U
4-Methyl-2-pentanone	µg/L		< 50 U	< 50 U	< 50 U	< 50 U
Acetone	µg/L	50	< 100 U	< 100 U	< 100 U	< 100 U
Benzene	µg/L	1	< 10 U	< 10 U	< 10 U	< 10 U
Bromodichloromethane	µg/L	50	< 10 U	< 10 U	< 10 U	< 10 U
Bromoform	µg/L	50	< 10 U	< 10 U	< 10 U	< 10 U
Bromomethane	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
Carbondisulfide	µg/L	60	< 10 U	< 10 U	< 10 U	< 10 U
Carbontetrachloride	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
Chlorobenzene	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
Chloroethane	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
Chloroform (trichloromethane)	µg/L	7	< 10 U	< 10 U	< 10 U	< 10 U
Chloromethane	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
cis-1,2-Dichloroethene	µg/L	5	390	280	400	330
cis-1,3-Dichloropropene	µg/L	0.4	< 10 U	< 10 U	< 10 U	< 10 U
Dibromochloromethane	µg/L	50	< 10 U	< 10 U	< 10 U	< 10 U
Ethylbenzene	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
Freon 113	µg/L		20	NA	NA	NA
m,p-xylene	µg/L	5	< 20 U	< 20 U	< 20 U	< 20 U
Methylene chloride	µg/L	5	< 10 U	6.5 J J	72	8.2 J J
o-Xylene	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
Styrene	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
Tetrachloroethene	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
Toluene	µg/L	5	< 10 U	< 10 U	< 10 U	< 10 U
trans-1,2-Dichloroethene	µg/L	5	< 10 U	< 10 U	< 10 U	9 J J
Trans-1,3-Dichloropropene	µg/L	0.4	< 10 U	< 10 U	< 10 U	< 10 U
Trichloroethene	µg/L	5	16	17	10	13
Vinyl chloride	µg/L	2	220	240	260	970
Xylene (total)	µg/L		NA	NA	NA	NA

Location Code			87-02(3)											
Sample Date			4/27/1994	7/21/1994	10/26/1994	1/11/1995	4/20/1995	7/11/1995	10/19/1995	2/1/1996	4/18/1996	7/17/1996	10/17/1996	1/15/1997	4/30/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	µg/L	1	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	µg/L	50	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 0.5	< 10	< 10	< 10	< 10	< 10
Benzene	µg/L	1	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	µg/L	50	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	50	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbondisulfide	µg/L	60	1	< 1	< 1	2	< 1	1	< 1	1	2	1	3	1	1
Carbontetrachloride	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	µg/L	50	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene chloride	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Styrene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	µg/L	5	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	µg/L	2	< 0.5	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-02(3)												
Sample Date			7/23/1997	10/30/1997	4/20/1998	10/29/1998	10/28/1999	10/26/2000	10/9/2001	10/3/2002	10/21/2003	10/11/2004	10/14/2005	10/24/2006	10/7/2007
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	1.9
Benzene	µg/L	1	0.6	< 0.5	< 0.7	< 5	< 0.7	< 0.7	< 0.7	0.8	0.69	0.37	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	1	0.7	5	< 5	7	< 1	23	3	2.3	0.22	0.75	1.7	4
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 3	< 3	< 2	< 3	< 2
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-02(3)												
Sample Date			10/22/2008	10/15/2009	10/10/2010	11/12/2012	10/30/2014	5/18/2015	6/25/2015	10/21/2015	4/28/2016	10/20/2016	10/30/2018	10/13/2020	10/5/2022	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES																
1,1,1-Trichloroethane	µg/L	5	< 1	< 0.26	< 0.82	< 0.82	< 0.82	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	< 1	< 0.38	< 0.38	< 0.38	< 0.38	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
1,1-Dichloroethene	µg/L	5	< 1	< 0.29	< 0.29	< 0.29	< 0.29	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 1	< 0.32	< 0.72	< 0.72	< 0.72	< 1	< 5	< 1	< 1	< 1	< 1	NA	< 1 U	< 1 U
2-Butanone	µg/L	50	< 5	< 1.3	< 1.3	< 1.3	< 1.3	< 5	< 25	< 25	< 25	< 5	< 5	< 10	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5	< 1.2	< 1.2	< 1.2	< 1.2	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 0.91	< 2.1	< 2.1	< 2.1	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5 U	< 5 U
Acetone	µg/L	50	< 5	< 1.3	< 3	< 3	< 3	< 5	< 25	< 5	< 5	< 5	2.5	3.7 J	4.5 J J	< 10 U
Benzene	µg/L	1	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 1	< 5	< 1	< 1	< 1	< 1	1.3	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 0.39	< 0.39	< 0.39	< 0.39	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Bromoform	µg/L	50	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 0.28	< 0.69	< 0.69	< 0.69	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Carbondisulfide	µg/L	60	3.4	1.6	1.7	5.2	1.7	0.97	1.2	7.2	6.9	1.3	3.4	0.45 J	< 1 U	0.22 J J
Carbontetrachloride	µg/L	5	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1	< 0.32	< 0.75	< 0.75	< 0.75	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 0.34	< 0.34	< 0.34	< 0.34	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	0.78	< 0.38	< 0.81	< 0.81	< 0.81	< 1	< 5	0.47	< 1	< 1	< 1	< 1	< 1 U	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 0.18	< 0.74	< 0.74	< 0.74	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
m,p-xylene	µg/L	5	< 2	< 0.66	< 0.66	< 0.66	< 0.66	< 2	< 10	< 2	< 2	< 2	< 2	< 2	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 0.44	< 0.44	< 0.44	< 0.44	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 0.36	< 0.76	< 0.76	< 0.76	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 0.18	< 0.73	< 0.73	< 0.73	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Toluene	µg/L	5	< 1	< 0.51	< 0.51	< 0.51	< 0.51	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 1	< 0.42	< 0.9	< 0.9	< 0.9	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Trichloroethene	µg/L	5	< 1	< 0.46	< 0.46	< 0.46	< 0.46	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Vinyl chloride	µg/L	2	< 1	< 0.24	< 0.9	< 0.9	< 0.9	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA

		Location Code	87-04(0)
		Sample Date	12/16/2024
	Units	GPS	Result
VOLATILES			
1,1,1-Trichloroethane	µg/L	5	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1 U
1,1-Dichloroethane	µg/L	5	< 1 U
1,1-Dichloroethene	µg/L	5	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1 U
2-Butanone	µg/L	50	< 10 U
2-Hexanone	µg/L	50	< 5 U
4-Methyl-2-pentanone	µg/L		< 5 U
Acetone	µg/L	50	< 10 U
Benzene	µg/L	1	< 1 U
Bromodichloromethane	µg/L	50	< 1 U
Bromoform	µg/L	50	< 1 U
Bromomethane	µg/L	5	< 1 U
Carbondisulfide	µg/L	60	< 1 U
Carbontetrachloride	µg/L	5	< 1 U
Chlorobenzene	µg/L	5	< 1 U
Chloroethane	µg/L	5	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1 U
Chloromethane	µg/L	5	< 1 U
cis-1,2-Dichloroethene	µg/L	5	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 1 U
Dibromochloromethane	µg/L	50	< 1 U
Ethylbenzene	µg/L	5	< 1 U
Freon 113	µg/L		< 1 U
m,p-xylene	µg/L	5	< 2 U
Methylene chloride	µg/L	5	< 1 U
o-Xylene	µg/L	5	< 1 U
Styrene	µg/L	5	< 1 U
Tetrachloroethene	µg/L	5	< 1 U
Toluene	µg/L	5	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1 U
Trichloroethene	µg/L	5	7.4
Vinyl chloride	µg/L	2	< 1 U
Xylene (total)	µg/L		< 2 U

Location Code			87-04(1)												
Sample Date			5/22/2017	12/12/2018	1/16/2020	5/27/2020	8/21/2020	3/18/2021	10/13/2021	3/23/2022	10/12/2022	3/16/2023	10/18/2023	3/28/2024	10/24/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
1,1,2-Trichloroethane	µg/L	1	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
1,1-Dichloroethane	µg/L	5	2.9	6.8 J	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
1,1-Dichloroethene	µg/L	5	2.9	26	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
1,2-Dichloroethane	µg/L	0.6	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
1,2-Dichloropropane	µg/L	1	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
2-Butanone	µg/L	50	< 10	< 100	< 25000	< 25000	< 25000	< 25000	< 25000 U	< 5000 U	< 5000 U	< 5000 U	< 2000 U	< 2000 U	< 10000 U
2-Hexanone	µg/L	50	< 10	< 100	< 13000	< 13000	< 13000	< 13000	< 13000 U	< 2500 U	< 2500 U	< 2500 U	< 1000 U	< 1000 U	< 5000 U
4-Methyl-2-pentanone	µg/L		< 10	< 100	< 13000	< 13000	< 13000	< 13000	< 13000 U	< 2500 U	< 2500 U	< 2500 U	< 1000 U	< 1000 U	< 5000 U
Acetone	µg/L	50	< 10	< 100	< 25000	< 25000	< 25000	< 25000 U+	< 25000 U	< 5000 U	< 5000 U	< 5000 U	< 2000 U	< 2000 U	< 10000 U
Benzene	µg/L	1	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Bromodichloromethane	µg/L	50	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Bromoform	µg/L	50	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Bromomethane	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	210	< 1000 U
Carbondisulfide	µg/L	60	< 2	100	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	100 J J	< 200 U	< 200 U	< 1000 U
Carbontetrachloride	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Chlorobenzene	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Chloroethane	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Chloroform (trichloromethane)	µg/L	7	0.8 J	22	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Chloromethane	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	300	< 1000 U
cis-1,2-Dichloroethene	µg/L	5	290	1600	< 2500	< 2500	< 2500	2400 J	< 2500 U	860	1000	1100	1600	< 200 U	2100
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Dibromochloromethane	µg/L	50	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Ethylbenzene	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
m,p-xylene	µg/L	5	< 4	< 40	< 5000	< 5000	< 5000	< 5000	< 5000 U	< 1000 U	< 1000 U	< 1000 U	< 400 U	< 400 U	< 2000 U
Methylene chloride	µg/L	5	31	64000 D	71000	110000	89000	180000	83000	26000	32000	22000	8300	57000	11000
o-Xylene	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Styrene	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Tetrachloroethene	µg/L	5	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Toluene	µg/L	5	< 2	5.8 J	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
trans-1,2-Dichloroethene	µg/L	5	3.6	28	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 20	< 2500	< 2500	< 2500	< 2500	< 2500 U	< 500 U	< 500 U	< 500 U	< 200 U	< 200 U	< 1000 U
Trichloroethene	µg/L	5	36	770	1200 J	1300 J	< 2500	1900 J	1400 J J	510	1200	590	730	100 J J	940 J J
Vinyl chloride	µg/L	2	210	980	< 2500	< 2500	< 2500	< 2500	< 2500 U	510	< 500 U	< 500 U	1100	< 200 U	1400

Location Code			87-05(1)			
Sample Date			5/23/2017	12/10/2018	3/21/2022	10/6/2022
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	140	23 J	< 20 U	50
1,1,2,2-Tetrachloroethane	µg/L	5	< 50	< 50	< 20 U	< 20 U
1,1,2-Trichloroethane	µg/L	1	< 50	< 50	< 20 U	< 20 U
1,1-Dichloroethane	µg/L	5	42 J	23 J	23	120
1,1-Dichloroethene	µg/L	5	< 50	23 J	< 20 U	19 J J
1,2-Dichloroethane	µg/L	0.6	< 50	< 50	< 20 U	< 20 U
1,2-Dichloropropane	µg/L	1	< 50	< 50	< 20 U	< 20 U
2-Butanone	µg/L	50	< 250	< 250	< 200 U	< 200 U
2-Hexanone	µg/L	50	< 250	< 250	< 100 U	< 100 U
4-Methyl-2-pentanone	µg/L		< 250	< 250	< 100 U	< 100 U
Acetone	µg/L	50	< 250	< 250	87 J J	< 200 U+ U
Benzene	µg/L	1	< 50	< 50	< 20 U	< 20 U
Bromodichloromethane	µg/L	50	< 50	< 50	< 20 U	< 20 U
Bromoform	µg/L	50	< 50	< 50	< 20 U	< 20 U
Bromomethane	µg/L	5	< 50	< 50	< 20 U	< 20 U
Carbondisulfide	µg/L	60	< 50	72	6.7 J J	27
Carbontetrachloride	µg/L	5	< 50	< 50	< 20 U	< 20 U
Chlorobenzene	µg/L	5	< 50	< 50	< 20 U	< 20 U
Chloroethane	µg/L	5	< 50	< 50	< 20 U	< 20 U
Chloroform (trichloromethane)	µg/L	7	< 50	< 50	< 20 U	< 20 U
Chloromethane	µg/L	5	< 50	< 50	< 20 U	< 20 U
cis-1,2-Dichloroethene	µg/L	5	6900	7200	200	5900
cis-1,3-Dichloropropene	µg/L	0.4	< 50	< 50	< 20 U	< 20 U
Dibromochloromethane	µg/L	50	< 50	< 50	< 20 U	< 20 U
Ethylbenzene	µg/L	5	< 50	< 50	< 20 U	< 20 U
m,p-xylene	µg/L	5	< 100	< 100	< 40 U	< 40 U
Methylene chloride	µg/L	5	2100	< 50	19 J J	760
o-Xylene	µg/L	5	< 50	< 50	< 20 U	< 20 U
Styrene	µg/L	5	< 50	< 50	< 20 U	< 20 U
Tetrachloroethene	µg/L	5	< 50	< 50	< 20 U	< 20 U
Toluene	µg/L	5	12 J	12 J	< 20 U	< 20 U
trans-1,2-Dichloroethene	µg/L	5	< 50	31 J	< 20 U	< 20 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 50	< 50	< 20 U	< 20 U
Trichloroethene	µg/L	5	1300	670	25	370
Vinyl chloride	µg/L	2	460	1900	74	2100

Location Code			87-08(1)											
Sample Date			4/27/1994	7/21/1994	10/26/1994	1/12/1995	4/20/1995	7/12/1995	10/19/1995	2/1/1996	4/17/1996	7/17/1996	10/16/1996	1/15/1997	4/30/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
1,1,2-Trichloroethane	µg/L	1	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
1,1-Dichloroethane	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
1,1-Dichloroethene	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
1,2-Dichloroethane	µg/L	0.6	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
1,2-Dichloropropane	µg/L	1	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
2-Butanone	µg/L	50	< 50	< 250	< 250	< 500	< 5000	< 50	< 1000	< 250	< 250	< 250	< 620	< 620	< 1200
2-Hexanone	µg/L	50	< 50	< 250	< 250	< 500	< 5000	< 50	< 1000	< 250	< 100	< 100	< 250	< 250	< 500
4-Methyl-2-pentanone	µg/L		< 50	< 250	< 250	< 500	< 5000	< 50	< 1000	< 250	< 100	< 100	< 250	< 250	< 500
Acetone	µg/L	50	< 50	< 250	< 250	< 500	< 5000	< 50	< 1000	260	< 250	< 250	< 620	< 620	< 1200
Benzene	µg/L	1	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Bromodichloromethane	µg/L	50	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Bromoform	µg/L	50	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Bromomethane	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Carbondisulfide	µg/L	60	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Carbontetrachloride	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Chlorobenzene	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Chloroethane	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Chloroform (trichloromethane)	µg/L	7	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Chloromethane	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
cis-1,2-Dichloroethene	µg/L	5	684	523	1340	1160	12600	1090	1400	1200	950	1500	1300	1100	1300
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Dibromochloromethane	µg/L	50	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Ethylbenzene	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Methylene chloride	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	220	< 50	790	3200	3400	11000	6800
o-Xylene	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Styrene	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Tetrachloroethene	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Toluene	µg/L	5	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
trans-1,2-Dichloroethene	µg/L	5	10	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 25	< 25	< 50	< 500	< 5	< 100	< 50	< 50	< 50	< 120	< 120	< 250
Trichloroethene	µg/L	5	81	57	184	94	950	49	220	200	130	650	550	550	420
Vinyl chloride	µg/L	2	42	30	150	72	662	72	< 100	76	100	94	< 120	< 120	< 250
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-08(1)											
Sample Date			7/23/1997	10/30/1997	10/29/1998	10/25/2000	10/3/2002	10/11/2004	10/24/2006	10/22/2008	10/10/2010	11/12/2012	10/30/2014	10/20/2016	11/14/2017
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	1.2	0.6	0.85	< 8.2	< 8.2	0.77 J	2.6
1,1,2,2-Tetrachloroethane	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.21	< 2.1	< 2.1	< 1	< 2.5
1,1,2-Trichloroethane	µg/L	1	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.23	< 2.3	< 2.3	< 1	< 2.5
1,1-Dichloroethane	µg/L	5	< 25	< 100	< 20	< 100	5	< 50	5.1	4.7	3.4	< 3.8	< 3.8	1.7	4.7
1,1-Dichloroethene	µg/L	5	< 25	< 100	< 20	< 100	4	< 50	4.7	5	3.9	< 2.9	< 2.9	1.9	4.2
1,2-Dichloroethane	µg/L	0.6	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.21	< 2.1	< 2.1	< 1	< 2.5
1,2-Dichloropropane	µg/L	1	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.72	< 7.2	< 7.2	< 1	< 2.5
2-Butanone	µg/L	50	< 500	< 500	< 200	< 500	< 10	< 250	< 5	< 5	< 1.3	< 13	< 13	< 5	< 13
2-Hexanone	µg/L	50	< 500	< 200	< 200	< 200	< 10	< 250	< 5	< 5	< 1.2	< 12	< 12	< 5	< 13
4-Methyl-2-pentanone	µg/L		< 500	< 200	< 200	< 200	< 10	< 250	< 5	< 5	< 2.1	< 21	< 21	< 5	< 13
Acetone	µg/L	50	< 500	< 500	< 200	< 500	< 10	< 250	< 5	< 5	< 3	< 30	< 30	< 5	4.5 J
Benzene	µg/L	1	< 25	< 100	< 14	< 14	< 0.7	< 250	< 1	< 1	< 0.41	< 4.1	< 4.1	< 1	< 2.5
Bromodichloromethane	µg/L	50	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.39	< 3.9	< 3.9	< 1	< 2.5
Bromoform	µg/L	50	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.26	< 2.6	< 2.6	< 1	< 2.5
Bromomethane	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.69	< 6.9	< 6.9	< 1	< 2.5
Carbondisulfide	µg/L	60	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.19	< 1.9	< 1.9	0.23	< 2.5
Carbontetrachloride	µg/L	5	< 25	< 100	< 20	< 100	< 3	< 50	< 1	< 1	< 0.27	< 2.7	< 2.7	< 1	< 2.5
Chlorobenzene	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.75	< 7.5	< 7.5	< 1	< 2.5
Chloroethane	µg/L	5	< 25	< 100	< 20	< 100	3	< 50	< 1	< 1	< 0.32	< 3.2	< 3.2	< 1	< 2.5
Chloroform (trichloromethane)	µg/L	7	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.34	< 3.4	< 3.4	< 1	< 2.5
Chloromethane	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.35	< 3.5	< 3.5	< 1	< 2.5
cis-1,2-Dichloroethene	µg/L	5	1300	1500	1800	1200	950	1700	970	1100	1200	480	460	300 D	720 D
cis-1,3-Dichloropropene	µg/L	0.4	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.36	< 3.6	< 3.6	< 1	< 2.5
Dibromochloromethane	µg/L	50	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.32	< 3.2	< 3.2	< 1	< 2.5
Ethylbenzene	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.74	< 7.4	< 7.4	< 1	< 2.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 150	< 3	< 3	< 0.66	< 6.6	< 6.6	< 2	< 5
Methylene chloride	µg/L	5	54	870	< 20	< 100	< 1	31	< 1	< 1	< 0.44	< 4.4	< 4.4	< 1	< 2.5
o-Xylene	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.76	< 7.6	< 7.6	< 1	< 2.5
Styrene	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.73	< 7.3	< 7.3	< 1	< 2.5
Tetrachloroethene	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.36	< 3.6	< 3.6	< 1	< 2.5
Toluene	µg/L	5	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.51	< 5.1	< 5.1	< 1	< 2.5
trans-1,2-Dichloroethene	µg/L	5	< 25	< 100	< 20	< 100	3	20	13	7.3	6.2	< 9	< 9	1.6	3.4
Trans-1,3-Dichloropropene	µg/L	0.4	< 25	< 100	< 20	< 100	< 1	< 50	< 1	< 1	< 0.37	< 3.7	< 3.7	< 1	< 2.5
Trichloroethene	µg/L	5	790	400	56	< 100	6	43	47	18	17	5.7	4.7	3.5	7
Vinyl chloride	µg/L	2	53	110	120	93	61	230	150	200	170	93	140	72	190
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-08(1)											
Sample Date			1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/13/2018	1/15/2020	5/27/2020	8/20/2020	10/14/2020	3/18/2021	10/11/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	3.5 J	6.1 J	8 J	1.9 J	8.6	8.5 J	9.3	< 20	< 20	52	< 10	9 J	< 10 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
1,1,2-Trichloroethane	µg/L	1	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
1,1-Dichloroethane	µg/L	5	6.4	15	20	6.6	15	24	16	22	22	67	13	15	21
1,1-Dichloroethene	µg/L	5	4.2 J	8.4 J	9 J	0.94 J	3.7	6.2 J	2.7 J	< 20	< 20	28	< 10	5.7 J	3.4 J J
1,2-Dichloroethane	µg/L	0.6	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
1,2-Dichloropropane	µg/L	1	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	NA	< 10	< 10 U
2-Butanone	µg/L	50	< 25	< 50	< 50	< 13	4 J	< 50	< 25	< 200	< 200	< 200	< 100	< 100	< 100 U
2-Hexanone	µg/L	50	< 25	< 50	< 50	< 13	< 13	< 50	< 25	< 100	< 100	< 100	< 50	< 50	< 50 U
4-Methyl-2-pentanone	µg/L		< 25	< 50	< 50	< 13	< 13	< 50	< 25	< 100	< 100	< 100	< 50	< 50	< 50 U
Acetone	µg/L	50	9.3 J	< 50	< 50	6.3 J	11 J	< 50	< 25	< 200	< 200	< 200	< 100	< 100 U+	< 100 U+ U
Benzene	µg/L	1	< 5	< 10	< 10	< 2.5	0.53 J	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Bromodichloromethane	µg/L	50	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Bromoform	µg/L	50	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Bromomethane	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10 UF2	< 10	< 10 U
Carbondisulfide	µg/L	60	12	12	17	6.6	11	61	21	< 20	< 20	< 20	< 10	< 10	< 10 U
Carbontetrachloride	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Chlorobenzene	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Chloroethane	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Chloroform (trichloromethane)	µg/L	7	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Chloromethane	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U+ U
cis-1,2-Dichloroethene	µg/L	5	780	1500	1800	160	500	660	590	670	1300	5800	680 F1	890	670
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Dibromochloromethane	µg/L	50	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Ethylbenzene	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11	NA	NA
m,p-xylene	µg/L	5	< 10	< 20	< 20	< 5	< 5	< 20	< 10	< 40	< 40	< 40	< 20	< 20	< 20 U
Methylene chloride	µg/L	5	14	190	110	< 2.5	1100 D	290	< 5	< 20	69	1600	100	< 10	< 10 U
o-Xylene	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Styrene	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Tetrachloroethene	µg/L	5	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
Toluene	µg/L	5	< 5	< 10	< 10	< 2.5	0.95 J	< 10	< 5	< 20	< 20	< 20	< 10	< 10	< 10 U
trans-1,2-Dichloroethene	µg/L	5	3.9 J	9 J	9.7 J	3.8	6.6	8.8 J	7.3	< 20	< 20	20	< 10	12	12
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 10	< 2.5	< 2.5	< 10	< 5	< 20	< 20	< 20	< 10 UF1	< 10	< 10 U
Trichloroethene	µg/L	5	39	37	32	6.1	700 D	46	12	22	42	84	5 J	42	7.7 J J
Vinyl chloride	µg/L	2	500	1200	1300	360	640 D	810	680	660	750	1800	410 F1	680	890
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA

Location Code			87-08(1)			
Sample Date			3/22/2022	3/22/2022	10/10/2022	10/24/2024
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	< 40 U	31	< 4 U	< 4 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
1,1,2-Trichloroethane	µg/L	1	< 40 U	< 20 U	< 4 U	< 4 U
1,1-Dichloroethane	µg/L	5	25 J J	24	2.5 J J	4.6
1,1-Dichloroethene	µg/L	5	12 J J	12 J J	< 4 U	2.4 J J
1,2-Dichloroethane	µg/L	0.6	< 40 U	< 20 U	< 4 U	< 4 U
1,2-Dichloropropane	µg/L	1	< 40 U	< 20 U	< 4 U	< 4 U
2-Butanone	µg/L	50	< 400 U	< 200 U	< 40 U	< 40 U
2-Hexanone	µg/L	50	< 200 U	< 100 U	< 20 U	< 20 U
4-Methyl-2-pentanone	µg/L		< 200 U	< 100 U	< 20 U	< 20 U
Acetone	µg/L	50	< 400 U	< 200 U	< 40 U	< 40 U
Benzene	µg/L	1	< 40 U	< 20 U	< 4 U	< 4 U
Bromodichloromethane	µg/L	50	< 40 U	< 20 U	< 4 U	< 4 U
Bromoform	µg/L	50	< 40 U	< 20 U	< 4 U	< 4 U
Bromomethane	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Carbondisulfide	µg/L	60	< 40 U	< 20 U	< 4 U	< 4 U
Carbontetrachloride	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Chlorobenzene	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Chloroethane	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Chloroform (trichloromethane)	µg/L	7	< 40 U	< 20 U	< 4 U	< 4 U
Chloromethane	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	µg/L	5	2800 J	2200 J	210	520
cis-1,3-Dichloropropene	µg/L	0.4	< 40 U	< 20 U	< 4 U	< 4 U
Dibromochloromethane	µg/L	50	< 40 U	< 20 U	< 4 U	< 4 U
Ethylbenzene	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Freon 113	µg/L		NA	NA	NA	NA
m,p-xylene	µg/L	5	< 80 U	< 40 U	< 8 U	< 8 U
Methylene chloride	µg/L	5	< 40 U	13 J J	< 4 U	7.1
o-Xylene	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Styrene	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Tetrachloroethene	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Toluene	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
trans-1,2-Dichloroethene	µg/L	5	< 40 U	< 20 U	< 4 U	< 4 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 40 U	< 20 U	< 4 U	< 4 U
Trichloroethene	µg/L	5	< 40 U	16 J J	< 4 U	< 4 U
Vinyl chloride	µg/L	2	950	950	150	190
Xylene (total)	µg/L		NA	NA	NA	NA

Location Code			87-09(1)							
Sample Date			5/22/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	12/12/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES										
1,1,1-Trichloroethane	µg/L	5	85	110	79	88	83	81	72	58
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	16	20	17	19	16	16	18	14
1,1-Dichloroethene	µg/L	5	1.5 J	2.1	1.4 J	1.3	1.2 J	1.1	1.4	1.2
1,2-Dichloroethane	µg/L	0.6	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
2-Butanone	µg/L	50	< 10	< 10	< 10	< 5	< 10	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 5	< 10	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 5	< 10	< 5	< 5	< 5
Acetone	µg/L	50	4.1 J	< 10	2.5 J	< 5	< 10	< 5	< 5	< 5
Benzene	µg/L	1	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Bromoform	µg/L	50	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Bromomethane	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 2	0.61 J	2.2	1.1 B	< 2	1.4	1.4	1.8
Carbontetrachloride	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Chloroethane	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Chloromethane	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	150	170	130	150	130	130	150	150
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
m,p-xylene	µg/L	5	< 4	< 4	< 4	< 2	< 4	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
o-Xylene	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Styrene	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Toluene	µg/L	5	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	1.4 J	2.1	1.6 J	1.7	1.3 J	1.4	1.7	1.7
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Trichloroethene	µg/L	5	1.7 J	2.2	2.1	2.1	2.1	1.6	3.2	1.8
Vinyl chloride	µg/L	2	190	210	200	190 D	170	150	200	170

Location Code			87-10(0)											
Sample Date			1/20/1994	1/11/1995	2/1/1996	10/16/1996	10/30/1997	10/29/1998	10/28/1999	10/26/2000	10/10/2001	10/3/2002	10/21/2003	10/11/2004	10/14/2005
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	10	15	25	8	3	16	12	< 25	< 1	13	2.8	14	9.8
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
1,1-Dichloroethane	µg/L	5	2	4	6	2	1	6	4	< 25	2	3	1	5.5	3.8
1,1-Dichloroethene	µg/L	5	< 0.5	0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	0.47
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
2-Butanone	µg/L	50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 130	< 10	< 10	< 5	< 25	< 5
2-Hexanone	µg/L	50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 5	< 25	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 5	< 25	< 5
Acetone	µg/L	50	< 50	< 10	< 10	< 10	10	< 10	< 10	< 130	< 10	< 10	< 5	< 25	< 5
Benzene	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 4	< 0.7	< 0.7	< 1	< 5	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 0.5	0.7	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	4	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 3	< 1	< 5	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	0.8	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 2	< 1	< 5	< 1
Chloroform (trichloromethane)	µg/L	7	0.8	2	< 0.5	5	3	2	2	< 25	3	3	4.3	2.5	2.7
Chloromethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
cis-1,2-Dichloroethene	µg/L	5	85	128	211	54	46	130	130	190	52	65	15	150	72
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 3	< 15	< 2
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Toluene	µg/L	5	< 0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
trans-1,2-Dichloroethene	µg/L	5	0.6	1	1	< 0.5	< 0.5	2	1	< 25	< 1	< 1	0.79	< 5	1.6
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 25	< 1	< 1	< 1	< 5	< 1
Trichloroethene	µg/L	5	9	12	5	2	1	6	3	< 25	4	16	2.8	6.2	3.5
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 10	< 1	< 1	< 1	< 5	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-10(0)										
Sample Date			10/24/2006	10/7/2007	10/22/2008	10/15/2009	10/10/2010	11/12/2012	10/30/2014	10/20/2016	10/31/2018	10/13/2020	10/5/2022	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES														
1,1,1-Trichloroethane	µg/L	5	6.3	14	44	18	17	4.7	1.4	0.68	0.44	< 1	< 1 U	10
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 1	< 1	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 1	< 1	< 1	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	1.6	3.3	5.5	2.8	2.8	7.3	3.3	1.8	1.3	0.42 J	1.6	2.5
1,1-Dichloroethene	µg/L	5	< 1	< 1	0.86	0.55	1.1	< 0.29	< 0.29	< 1	< 1	< 1	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 1	< 1	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 0.32	< 0.72	< 0.72	< 0.72	< 1	< 1	NA	< 1 U	< 1 U
2-Butanone	µg/L	50	< 5	< 5	< 5	< 1.3	< 1.3	< 1.3	< 1.3	< 5	< 5	< 10	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 1.2	< 1.2	< 1.2	< 1.2	< 5	< 5	< 5	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 0.91	< 2.1	< 2.1	< 2.1	< 5	< 5	< 5	< 5 U	< 5 U
Acetone	µg/L	50	< 5	< 5	< 5	< 1.3	< 3	< 3	< 3	< 5	< 5	< 10	< 10 U	< 10 U
Benzene	µg/L	1	< 1	< 1	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 1	< 1	< 1	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	0.47	< 0.39	< 0.39	< 0.39	< 1	< 1	< 1	< 1 U	0.53 J J
Bromoform	µg/L	50	< 1	< 1	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 1	< 1	< 1	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 1	< 0.28	< 0.69	< 0.69	< 0.69	< 1	< 1	< 1	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 0.19	< 0.19	< 0.19	0.54	0.27	< 1	< 1	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 1	< 1	< 1	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 0.32	< 0.75	< 0.75	< 0.75	< 1	< 1	< 1	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 1	< 1	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	1.3	3.6	1.7	6	1.9	2.3	2.1	1.8	1.1	2.7	0.69 J J	4.5
Chloromethane	µg/L	5	< 1	< 1	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 1	< 1	< 1	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	26	82	100	36	31	6.7	8.4	4.7	6	3.1	3.4	5.7
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 1	< 1	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 1	< 1	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 0.18	< 0.74	< 0.74	< 0.74	< 1	< 1	< 1	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
m,p-xylene	µg/L	5	< 3	< 2	< 2	< 0.66	< 0.66	< 0.66	< 0.66	< 2	< 2	< 2	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 0.44	< 0.44	< 0.44	< 0.44	< 1	< 1	< 1	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 1	< 1	< 0.36	< 0.76	< 0.76	< 0.76	< 1	< 1	< 1	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1	< 1	< 0.18	< 0.73	< 0.73	< 0.73	< 1	< 1	< 1	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 1	< 1	< 1 U	< 1 U
Toluene	µg/L	5	< 1	< 1	< 1	< 0.51	< 0.51	< 0.51	< 0.51	< 1	< 1	< 1	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	0.58	1.9	2.2	< 0.42	1.2	< 0.9	< 0.9	< 1	< 1	< 1	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 1	< 1	< 1	< 1 U	< 1 U
Trichloroethene	µg/L	5	4.5	4	8.4	4.6	3.2	2.2	1.6	1.2	1.1	0.65 J	1.2	0.72 J J
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 0.24	< 0.9	< 0.9	< 0.9	< 1	< 1	< 1	< 1 U	< 1 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA

Location Code			87-10(1)												
Sample Date			5/23/2017	12/10/2018	3/27/2019	8/18/2020	3/16/2021	10/4/2021	10/4/2021	3/21/2022	10/5/2022	3/15/2023	10/16/2023	3/24/2024	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	3.6 J	36	< 50	< 50	27	< 100 U	27	38	36	35	27	22	22
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
1,1,2-Trichloroethane	µg/L	1	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
1,1-Dichloroethane	µg/L	5	2.3 J	17	< 50	< 50	18 J	< 100 U	18 J J	24	20	19	16	15	14
1,1-Dichloroethene	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	6.9 J J	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
1,2-Dichloroethane	µg/L	0.6	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
1,2-Dichloropropane	µg/L	1	< 5	< 10	< 50	< 50	< 20	NA	NA	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Butanone	µg/L	50	< 25	< 50	< 500	< 500	< 200	< 1000 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 100 U	< 100 U
2-Hexanone	µg/L	50	< 25	< 50	< 250	< 250	< 100	< 500 U	< 100 U	< 100 U	< 100 U	< 50 U	< 50 U	< 50 U	< 50 U
4-Methyl-2-pentanone	µg/L		< 25	< 50	< 250	< 250	< 100	< 500 U	< 100 U	< 100 U	< 100 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	µg/L	50	6.5 J	< 50	< 500	< 500	< 200	< 1000 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U	< 100 U	< 100 U
Benzene	µg/L	1	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Bromodichloromethane	µg/L	50	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Bromoform	µg/L	50	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Bromomethane	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Carbondisulfide	µg/L	60	< 5	26	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Carbontetrachloride	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Chlorobenzene	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Chloroethane	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Chloroform (trichloromethane)	µg/L	7	1.4 J	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Chloromethane	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 UF1 U	< 10 U	< 10 U	< 10 U	< 10 U
cis-1,2-Dichloroethene	µg/L	5	130	1100	1900	5000	780	2500	2900	730	810	280	270	180	180
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Dibromochloromethane	µg/L	50	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Ethylbenzene	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Freon 113	µg/L		NA	NA	NA	NA	NA	< 100 U	39	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 10	< 20	< 100	< 100	< 40	< 200 U	< 40 U	< 40 U	< 40 U	< 20 U	< 20 U	< 20 U	< 20 U
Methylene chloride	µg/L	5	< 5	5.2 J	22 J	44 J	< 20	83 J J	23 J	20	< 20 U	8.2 J J	< 10 U	< 10 U	5.9 J J
o-Xylene	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Styrene	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Tetrachloroethene	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Toluene	µg/L	5	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
trans-1,2-Dichloroethene	µg/L	5	< 5	7.4 J	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 50	< 50	< 20	< 100 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Trichloroethene	µg/L	5	890	89	610	110	37	84 J J	82	90	75	59	13	12	5.7 J J
Vinyl chloride	µg/L	2	12	410	400	770	510	680	760	720	940	430	410	270	240

Location Code			87-11(1)				
Sample Date			11/16/2017	12/13/2018	3/28/2019	3/22/2022	10/12/2022
	Units	GPS	Result	Result	Result	Result	Result
VOLATILES							
1,1,1-Trichloroethane	µg/L	5	53	< 50	< 200	< 100 U	< 100 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
1,1,2-Trichloroethane	µg/L	1	< 50	< 50	< 200	< 100 U	< 100 U
1,1-Dichloroethane	µg/L	5	33 J	14 J	< 200	< 100 U	< 100 U
1,1-Dichloroethene	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
1,2-Dichloroethane	µg/L	0.6	< 50	< 50	< 200	< 100 U	< 100 U
1,2-Dichloropropane	µg/L	1	< 50	< 50	< 200	< 100 U	< 100 U
2-Butanone	µg/L	50	< 250	< 250	< 2000	< 1000 U	< 1000 U
2-Hexanone	µg/L	50	< 250	< 250	< 1000	< 500 U	< 500 U
4-Methyl-2-pentanone	µg/L		< 250	< 250	< 1000	< 500 U	< 500 U
Acetone	µg/L	50	< 250	< 250	< 2000	< 1000 U	< 1000 U
Benzene	µg/L	1	< 50	< 50	< 200	< 100 U	< 100 U
Bromodichloromethane	µg/L	50	< 50	< 50	< 200	< 100 U	< 100 U
Bromoform	µg/L	50	< 50	< 50	< 200	< 100 U	< 100 U
Bromomethane	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
Carbondisulfide	µg/L	60	< 50	81	< 200	19 J J	< 100 U
Carbontetrachloride	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
Chlorobenzene	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
Chloroethane	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
Chloroform (trichloromethane)	µg/L	7	18 J	< 50	< 200	< 100 U	< 100 U
Chloromethane	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
cis-1,2-Dichloroethene	µg/L	5	2500	120	160 J	370	270
cis-1,3-Dichloropropene	µg/L	0.4	< 50	< 50	< 200	< 100 U	< 100 U
Dibromochloromethane	µg/L	50	< 50	< 50	< 200	< 100 U	< 100 U
Ethylbenzene	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
m,p-xylene	µg/L	5	< 100	< 100	< 400	< 200 U	< 200 U
Methylene chloride	µg/L	5	11000 D	8000	12000 F1	4300	6400
o-Xylene	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
Styrene	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
Tetrachloroethene	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
Toluene	µg/L	5	< 50	< 50	< 200	< 100 U	< 100 U
trans-1,2-Dichloroethene	µg/L	5	< 50	14 J	< 200	< 100 U	< 100 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 50	< 50	< 200	< 100 U	< 100 U
Trichloroethene	µg/L	5	76	31 J	< 200	130	120
Vinyl chloride	µg/L	2	1500	250	280	480	520

Location Code			87-12(1)											
Sample Date			5/23/2017	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/26/2019	1/13/2020	5/21/2020	8/17/2020	3/16/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	30	32	29	15	28	31	16	30	< 50	< 50	< 50	62	< 80
1,1,2,2-Tetrachloroethane	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
1,1,2-Trichloroethane	µg/L	1	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
1,1-Dichloroethane	µg/L	5	19	29	24	14	25	27	13	27	33 J	36 J	39 J	71	36 J
1,1-Dichloroethene	µg/L	5	7.2 J	< 20	< 10	< 10	< 20	5.2 J	< 2	4	< 50	< 50	< 50	< 50	< 80
1,2-Dichloroethane	µg/L	0.6	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
1,2-Dichloropropane	µg/L	1	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
2-Butanone	µg/L	50	< 50	< 100	< 50	< 50	< 100	< 50	< 10	< 10	< 500	< 500	< 500	< 500	< 800
2-Hexanone	µg/L	50	< 50	< 100	< 50	< 50	< 100	< 50	< 10	< 10	< 250	< 250	< 250	< 250	< 400
4-Methyl-2-pentanone	µg/L		< 50	< 100	< 50	< 50	< 100	< 50	< 10	< 10	< 250	< 250	< 250	< 250	< 400
Acetone	µg/L	50	< 50	< 100	< 50	< 50	< 100	< 50	< 10	< 10	< 500	< 500	< 500	< 500	< 800
Benzene	µg/L	1	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Bromodichloromethane	µg/L	50	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Bromoform	µg/L	50	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Bromomethane	µg/L	5	< 10	6.2 J	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Carbondisulfide	µg/L	60	< 10	< 20	31	12	23	21	4.3	10	< 50	< 50	< 50	< 50	< 80
Carbontetrachloride	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Chlorobenzene	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Chloroethane	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Chloroform (trichloromethane)	µg/L	7	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Chloromethane	µg/L	5	< 10	5.2 J	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
cis-1,2-Dichloroethene	µg/L	5	2200 D	3000	970	700	1300	1200	54	1100 D	840	910	1400	4900	2700
cis-1,3-Dichloropropene	µg/L	0.4	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Dibromochloromethane	µg/L	50	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Ethylbenzene	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 20	< 40	< 20	< 20	< 40	< 20	< 4	0.46 J	< 100	< 100	< 100	< 100	< 160
Methylene chloride	µg/L	5	< 10	< 20	84	< 10	< 20	410	< 2	< 2	< 50	< 50	55	< 50	< 80
o-Xylene	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	0.4 J	< 50	< 50	< 50	< 50	< 80
Styrene	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Tetrachloroethene	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Toluene	µg/L	5	< 10	< 20	< 10	< 10	< 20	< 10	< 2	0.54 J	< 50	< 50	< 50	< 50	< 80
trans-1,2-Dichloroethene	µg/L	5	8.7 J	12 J	7.3 J	5.7 J	7.2 J	7.4 J	2.4	7.5	< 50	< 50	< 50	< 50	< 80
Trans-1,3-Dichloropropene	µg/L	0.4	< 10	< 20	< 10	< 10	< 20	< 10	< 2	< 2	< 50	< 50	< 50	< 50	< 80
Trichloroethene	µg/L	5	14	18 J	17	13	33	76	5.6	32	28 J	36 J	34 J	98	54 J
Vinyl chloride	µg/L	2	1700	2300	1400	1200	2200	1100	180	1500 D	1900	1500	1700	2600	2700

Location Code			87-12(1)		
Sample Date			10/5/2021	3/23/2022	10/4/2022
	Units	GPS	Result	Result	Result
VOLATILES					
1,1,1-Trichloroethane	µg/L	5	55	< 25 U	42
1,1,2,2-Tetrachloroethane	µg/L	5	< 50 U	< 25 U	< 25 U
1,1,2-Trichloroethane	µg/L	1	< 50 U	< 25 U	< 25 U
1,1-Dichloroethane	µg/L	5	57	35	71
1,1-Dichloroethene	µg/L	5	< 50 U	< 25 U	< 25 U
1,2-Dichloroethane	µg/L	0.6	< 50 U	< 25 U	< 25 U
1,2-Dichloropropane	µg/L	1	NA	< 25 U	< 25 U
2-Butanone	µg/L	50	< 500 U	< 250 U	< 250 U
2-Hexanone	µg/L	50	< 250 U	< 130 U	< 130 U
4-Methyl-2-pentanone	µg/L		< 250 U	< 130 U	< 130 U
Acetone	µg/L	50	< 500 U	< 250 U	< 250 U
Benzene	µg/L	1	< 50 U	< 25 U	< 25 U
Bromodichloromethane	µg/L	50	< 50 U	< 25 U	< 25 U
Bromoform	µg/L	50	< 50 U	< 25 U	< 25 U
Bromomethane	µg/L	5	< 50 U	< 25 U	< 25 U
Carbondisulfide	µg/L	60	< 50 U	< 25 U	< 25 U
Carbontetrachloride	µg/L	5	< 50 U	< 25 U	< 25 U
Chlorobenzene	µg/L	5	< 50 U	< 25 U	< 25 U
Chloroethane	µg/L	5	< 50 U	< 25 U	< 25 U
Chloroform (trichloromethane)	µg/L	7	< 50 U	< 25 U	< 25 U
Chloromethane	µg/L	5	< 50 U	< 25 U	< 25 U
cis-1,2-Dichloroethene	µg/L	5	4600	880	2500
cis-1,3-Dichloropropene	µg/L	0.4	< 50 U	< 25 U	< 25 U
Dibromochloromethane	µg/L	50	< 50 U	< 25 U	< 25 U
Ethylbenzene	µg/L	5	< 50 U	< 25 U	< 25 U
Freon 113	µg/L		170	NA	NA
m,p-xylene	µg/L	5	< 100 U	< 50 U	< 50 U
Methylene chloride	µg/L	5	22 J J	40	< 25 U
o-Xylene	µg/L	5	< 50 U	< 25 U	< 25 U
Styrene	µg/L	5	< 50 U	< 25 U	< 25 U
Tetrachloroethene	µg/L	5	< 50 U	< 25 U	< 25 U
Toluene	µg/L	5	< 50 U	< 25 U	< 25 U
trans-1,2-Dichloroethene	µg/L	5	< 50 U	< 25 U	< 25 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 50 U	< 25 U	< 25 U
Trichloroethene	µg/L	5	50	22 J J	40
Vinyl chloride	µg/L	2	2100	1100	3400

		Location Code	87-13(0)
		Sample Date	12/17/2024
	Units	GPS	Result
VOLATILES			
1,1,1-Trichloroethane	µg/L	5	< 2 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 2 U
1,1,2-Trichloroethane	µg/L	1	< 2 U
1,1-Dichloroethane	µg/L	5	< 2 U
1,1-Dichloroethene	µg/L	5	< 2 U
1,2-Dichloroethane	µg/L	0.6	< 2 U
2-Butanone	µg/L	50	8.6 J J
2-Hexanone	µg/L	50	< 10 U
4-Methyl-2-pentanone	µg/L		< 10 U
Acetone	µg/L	50	< 20 U
Benzene	µg/L	1	< 2 U
Bromodichloromethane	µg/L	50	< 2 U
Bromoform	µg/L	50	< 2 U
Bromomethane	µg/L	5	< 2 U
Carbondisulfide	µg/L	60	< 2 U
Carbontetrachloride	µg/L	5	< 2 U
Chlorobenzene	µg/L	5	< 2 U
Chloroethane	µg/L	5	< 2 U
Chloroform (trichloromethane)	µg/L	7	< 2 U
Chloromethane	µg/L	5	< 2 U
cis-1,2-Dichloroethene	µg/L	5	< 2 U
cis-1,3-Dichloropropene	µg/L	0.4	< 2 U
Dibromochloromethane	µg/L	50	< 2 U
Ethylbenzene	µg/L	5	< 2 U
Freon 113	µg/L		< 2 U
m,p-xylene	µg/L	5	< 4 U
Methylene chloride	µg/L	5	< 2 U
o-Xylene	µg/L	5	< 2 U
Styrene	µg/L	5	< 2 U
Tetrachloroethene	µg/L	5	< 2 U
Toluene	µg/L	5	< 2 U
trans-1,2-Dichloroethene	µg/L	5	< 2 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 2 U
Trichloroethene	µg/L	5	< 2 U
Vinyl chloride	µg/L	2	< 2 U
Xylene (total)	µg/L		< 4 U

Location Code			87-13(1)											
Sample Date			5/22/2017	11/14/2017	1/23/2018	1/24/2018	2/27/2018	2/28/2018	3/20/2018	3/21/2018	6/20/2018	9/20/2018	12/12/2018	3/27/2019	1/17/2020
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	1100	1100	3300	3300	1600	1600 D	2000	2000	1700	< 1000	2000	< 8000	< 8000
1,1,2,2-Tetrachloroethane	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
1,1,2-Trichloroethane	µg/L	1	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
1,1-Dichloroethane	µg/L	5	320 J	130 J	280	280	360	360 J	520	520 J	570 J	< 1000	1100	< 8000	< 8000
1,1-Dichloroethene	µg/L	5	< 500	120 J	210	210	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	530 J	< 8000	< 8000
1,2-Dichloroethane	µg/L	0.6	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
1,2-Dichloropropane	µg/L	1	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
2-Butanone	µg/L	50	< 2500	< 1000	< 1000	< 1000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 80000	< 80000
2-Hexanone	µg/L	50	< 2500	< 1000	< 1000	< 1000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 40000	< 40000
4-Methyl-2-pentanone	µg/L		< 2500	< 1000	< 1000	< 1000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 40000	< 40000
Acetone	µg/L	50	< 2500	< 1000	< 1000	< 1000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 80000	< 80000
Benzene	µg/L	1	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Bromodichloromethane	µg/L	50	230	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Bromoform	µg/L	50	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Bromomethane	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Carbondisulfide	µg/L	60	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	1100	< 8000	< 8000
Carbontetrachloride	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Chlorobenzene	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Chloroethane	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Chloroform (trichloromethane)	µg/L	7	1200	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Chloromethane	µg/L	5	< 500	46 J	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
cis-1,2-Dichloroethene	µg/L	5	80000	19000	36000	36000	38000	38000 D	42000	42000	44000	91000	110000	160000	170000
cis-1,3-Dichloropropene	µg/L	0.4	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Dibromochloromethane	µg/L	50	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Ethylbenzene	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
m,p-xylene	µg/L	5	< 1000	< 400	< 400	< 400	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 16000	< 16000
Methylene chloride	µg/L	5	94000 D	3500	17000	17000	87000	87000 D	120000	120000	490000 D	1000000	560000 D	600000	780000
o-Xylene	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Styrene	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Tetrachloroethene	µg/L	5	< 500	< 200	310	310	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Toluene	µg/L	5	< 500	< 200	160	160 J	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
trans-1,2-Dichloroethene	µg/L	5	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	330 J	< 8000	< 8000
Trans-1,3-Dichloropropene	µg/L	0.4	< 500	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 8000	< 8000
Trichloroethene	µg/L	5	40000	17000	120000	120000 D	65000	65000 D	84000	84000	88000	170000	140000	200000	210000
Vinyl chloride	µg/L	2	3000	1300	1600	1600	2200	2200 D	2400	2400	1400	< 1000	2500	< 8000	< 8000

Location Code			87-13(1)									
Sample Date			5/26/2020	8/21/2020	3/22/2021	10/13/2021	3/23/2022	10/13/2022	3/17/2023	10/19/2023	3/28/2024	10/25/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES												
1,1,1-Trichloroethane	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
1,1,2-Trichloroethane	µg/L	1	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
1,1-Dichloroethane	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	310	390	100 J J	150 J J	< 100 U	53 J J
1,1-Dichloroethene	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	63 J J	74 J J	< 100 U	58 J J
1,2-Dichloroethane	µg/L	0.6	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
1,2-Dichloropropane	µg/L	1	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
2-Butanone	µg/L	50	< 80000	< 50000	< 80000	< 40000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 1000 U	< 1000 U
2-Hexanone	µg/L	50	< 40000	< 25000	< 40000	< 20000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 500 U
4-Methyl-2-pentanone	µg/L		< 40000	< 25000	< 40000	< 20000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 500 U
Acetone	µg/L	50	< 80000	< 50000	< 80000 U+	< 40000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 1000 U	< 1000 U
Benzene	µg/L	1	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Bromodichloromethane	µg/L	50	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Bromoform	µg/L	50	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Bromomethane	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Carbondisulfide	µg/L	60	< 8000	< 5000	< 8000	1100 J J	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Carbontetrachloride	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Chlorobenzene	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Chloroethane	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	110 J J	< 200 U	< 200 U	< 200 U	58 J J	59 J J
Chloroform (trichloromethane)	µg/L	7	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Chloromethane	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	100 J J	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
cis-1,2-Dichloroethene	µg/L	5	180000	170000	250000	160000	510	1200	420	470	190	290
cis-1,3-Dichloropropene	µg/L	0.4	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Dibromochloromethane	µg/L	50	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Ethylbenzene	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
m,p-xylene	µg/L	5	< 16000	< 10000	< 16000	< 8000 U	< 400 U	< 400 U	< 400 U	< 400 U	< 200 U	< 200 U
Methylene chloride	µg/L	5	630000	760000	570000	200000	8500	26000	9200	8700	3300	8300
o-Xylene	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Styrene	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Tetrachloroethene	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Toluene	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
trans-1,2-Dichloroethene	µg/L	5	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 8000	< 5000	< 8000	< 4000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
Trichloroethene	µg/L	5	220000	240000	350000	170000	210	5500	1000	1500	170	270
Vinyl chloride	µg/L	2	< 8000	< 5000	< 8000	7200	< 200 U	310	< 200 U	< 200 U	< 100 U	< 100 U

Location Code			87-13(3)											
Sample Date			7/21/1993	1/24/1994	4/1/1994	7/21/1994	10/25/1994	1/12/1995	4/20/1995	7/12/1995	10/19/1995	2/2/1996	4/17/1996	7/17/1996	10/18/1996
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	1	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 5	< 1	< 5	< 0.5
1,1,2-Trichloroethane	µg/L	1	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
1,1-Dichloroethane	µg/L	5	< 5	< 0.5	1	1	1	2	< 5	1	< 10	< 3	1	< 3	< 0.5
1,1-Dichloroethene	µg/L	5	< 5	0.6	1	< 1	0.7	1	< 5	1	< 10	< 3	1	< 3	0.6
1,2-Dichloroethane	µg/L	0.6	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
1,2-Dichloropropane	µg/L	1	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
2-Butanone	µg/L	50	< 50	< 50	< 10	< 10	< 10	< 10	< 50	< 10	< 100	< 50	< 10	< 50	< 10
2-Hexanone	µg/L	50	< 50	< 50	< 10	< 10	< 10	< 10	< 50	< 10	< 100	< 50	< 10	< 50	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 10	< 10	< 10	< 10	< 50	< 10	< 100	< 50	< 10	< 50	< 10
Acetone	µg/L	50	< 50	< 50	< 10	< 10	14	< 10	< 50	10	< 100	< 50	< 10	< 50	< 0.5
Benzene	µg/L	1	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Bromodichloromethane	µg/L	50	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Bromoform	µg/L	50	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Bromomethane	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Carbondisulfide	µg/L	60	26	23	31	47	41	41	< 5	44	70	40	38	34	124
Carbontetrachloride	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Chlorobenzene	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Chloroethane	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Chloroform (trichloromethane)	µg/L	7	< 5	< 0.5	< 0.5	< 1	1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	0.5
Chloromethane	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
cis-1,2-Dichloroethene	µg/L	5	104	50	153	179	175	224	130	171	390	92	85	106	71
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Dibromochloromethane	µg/L	50	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Ethylbenzene	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Methylene chloride	µg/L	5	< 5	< 0.5	1	< 1	0.7	2	< 5	2	< 10	3	1	< 3	1
o-Xylene	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Styrene	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Tetrachloroethene	µg/L	5	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Toluene	µg/L	5	< 5	0.6	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
trans-1,2-Dichloroethene	µg/L	5	< 5	< 0.5	1	< 1	0.9	0.8	< 5	1	< 10	< 3	1	< 3	0.6
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 5	< 1	< 10	< 3	< 0.5	< 3	< 0.5
Trichloroethene	µg/L	5	134	193	287	282	309	129	192	195	270	228	210	213	190
Vinyl chloride	µg/L	2	9	24	22	21	25	26	23	32	62	12	10	12	9
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-13(3)												
Sample Date			1/15/1997	4/30/1997	7/23/1997	10/31/1997	4/23/1998	10/30/1998	10/29/1999	10/25/2000	10/10/2001	10/4/2002	10/22/2003	10/11/2004	10/14/2005
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	1	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
1,1-Dichloroethane	µg/L	5	0.6	0.7	< 2	< 5	< 1	< 5	< 1	< 1	2	14	< 100	< 50	31
1,1-Dichloroethene	µg/L	5	0.5	0.9	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
2-Butanone	µg/L	50	< 10	< 10	< 50	< 25	< 10	< 25	< 10	< 10	< 10	< 50	< 500	< 250	< 25
2-Hexanone	µg/L	50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 500	< 250	< 25
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 500	< 250	< 25
Acetone	µg/L	50	< 10	< 10	< 50	< 25	11	< 25	< 10	< 10	< 10	< 50	< 500	< 250	< 25
Benzene	µg/L	1	< 0.5	< 0.5	< 2	< 5	< 0.7	< 5	< 0.7	< 0.7	< 0.7	< 4	< 100	< 250	< 5
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Bromoform	µg/L	50	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Bromomethane	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Carbondisulfide	µg/L	60	40	44	42	62	38	35	32	41	240	130	61	50	< 5
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	14	< 15	< 100	< 50	< 5
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Chloroethane	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 10	< 100	< 50	< 5
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Chloromethane	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
cis-1,2-Dichloroethene	µg/L	5	80	110	87	140	67	62	75	60	81	830	2500	1400	2400
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 300	< 150	< 10
Methylene chloride	µg/L	5	1	0.8	22	< 5	< 2	< 5	< 1	< 1	6	44	54	46	13
o-Xylene	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Styrene	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Toluene	µg/L	5	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	7.2
trans-1,2-Dichloroethene	µg/L	5	< 0.5	0.6	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 2	< 5	< 1	< 5	< 1	< 1	< 1	< 5	< 100	< 50	< 5
Trichloroethene	µg/L	5	190	220	170	130	150	92	110	120	83	270	75	18	4.6
Vinyl chloride	µg/L	2	10	18	10	32	15	19	36	28	32	120	180	220	250
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-13(3)											
Sample Date			10/24/2006	10/7/2007	10/22/2008	10/15/2009	10/10/2010	11/12/2012	10/30/2014	5/18/2015	6/25/2015	10/22/2015	4/28/2016	10/20/2016	10/31/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 2	< 2	< 1	< 0.26	< 16	190	< 33	< 200	< 200	< 500	< 500	< 500	< 500
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 2	< 1	< 0.21	< 4.3	< 4.2	< 8.4	< 200	< 200	< 500	< 500	< 500	< 500
1,1,2-Trichloroethane	µg/L	1	< 2	< 2	< 1	< 0.23	< 4.6	< 4.6	< 9.2	< 200	< 200	< 500	< 500	< 500	< 500
1,1-Dichloroethane	µg/L	5	2.4	4.1	11	2.3	< 7.7	29	< 15	< 200	< 200	< 500	< 500	< 500	< 500
1,1-Dichloroethene	µg/L	5	< 2	1	0.67	0.87	< 5.9	< 5.8	< 12	< 200	< 200	< 500	< 500	< 500	< 500
1,2-Dichloroethane	µg/L	0.6	< 2	< 2	< 1	< 0.21	< 4.3	< 4.2	< 8.4	< 200	< 200	< 500	< 500	< 500	< 500
1,2-Dichloropropane	µg/L	1	< 2	< 2	< 1	< 0.32	< 14	< 14	< 29	< 200	< 200	< 500	< 500	< 500	< 500
2-Butanone	µg/L	50	< 10	< 10	< 5	< 1.3	< 26	< 26	< 53	< 1000	< 1000	< 2500	< 2500	< 2500	< 2500
2-Hexanone	µg/L	50	< 10	< 10	< 5	< 1.2	< 25	< 25	< 50	< 1000	< 1000	< 2500	< 2500	< 2500	< 2500
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 5	< 0.91	< 42	< 42	< 84	< 1000	< 1000	< 2500	< 2500	< 2500	< 2500
Acetone	µg/L	50	< 10	< 10	< 5	< 1.3	< 60	< 60	< 120	< 1000	< 1000	< 2500	< 2500	< 2500	< 2500
Benzene	µg/L	1	< 2	< 2	< 1	< 0.41	< 8.2	< 8.2	< 16	< 200	< 200	< 500	< 500	< 500	< 500
Bromodichloromethane	µg/L	50	< 2	< 2	< 1	< 0.39	< 7.7	< 7.8	< 16	86	94	< 500	280	210	< 500
Bromoform	µg/L	50	< 2	< 2	< 1	< 0.26	< 5.1	< 5.2	< 10	< 200	< 200	< 500	< 500	< 500	< 500
Bromomethane	µg/L	5	< 2	< 2	< 1	< 0.28	< 14	< 14	< 28	< 200	< 200	< 500	< 500	< 500	< 500
Carbondisulfide	µg/L	60	14	45	21	37	35	32	93	440	470	870	470	710	340
Carbontetrachloride	µg/L	5	< 2	< 2	< 1	< 0.27	< 5.3	< 5.4	< 11	< 200	< 200	< 500	< 500	< 500	< 500
Chlorobenzene	µg/L	5	< 2	< 2	< 1	< 0.32	< 15	< 15	< 30	< 200	< 200	< 500	< 500	< 500	< 500
Chloroethane	µg/L	5	< 2	< 2	< 1	< 0.32	< 6.5	< 6.4	< 13	< 200	< 200	< 500	< 500	< 500	< 500
Chloroform (trichloromethane)	µg/L	7	< 2	< 2	< 1	< 0.34	< 6.7	< 6.8	< 14	490	520	< 500	1200	810	480
Chloromethane	µg/L	5	< 2	< 2	< 1	< 0.35	< 6.9	< 7	< 14	< 200	< 200	< 500	< 500	< 500	< 500
cis-1,2-Dichloroethene	µg/L	5	140	330	870	270	1500	1700	7400	46000	50000	68000	49000	57000	46000
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 2	< 1	< 0.36	< 7.1	< 7.2	< 14	< 200	< 200	< 500	< 500	< 500	< 500
Dibromochloromethane	µg/L	50	< 2	< 2	< 1	< 0.32	< 6.4	< 6.4	< 13	< 200	< 200	< 500	< 500	< 500	< 500
Ethylbenzene	µg/L	5	< 2	< 2	< 1	< 0.18	< 15	< 15	< 30	< 200	< 200	< 500	< 500	< 500	< 500
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 4	< 6	< 2	< 0.66	< 13	< 13	< 26	< 400	< 400	< 1500	< 1500	< 1000	< 1000
Methylene chloride	µg/L	5	10	46	390	5.6	< 8.8	11	< 18	< 200	< 200	< 500	< 500	< 500	280
o-Xylene	µg/L	5	< 2	< 2	< 1	< 0.36	< 15	< 15	< 30	< 200	< 200	< 500	< 500	< 500	< 500
Styrene	µg/L	5	< 2	< 2	< 1	< 0.18	< 15	< 15	< 29	< 200	< 200	< 500	< 500	< 500	< 500
Tetrachloroethene	µg/L	5	< 2	< 2	< 1	< 0.36	< 7.3	< 7.2	< 14	< 200	< 200	< 500	< 500	< 500	< 500
Toluene	µg/L	5	< 2	< 2	3.9	< 0.51	< 10	< 10	< 20	48	54	< 500	< 500	< 500	< 500
trans-1,2-Dichloroethene	µg/L	5	< 2	< 2	0.89	1.3	< 18	< 18	< 36	320	310	500	400	390	510
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 2	< 1	< 0.37	< 7.4	< 7.4	< 15	< 200	< 200	< 500	< 500	< 500	< 500
Trichloroethene	µg/L	5	12	36	2.8	49	54	24	2100	79000	71000	97000	75000	72000	620
Vinyl chloride	µg/L	2	25	86	160	96	150	400	52	750	990	940	490	610	2800
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-13(3)		
Sample Date			10/15/2020	10/12/2022	10/25/2024
	Units	GPS	Result	Result	Result
VOLATILES					
1,1,1-Trichloroethane	µg/L	5	< 1	< 80 U	< 200 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 80 U	< 200 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 80 U	< 200 U
1,1-Dichloroethane	µg/L	5	2.5	< 80 U	< 200 U
1,1-Dichloroethene	µg/L	5	62	< 80 U	< 200 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 80 U	< 200 U
1,2-Dichloropropane	µg/L	1	NA	< 80 U	< 200 U
2-Butanone	µg/L	50	< 10	< 800 U	< 2000 U
2-Hexanone	µg/L	50	< 5	< 400 U	< 1000 U
4-Methyl-2-pentanone	µg/L		< 5	< 400 U	< 1000 U
Acetone	µg/L	50	< 10	< 800 U	< 2000 U
Benzene	µg/L	1	< 1	< 80 U	< 200 U
Bromodichloromethane	µg/L	50	< 1	< 80 U	< 200 U
Bromoform	µg/L	50	< 1	< 80 U	< 200 U
Bromomethane	µg/L	5	< 1	< 80 U	< 200 U
Carbondisulfide	µg/L	60	0.78 J	< 80 U	< 200 U
Carbontetrachloride	µg/L	5	< 1	< 80 U	< 200 U
Chlorobenzene	µg/L	5	< 1	< 80 U	< 200 U
Chloroethane	µg/L	5	< 1	< 80 U	< 200 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 80 U	< 200 U
Chloromethane	µg/L	5	< 1	< 80 U	< 200 U
cis-1,2-Dichloroethene	µg/L	5	28000	3400	9600
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 80 U	< 200 U
Dibromochloromethane	µg/L	50	< 1	< 80 U	< 200 U
Ethylbenzene	µg/L	5	1.9	< 80 U	< 200 U
Freon 113	µg/L		1.1	NA	NA
m,p-xylene	µg/L	5	4.4	< 160 U	< 400 U
Methylene chloride	µg/L	5	< 1	< 80 U	150 J J
o-Xylene	µg/L	5	2.6	< 80 U	< 200 U
Styrene	µg/L	5	< 1	< 80 U	< 200 U
Tetrachloroethene	µg/L	5	< 1	< 80 U	< 200 U
Toluene	µg/L	5	12	< 80 U	< 200 U
trans-1,2-Dichloroethene	µg/L	5	240 E	< 80 U	< 200 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 80 U	< 200 U
Trichloroethene	µg/L	5	2.4	< 80 U	< 200 U
Vinyl chloride	µg/L	2	3500	3800	4300
Xylene (total)	µg/L		7	NA	NA

Location Code			87-14(0)												
Sample Date			1/12/1995	2/2/1996	10/18/1996	10/31/1997	10/29/1998	10/25/2000	10/3/2002	10/11/2004	10/24/2006	10/22/2008	10/10/2010	10/11/2011	11/12/2012
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	2	< 0.5	1	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.82	< 4.1	< 1.6
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 1	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.21	< 1.1	< 0.42
1,1,2-Trichloroethane	µg/L	1	3	2	2	2	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.23	< 1.2	< 0.46
1,1-Dichloroethane	µg/L	5	4	2	2	1	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.38	< 1.9	< 0.76
1,1-Dichloroethene	µg/L	5	95	44	36	23	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.29	< 1.5	< 0.58
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.21	< 1.1	< 0.42
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.72	< 3.6	< 1.4
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10	< 13000	< 2500	< 1000	< 250	< 5	< 5	< 1.3	< 6.6	< 2.6
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 5000	< 1000	< 1000	< 250	< 5	< 5	< 1.2	< 6.2	< 2.5
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 5000	< 1000	< 1000	< 250	< 5	< 5	< 2.1	< 11	< 4.2
Acetone	µg/L	50	< 10	< 10	< 10	< 10	< 13000	< 2500	< 1000	< 250	< 5	2.8	< 3	< 15	< 6
Benzene	µg/L	1	30	15	12	6	< 2500	< 70	< 70	< 250	< 1	< 1	< 0.41	< 2.1	< 0.82
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.39	< 2	< 0.78
Bromoform	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.26	< 1.3	< 0.52
Bromomethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.69	< 3.5	< 1.4
Carbondisulfide	µg/L	60	2	< 0.5	96	2	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.19	< 0.95	< 0.38
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	2	< 0.5	< 2500	< 500	< 300	< 50	< 1	< 1	< 0.27	< 1.4	< 0.54
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.75	< 3.8	< 1.5
Chloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 200	< 50	< 1	< 1	< 0.32	< 1.6	< 0.64
Chloroform (trichloromethane)	µg/L	7	< 0.5	163	160	85	< 2500	< 500	110	< 50	6.1	4.4	2.8	< 1.7	< 0.68
Chloromethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.35	< 1.8	< 0.7
cis-1,2-Dichloroethene	µg/L	5	< 0.5	9200	7150	3800	4800	1500	4500	39	28	23	6.2	< 4.1	< 1.6
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.36	< 1.8	< 0.72
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.32	< 1.6	< 0.64
Ethylbenzene	µg/L	5	< 0.5	0.8	0.6	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.74	< 3.7	< 1.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	2	1	0.7	< 2500	< 500	< 100	< 150	< 2	< 2	< 0.66	< 3.3	< 1.3
Methylene chloride	µg/L	5	14	820	< 0.5	< 0.5	< 2500	< 500	< 100	26	< 1	< 1	< 0.44	< 2.2	< 0.88
o-Xylene	µg/L	5	< 0.5	0.8	0.9	0.7	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.76	< 3.8	< 1.5
Styrene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.73	< 3.7	< 1.5
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.36	< 1.8	< 0.72
Toluene	µg/L	5	7	3	2	1	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.51	< 2.6	< 1
trans-1,2-Dichloroethene	µg/L	5	210	45	64	29	< 2500	< 500	< 100	< 50	2.8	1.1	< 0.9	< 4.5	< 1.8
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 2500	< 500	< 100	< 50	< 1	< 1	< 0.37	< 1.9	< 0.74
Trichloroethene	µg/L	5	< 0.5	18000	13200	9500	17000	8300	29000	1200	1400	970	730	190	140
Vinyl chloride	µg/L	2	7	6	4	2	< 2500	< 200	< 100	< 50	< 1	< 1	< 0.9	< 4.5	< 1.8
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-14(0)											
Sample Date			10/13/2013	10/30/2014	10/22/2015	10/20/2016	11/16/2017	10/31/2018	9/25/2019	10/15/2020	10/12/2021	10/10/2022	10/19/2023	10/19/2023	10/25/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 1.6	< 1.6	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.42	< 0.42	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	µg/L	1	< 0.46	< 0.46	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane	µg/L	5	< 0.76	< 0.76	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethene	µg/L	5	< 0.58	< 0.58	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethane	µg/L	0.6	< 0.42	< 0.42	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	µg/L	1	< 1.4	< 1.4	< 1	< 1	< 1	< 1	NA	NA	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
2-Butanone	µg/L	50	< 2.6	< 2.6	< 5	< 5	< 5	< 5	< 20	< 20	< 20 U	< 20 U	< 20 U+ U	< 20 U	< 20 U
2-Hexanone	µg/L	50	< 2.5	< 2.5	< 5	< 5	< 5	< 5	< 10	< 10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Methyl-2-pentanone	µg/L		< 4.2	< 4.2	< 5	< 5	< 5	< 5	< 10	< 10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	µg/L	50	< 6	< 6	2	1.9	< 5	2.5	< 20	< 20	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	µg/L	1	< 0.82	< 0.82	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane	µg/L	50	< 0.78	< 0.78	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromoform	µg/L	50	< 0.52	< 0.52	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Bromomethane	µg/L	5	< 1.4	< 1.4	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbondisulfide	µg/L	60	< 0.38	< 0.38	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Carbontetrachloride	µg/L	5	< 0.54	< 0.54	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	µg/L	5	< 1.5	< 1.5	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroethane	µg/L	5	< 0.64	< 0.64	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloroform (trichloromethane)	µg/L	7	< 0.68	0.68	0.54	0.53	< 1	0.46	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Chloromethane	µg/L	5	< 0.7	< 0.7	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	µg/L	5	< 1.6	< 1.6	1.6	0.91	< 1	0.57	< 2	1.7 J	4.4	< 2 U	< 2 U	< 2 U	8.1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.72	< 0.72	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane	µg/L	50	< 0.64	< 0.64	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Ethylbenzene	µg/L	5	< 1.5	< 1.5	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 1.3	< 1.3	< 2	< 2	< 2	< 2	< 4	< 4	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Methylene chloride	µg/L	5	< 0.88	< 0.88	< 1	< 1	< 1	< 1	< 2	< 2	2.1	< 2 U	< 2 U	< 2 U	1.8 J J
o-Xylene	µg/L	5	< 1.5	< 1.5	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Styrene	µg/L	5	< 1.5	< 1.5	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	µg/L	5	< 0.72	< 0.72	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U+ U	< 2 U	< 2 U
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	0.21	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	µg/L	5	< 1.8	< 1.8	0.34	0.34	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.74	< 0.74	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Trichloroethene	µg/L	5	46	140	160	120	62	97	110	45	74	97	110	100	100
Vinyl chloride	µg/L	2	< 1.8	< 1.8	< 1	< 1	< 1	< 1	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	< 4	< 4	NA	NA	NA	NA	NA

Location Code			87-14(1)							
Sample Date			5/22/2017	12/13/2018	3/22/2022	10/10/2022	3/21/2023	10/19/2023	3/25/2024	10/25/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES										
1,1,1-Trichloroethane	µg/L	5	390	410	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
1,1,2-Trichloroethane	µg/L	1	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
1,1-Dichloroethane	µg/L	5	170 J	350	< 800 U	< 800 U	280	510	310 J J	920
1,1-Dichloroethene	µg/L	5	< 250	200 J	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
1,2-Dichloroethane	µg/L	0.6	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
1,2-Dichloropropane	µg/L	1	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
2-Butanone	µg/L	50	< 1300	< 1000	< 8000 U	1300 J J	< 2000 U	570 J J	< 4000 U	< 4000 U
2-Hexanone	µg/L	50	< 1300	< 1000	< 4000 U	< 4000 U	< 1000 U	< 1000 U	< 2000 U	< 2000 U
4-Methyl-2-pentanone	µg/L		< 1300	< 1000	< 4000 U	< 4000 U	< 1000 U	< 1000 U	< 2000 U	< 2000 U
Acetone	µg/L	50	320 J	< 1000	< 8000 U	< 8000 U	< 2000 U	< 2000 U	< 4000 U	< 4000 U
Benzene	µg/L	1	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Bromodichloromethane	µg/L	50	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Bromoform	µg/L	50	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Bromomethane	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Carbondisulfide	µg/L	60	< 250	140 J	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	190 J J
Carbontetrachloride	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Chlorobenzene	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Chloroethane	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Chloroform (trichloromethane)	µg/L	7	450	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Chloromethane	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
cis-1,2-Dichloroethene	µg/L	5	16000	30000	1400	4300	4500	10000	3900	< 400 U
cis-1,3-Dichloropropene	µg/L	0.4	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Dibromochloromethane	µg/L	50	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Ethylbenzene	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
m,p-xylene	µg/L	5	< 500	< 400	< 1600 U	< 1600 U	< 400 U	< 400 U	< 800 U	< 800 U
Methylene chloride	µg/L	5	22000	54000 D	3900	2200	4700	2100	1100	310 J J
o-Xylene	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Styrene	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Tetrachloroethene	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Toluene	µg/L	5	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
trans-1,2-Dichloroethene	µg/L	5	< 250	98 J	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 250	< 200	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Trichloroethene	µg/L	5	32000	56000 D	< 800 U	< 800 U	< 200 U	< 200 U	< 400 U	< 400 U
Vinyl chloride	µg/L	2	2900	8200	33000	34000	15000	21000	12000	820

		Location Code	87-15(0)
		Sample Date	12/17/2024
	Units	GPS	Result
VOLATILES			
1,1,1-Trichloroethane	µg/L	5	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1 U
1,1-Dichloroethane	µg/L	5	< 1 U
1,1-Dichloroethene	µg/L	5	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1 U
2-Butanone	µg/L	50	< 10 U
2-Hexanone	µg/L	50	< 5 U
4-Methyl-2-pentanone	µg/L		< 5 U
Acetone	µg/L	50	< 10 U
Benzene	µg/L	1	< 1 U
Bromodichloromethane	µg/L	50	< 1 U
Bromoform	µg/L	50	< 1 U
Bromomethane	µg/L	5	< 1 U
Carbondisulfide	µg/L	60	< 1 U
Carbontetrachloride	µg/L	5	< 1 U
Chlorobenzene	µg/L	5	< 1 U
Chloroethane	µg/L	5	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1 U
Chloromethane	µg/L	5	< 1 U
cis-1,2-Dichloroethene	µg/L	5	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 1 U
Dibromochloromethane	µg/L	50	< 1 U
Ethylbenzene	µg/L	5	< 1 U
Freon 113	µg/L		< 1 U
m,p-xylene	µg/L	5	< 2 U
Methylene chloride	µg/L	5	< 1 U
o-Xylene	µg/L	5	< 1 U
Styrene	µg/L	5	< 1 U
Tetrachloroethene	µg/L	5	< 1 U
Toluene	µg/L	5	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1 U
Trichloroethene	µg/L	5	1.4
Vinyl chloride	µg/L	2	< 1 U
Xylene (total)	µg/L		< 2 U

Location Code			87-15(1)				
Sample Date			5/22/2017	12/12/2018	3/22/2022	10/6/2022	10/6/2022
	Units	GPS	Result	Result	Result	Result	Result
VOLATILES							
1,1,1-Trichloroethane	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
1,1,2-Trichloroethane	µg/L	1	< 5	< 10	< 20 U	< 1 U	< 20 UJ
1,1-Dichloroethane	µg/L	5	3.9 J	12	22	15	16 J J
1,1-Dichloroethene	µg/L	5	< 5	5.5 J	< 20 U	< 1 U	< 20 UJ
1,2-Dichloroethane	µg/L	0.6	< 5	< 10	< 20 U	< 1 U	< 20 UJ
1,2-Dichloropropane	µg/L	1	< 5	< 10	< 20 U	< 1 U	< 20 UJ
2-Butanone	µg/L	50	< 25	250	400	670	800 J
2-Hexanone	µg/L	50	< 25	6.7 J	< 100 UF2 U	6.8	< 100 UJ
4-Methyl-2-pentanone	µg/L		< 25	< 50	< 100 U	< 5 U	< 100 UJ
Acetone	µg/L	50	< 25	89	130 J J	260	290 J
Benzene	µg/L	1	< 5	< 10	< 20 U	1.9	< 20 UJ
Bromodichloromethane	µg/L	50	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Bromoform	µg/L	50	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Bromomethane	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Carbondisulfide	µg/L	60	6.5	44	< 20 U	< 1 U	< 20 UJ
Carbontetrachloride	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Chlorobenzene	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Chloroethane	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Chloroform (trichloromethane)	µg/L	7	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Chloromethane	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
cis-1,2-Dichloroethene	µg/L	5	390	1200	< 20 U	2.1	< 20 UJ
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Dibromochloromethane	µg/L	50	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Ethylbenzene	µg/L	5	< 5	< 10	< 20 U	1.2	< 20 UJ
m,p-xylene	µg/L	5	< 10	< 20	< 40 U	1.6 J J	< 40 UJ
Methylene chloride	µg/L	5	4300 D	1400	64	5.2 J	13 J J
o-Xylene	µg/L	5	< 5	< 10	< 20 U	1.7	< 20 UJ
Styrene	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Tetrachloroethene	µg/L	5	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Toluene	µg/L	5	< 5	< 10	< 20 U	1.4	< 20 UJ
trans-1,2-Dichloroethene	µg/L	5	2 J	13	24	17	19 J J
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 20 U	< 1 U	< 20 UJ
Trichloroethene	µg/L	5	10	17	< 20 U	0.61 J J	< 20 UJ
Vinyl chloride	µg/L	2	180	370	21	5.4	< 20 UJ

Location Code			87-16(1)										
Sample Date			1/16/2020	5/28/2020	8/20/2020	3/17/2021	10/12/2021	3/21/2022	10/6/2022	3/17/2023	10/18/2023	3/26/2024	10/25/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES													
1,1,1-Trichloroethane	µg/L	5	< 8000	< 8000	< 8000	< 8000	8300	9400	< 8000 U	9100	< 8000 U	< 8000 U	< 8000 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,1,2-Trichloroethane	µg/L	1	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,1-Dichloroethane	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,1-Dichloroethene	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,2-Dichloroethane	µg/L	0.6	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
1,2-Dichloropropane	µg/L	1	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
2-Butanone	µg/L	50	< 80000	< 80000	< 80000	< 80000	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U
2-Hexanone	µg/L	50	< 40000	< 40000	< 40000	< 40000	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U
4-Methyl-2-pentanone	µg/L		< 40000	< 40000	< 40000	< 40000	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U
Acetone	µg/L	50	< 80000	< 80000	< 80000	< 80000	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U
Benzene	µg/L	1	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Bromodichloromethane	µg/L	50	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Bromoform	µg/L	50	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Bromomethane	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Carbondisulfide	µg/L	60	< 8000	< 8000	12000	< 8000	1500 J J	2700 J J	< 8000 U	1800 J J	< 8000 U	< 8000 U	< 8000 U
Carbontetrachloride	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Chlorobenzene	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Chloroethane	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Chloroform (trichloromethane)	µg/L	7	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Chloromethane	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
cis-1,2-Dichloroethene	µg/L	5	36000	40000	56000	49000	100000	77000	93000	99000	92000	95000 F1 J-	110000
cis-1,3-Dichloropropene	µg/L	0.4	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Dibromochloromethane	µg/L	50	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Ethylbenzene	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
m,p-xylene	µg/L	5	< 16000	< 16000	< 16000	< 16000	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 16000 U
Methylene chloride	µg/L	5	270000	450000	540000	490000	740000	430000	390000	280000	590000	420000 F1 J-	670000
o-Xylene	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Styrene	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Tetrachloroethene	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Toluene	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
trans-1,2-Dichloroethene	µg/L	5	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 8000	< 8000	< 8000	< 8000	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U
Trichloroethene	µg/L	5	170000	270000	560000	490000	610000	630000	400000	570000	340000	330000 F1 J-	310000
Vinyl chloride	µg/L	2	< 8000	< 8000	< 8000	< 8000	7600 J J	12000	< 8000 U	24000	< 8000 U	< 8000 U	< 8000 U

		Location Code	87-17(0)
		Sample Date	12/16/2024
	Units	GPS	Result
VOLATILES			
1,1,1-Trichloroethane	µg/L	5	< 50 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 50 U
1,1,2-Trichloroethane	µg/L	1	< 50 U
1,1-Dichloroethane	µg/L	5	< 50 U
1,1-Dichloroethene	µg/L	5	17 J J
1,2-Dichloroethane	µg/L	0.6	< 50 U
2-Butanone	µg/L	50	< 500 U
2-Hexanone	µg/L	50	< 250 U
4-Methyl-2-pentanone	µg/L		< 250 U
Acetone	µg/L	50	< 500 U
Benzene	µg/L	1	< 50 U
Bromodichloromethane	µg/L	50	< 50 U
Bromoform	µg/L	50	< 50 U
Bromomethane	µg/L	5	< 50 U
Carbondisulfide	µg/L	60	< 50 U
Carbontetrachloride	µg/L	5	< 50 U
Chlorobenzene	µg/L	5	< 50 U
Chloroethane	µg/L	5	< 50 U
Chloroform (trichloromethane)	µg/L	7	< 50 U
Chloromethane	µg/L	5	< 50 U
cis-1,2-Dichloroethene	µg/L	5	2500
cis-1,3-Dichloropropene	µg/L	0.4	< 50 U
Dibromochloromethane	µg/L	50	< 50 U
Ethylbenzene	µg/L	5	< 50 U
Freon 113	µg/L		690
m,p-xylene	µg/L	5	< 100 U
Methylene chloride	µg/L	5	< 50 U
o-Xylene	µg/L	5	< 50 U
Styrene	µg/L	5	< 50 U
Tetrachloroethene	µg/L	5	< 50 U
Toluene	µg/L	5	< 50 U
trans-1,2-Dichloroethene	µg/L	5	< 50 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 50 U
Trichloroethene	µg/L	5	830
Vinyl chloride	µg/L	2	180
Xylene (total)	µg/L		< 100 U

Location Code			87-17(1)											
Sample Date			4/28/1994	7/21/1994	10/25/1994	1/12/1995	4/20/1995	7/12/1995	10/19/1995	2/1/1996	4/17/1996	7/17/1996	10/16/1996	1/15/1997	4/30/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	196	< 50	< 50	147	142	131	120	80	89	100	61	81	120
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
1,1,2-Trichloroethane	µg/L	1	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
1,1-Dichloroethane	µg/L	5	29	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	23
1,1-Dichloroethene	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	4
1,2-Dichloroethane	µg/L	0.6	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
1,2-Dichloropropane	µg/L	1	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
2-Butanone	µg/L	50	< 50	< 500	< 500	< 250	< 250	< 500	< 250	< 250	< 125	< 125	< 120	< 120	< 50
2-Hexanone	µg/L	50	< 50	< 500	< 500	< 250	< 250	< 500	< 250	< 250	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone	µg/L		< 50	< 500	< 500	< 250	< 250	< 500	< 250	< 250	< 50	< 50	< 50	< 50	< 50
Acetone	µg/L	50	< 50	< 500	< 500	< 250	< 250	< 500	< 250	< 250	< 125	< 125	< 120	< 120	< 50
Benzene	µg/L	1	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Bromodichloromethane	µg/L	50	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Bromoform	µg/L	50	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Bromomethane	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Carbondisulfide	µg/L	60	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Carbontetrachloride	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Chlorobenzene	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Chloroethane	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Chloroform (trichloromethane)	µg/L	7	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Chloromethane	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
cis-1,2-Dichloroethene	µg/L	5	814	747	310	757	655	660	830	610	570	670	450	590	590
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Dibromochloromethane	µg/L	50	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Ethylbenzene	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Methylene chloride	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
o-Xylene	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Styrene	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Tetrachloroethene	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Toluene	µg/L	5	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
trans-1,2-Dichloroethene	µg/L	5	6	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	4
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 50	< 50	< 25	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	< 2.5
Trichloroethene	µg/L	5	60	104	< 50	55	< 25	< 50	< 25	< 50	< 25	< 25	< 25	< 25	24
Vinyl chloride	µg/L	2	101	96	69	103	82	95	125	130	120	91	59	100	100
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-17(1)											
Sample Date			7/23/1997	10/31/1997	10/30/1998	10/29/1999	10/25/2000	10/11/2001	10/4/2002	10/22/2003	10/11/2004	10/14/2005	10/24/2006	10/7/2007	10/22/2008
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	100	140	74	64	63	42	210	65	120	87	82	16	13
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
1,1,2-Trichloroethane	µg/L	1	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
1,1-Dichloroethane	µg/L	5	24	38	17	< 25	17	13	44	15	27	22	20	7.4	6.1
1,1-Dichloroethene	µg/L	5	< 2	< 25	3	< 25	< 5	< 1	13	5.1	10	3.9	5.4	< 8	1.4
1,2-Dichloroethane	µg/L	0.6	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
1,2-Dichloropropane	µg/L	1	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
2-Butanone	µg/L	50	< 50	< 120	< 25	< 25	< 50	< 10	< 10	< 120	< 250	< 5	< 5	< 40	< 5
2-Hexanone	µg/L	50	< 50	< 50	< 10	< 50	< 50	< 10	< 10	< 120	< 250	< 5	< 5	< 40	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 10	< 50	< 50	< 10	< 10	< 120	< 250	< 5	< 5	< 40	< 5
Acetone	µg/L	50	< 50	< 120	< 25	< 130	< 50	< 10	< 10	< 120	< 250	< 5	< 5	< 40	< 5
Benzene	µg/L	1	< 2	< 25	< 5	< 4	< 4	< 0.7	< 0.7	< 120	< 250	< 1	< 1	< 8	< 1
Bromodichloromethane	µg/L	50	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Bromoform	µg/L	50	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Bromomethane	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Carbondisulfide	µg/L	60	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	1.2	5.6	1
Carbontetrachloride	µg/L	5	< 2	< 25	< 5	< 25	< 5	23	66	< 25	< 50	< 1	< 1	< 8	< 1
Chlorobenzene	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Chloroethane	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 2	< 25	< 50	< 1	< 1	< 8	< 1
Chloroform (trichloromethane)	µg/L	7	5	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Chloromethane	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
cis-1,2-Dichloroethene	µg/L	5	530	680	540	440	370	260	400	160	1500	610	870	460	360
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Dibromochloromethane	µg/L	50	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Ethylbenzene	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 75	< 150	< 2	< 2	< 16	< 2
Methylene chloride	µg/L	5	3	< 25	61	< 25	< 5	< 1	9	< 25	26	< 1	< 1	22	< 1
o-Xylene	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Styrene	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Tetrachloroethene	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Toluene	µg/L	5	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
trans-1,2-Dichloroethene	µg/L	5	3	< 25	2	< 25	< 5	3	3	< 25	< 50	3.6	7.1	< 8	2.5
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 25	< 5	< 25	< 5	< 1	< 1	< 25	< 50	< 1	< 1	< 8	< 1
Trichloroethene	µg/L	5	13	< 25	28	< 25	11	8	< 100	25	< 50	2.7	4.6	< 8	2.2
Vinyl chloride	µg/L	2	89	120	91	100	93	110	110	110	220	450	170	120	180
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-17(1)												
Sample Date			10/15/2009	10/10/2010	10/11/2011	11/12/2012	4/18/2013	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES																
1,1,1-Trichloroethane	µg/L	5	11	6.4	93	500	450	240	170	140	89	110	100	100	100	89
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.21	< 0.21	< 0.21	< 2.1	< 1	< 0.84	< 0.84	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
1,1,2-Trichloroethane	µg/L	1	< 0.23	< 0.23	< 0.23	< 2.3	< 1	< 0.92	< 0.92	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
1,1-Dichloroethane	µg/L	5	5.1	3.9	16	64	59	38	32	27	21	26	23	25	22	20
1,1-Dichloroethene	µg/L	5	1.6	0.89	13	8.3	11	11	4.7	1.4	0.91 J	1.5	1.4 J	1.3	< 2.5	1.2 J
1,2-Dichloroethane	µg/L	0.6	< 0.21	< 0.21	< 0.21	< 2.1	< 1	< 0.84	< 0.84	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
1,2-Dichloropropane	µg/L	1	< 0.32	< 0.72	< 0.72	< 7.2	< 1	< 2.9	< 2.9	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
2-Butanone	µg/L	50	< 1.3	< 1.3	< 1.3	< 13	< 5	< 5.3	< 5.3	< 10	< 5	< 5	< 10	< 5	< 13	< 10
2-Hexanone	µg/L	50	< 1.2	< 1.2	< 1.2	< 12	< 1	< 5	< 5	< 10	< 5	< 5	< 10	< 5	< 13	< 10
4-Methyl-2-pentanone	µg/L		< 0.91	< 2.1	< 2.1	< 21	< 5	< 8.4	< 8.4	< 10	< 5	< 5	< 10	< 5	< 13	< 10
Acetone	µg/L	50	< 1.3	< 3	< 3	< 30	< 1	< 12	< 12	< 10	1.4 J	1.8 J	< 10	< 5	< 13	< 10
Benzene	µg/L	1	< 0.41	< 0.41	< 0.41	< 4.1	< 1	< 1.6	< 1.6	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Bromodichloromethane	µg/L	50	< 0.39	< 0.39	< 0.39	< 3.9	< 1	< 1.6	< 1.6	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Bromoform	µg/L	50	< 0.26	< 0.26	< 0.26	< 2.6	< 1	< 1	< 1	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Bromomethane	µg/L	5	< 0.28	< 0.69	< 0.69	< 6.9	< 1	< 2.8	< 2.8	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Carbondisulfide	µg/L	60	< 0.19	1.5	1.7	8.9	0.4	2	< 0.76	2.9	1.5	1.4	1.4 J	1.2 B	< 2.5	< 2
Carbontetrachloride	µg/L	5	< 0.27	< 0.27	< 0.27	< 2.7	< 1	< 1.1	< 1.1	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Chlorobenzene	µg/L	5	< 0.32	< 0.75	< 0.75	< 7.5	< 1	< 3	< 3	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Chloroethane	µg/L	5	< 0.32	< 0.32	< 0.32	< 3.2	0.68	< 1.3	< 1.3	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Chloroform (trichloromethane)	µg/L	7	< 0.34	< 0.34	< 0.34	< 3.4	< 1	< 1.4	< 1.4	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Chloromethane	µg/L	5	< 0.35	< 0.35	< 0.35	< 3.5	< 1	< 1.4	< 1.4	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
cis-1,2-Dichloroethene	µg/L	5	280	240	900	850	480	250	220	160	130	130	110	120	97	92
cis-1,3-Dichloropropene	µg/L	0.4	< 0.36	< 0.36	< 0.36	< 3.6	< 1	< 1.4	< 1.4	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Dibromochloromethane	µg/L	50	< 0.32	< 0.32	< 0.32	< 3.2	< 1	< 1.3	< 1.3	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Ethylbenzene	µg/L	5	< 0.18	< 0.74	< 0.74	< 7.4	< 1	< 3	< 3	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.66	< 0.66	< 0.66	< 6.6	< 2	< 2.6	< 2.6	< 6	< 2	< 2	< 4	< 2	< 5	< 4
Methylene chloride	µg/L	5	< 0.44	< 0.44	0.44	< 4.4	< 1	< 1.8	< 1.8	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
o-Xylene	µg/L	5	< 0.36	< 0.76	< 0.76	< 7.6	< 1	< 3	< 3	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Styrene	µg/L	5	< 0.18	< 0.73	< 0.73	< 7.3	< 1	< 2.9	< 2.9	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Tetrachloroethene	µg/L	5	< 0.36	< 0.36	< 0.36	< 3.6	< 1	< 1.4	< 1.4	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Toluene	µg/L	5	< 0.51	< 0.51	< 0.51	< 5.1	< 1	< 2	< 2	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
trans-1,2-Dichloroethene	µg/L	5	2.3	2.2	3.1	< 9	3.3	< 3.6	< 3.6	2.1	2.5	2.2	2.3	2.2	1.8 J	2 J
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.37	< 0.37	< 0.37	< 3.7	< 1	< 1.5	< 1.5	< 2	< 1	< 1	< 2	< 1	< 2.5	< 2
Trichloroethene	µg/L	5	2.9	2.3	3.9	13	7.5	4.1	5	13	18	2.7	2.7	3.2	2.3 J	2.1
Vinyl chloride	µg/L	2	140	130	340	420	400	230	310	260	150	280 D	320	340 D	290	220
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-17(1)											
Sample Date			9/20/2018	10/31/2018	12/12/2018	9/25/2019	1/15/2020	5/28/2020	8/20/2020	10/14/2020	3/17/2021	10/12/2021	10/12/2021	3/21/2022	10/6/2022
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	89	72	74	100	52	12	62	54	51	55	59	72	31
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
1,1,2-Trichloroethane	µg/L	1	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
1,1-Dichloroethane	µg/L	5	23	20	19	29	15	3.6	20	19	18	19	23	22	12
1,1-Dichloroethene	µg/L	5	1.8 J	1.3 J	1.2 J	1.3 J	< 5	< 1	1.6	3.5 J	< 10	< 4 U	< 8 U	< 10 U	< 10 U
1,2-Dichloroethane	µg/L	0.6	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
1,2-Dichloropropane	µg/L	1	< 2	< 2	< 2	< 2	< 5	< 1	< 1	NA	< 10	< 4 U	< 8 U	< 10 U	< 10 U
2-Butanone	µg/L	50	< 10	< 10	< 10	< 20	< 50	< 10	< 10	< 50	< 100	< 40 U	< 80 U	< 100 U	< 100 U
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 25	< 5	< 5	< 25	< 50	< 20 U	< 40 U	< 50 U	< 50 U
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 25	< 5	< 5	< 25	< 50	< 20 U	< 40 U	< 50 U	< 50 U
Acetone	µg/L	50	5.2 J	< 10	< 10	< 20	< 50	< 10	< 10	< 50	< 100	< 40 U	< 80 U	< 100 U	< 100 U+ U
Benzene	µg/L	1	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Bromodichloromethane	µg/L	50	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Bromoform	µg/L	50	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Bromomethane	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Carbondisulfide	µg/L	60	2.4	0.85 J	1.6 J	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Carbontetrachloride	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Chlorobenzene	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Chloroethane	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Chloroform (trichloromethane)	µg/L	7	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Chloromethane	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
cis-1,2-Dichloroethene	µg/L	5	190	110	120	140	110	31	97	300 F1	130	120	140	120	100
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Dibromochloromethane	µg/L	50	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Ethylbenzene	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Freon 113	µg/L		NA	NA	NA	< 2	NA	NA	NA	750 F1	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 4	< 4	< 4	< 4	< 10	< 2	< 2	< 10	< 20	< 8 U	< 16 U	< 20 U	< 20 U
Methylene chloride	µg/L	5	12	< 2	< 2	< 2	< 5	0.57 J	< 1	< 5	< 10	< 4 U	13	4.5 J J	< 10 U
o-Xylene	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Styrene	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Tetrachloroethene	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Toluene	µg/L	5	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
trans-1,2-Dichloroethene	µg/L	5	2 J	2.4	2	2.4	< 5	< 1	2	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 2	< 2	< 2	< 5	< 1	< 1	< 5	< 10	< 4 U	< 8 U	< 10 U	< 10 U
Trichloroethene	µg/L	5	140	51	1.9 J	2.5	4.5 J	15	9.4	100	58	3.9 J J	5 J J	< 10 U	< 10 U
Vinyl chloride	µg/L	2	290	260	260	360	220	63	230	220 F1	340	290	300	320	230
Xylene (total)	µg/L		NA	NA	NA	< 4	NA	NA	NA	< 10	NA	NA	NA	NA	NA

Location Code			87-17(1)		
Sample Date			10/18/2023	10/25/2024	10/25/2024
	Units	GPS	Result	Result	Result
VOLATILES					
1,1,1-Trichloroethane	µg/L	5	48	29	30
1,1,2,2-Tetrachloroethane	µg/L	5	< 10 U	< 2 U	< 4 U
1,1,2-Trichloroethane	µg/L	1	< 10 U	< 2 U	< 4 U
1,1-Dichloroethane	µg/L	5	17	11	11
1,1-Dichloroethene	µg/L	5	< 10 U	0.89 J J	< 4 U
1,2-Dichloroethane	µg/L	0.6	< 10 U	< 2 U	< 4 U
1,2-Dichloropropane	µg/L	1	< 10 U	< 2 U	< 4 U
2-Butanone	µg/L	50	< 100 U	< 20 U	< 40 U
2-Hexanone	µg/L	50	< 50 U	< 10 U	< 20 U
4-Methyl-2-pentanone	µg/L		< 50 U	< 10 U	< 20 U
Acetone	µg/L	50	< 100 U	< 20 U	< 40 U
Benzene	µg/L	1	< 10 U	< 2 U	< 4 U
Bromodichloromethane	µg/L	50	< 10 U	< 2 U	< 4 U
Bromoform	µg/L	50	< 10 U	< 2 U	< 4 U
Bromomethane	µg/L	5	< 10 U	< 2 U	< 4 U
Carbondisulfide	µg/L	60	< 10 U	< 2 U	< 4 U
Carbontetrachloride	µg/L	5	< 10 U	< 2 U	< 4 U
Chlorobenzene	µg/L	5	< 10 U	< 2 U	< 4 U
Chloroethane	µg/L	5	< 10 U	< 2 U	< 4 U
Chloroform (trichloromethane)	µg/L	7	< 10 U	< 2 U	< 4 U
Chloromethane	µg/L	5	< 10 U	< 2 U	< 4 U
cis-1,2-Dichloroethene	µg/L	5	100	84	83
cis-1,3-Dichloropropene	µg/L	0.4	< 10 U	< 2 U	< 4 U
Dibromochloromethane	µg/L	50	< 10 U	< 2 U	< 4 U
Ethylbenzene	µg/L	5	< 10 U	< 2 U	< 4 U
Freon 113	µg/L		NA	NA	NA
m,p-xylene	µg/L	5	< 20 U	< 4 U	< 8 U
Methylene chloride	µg/L	5	< 10 U	1.7 J J	4.2
o-Xylene	µg/L	5	< 10 U	< 2 U	< 4 U
Styrene	µg/L	5	< 10 U	< 2 U	< 4 U
Tetrachloroethene	µg/L	5	< 10 U	< 2 U	< 4 U
Toluene	µg/L	5	< 10 U	< 2 U	< 4 U
trans-1,2-Dichloroethene	µg/L	5	< 10 U	< 2 U	< 4 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 10 U	< 2 U	< 4 U
Trichloroethene	µg/L	5	< 10 U	1.7 J J	< 4 U
Vinyl chloride	µg/L	2	220	150	150 J-
Xylene (total)	µg/L		NA	NA	NA

Location Code			87-18(0)											
Sample Date			1/31/1996	4/18/1996	4/29/1997	10/31/1997	10/29/1998	10/28/1999	10/26/2000	10/10/2001	10/2/2002	10/21/2003	10/11/2004	10/14/2005	10/24/2006
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Benzene	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	29	< 1	< 1	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 3	< 3	< 2	< 2
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Location Code			87-18(0)			
Sample Date			10/7/2007	10/22/2008	10/15/2009	10/10/2010
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 0.26	< 0.82
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 0.21	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 0.23	< 0.23
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 0.38	< 0.38
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 0.29	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 0.21	< 0.21
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 0.32	< 0.72
2-Butanone	µg/L	50	< 5	< 5	< 1.3	< 1.3
2-Hexanone	µg/L	50	< 5	< 5	< 1.2	< 1.2
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 0.91	< 2.1
Acetone	µg/L	50	< 5	< 5	< 1.3	< 3
Benzene	µg/L	1	< 1	< 1	< 0.41	< 0.41
Bromodichloromethane	µg/L	50	< 1	< 1	< 0.39	< 0.39
Bromoform	µg/L	50	< 1	< 1	< 0.26	< 0.26
Bromomethane	µg/L	5	< 1	< 1	< 0.28	< 0.69
Carbondisulfide	µg/L	60	< 1	< 1	< 0.19	< 0.19
Carbontetrachloride	µg/L	5	< 1	< 1	< 0.27	< 0.27
Chlorobenzene	µg/L	5	< 1	< 1	< 0.32	< 0.75
Chloroethane	µg/L	5	< 1	< 1	< 0.32	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 0.34	< 0.34
Chloromethane	µg/L	5	< 1	< 1	< 0.35	< 0.35
cis-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 0.38	< 0.81
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 0.36	< 0.36
Dibromochloromethane	µg/L	50	< 1	< 1	< 0.32	< 0.32
Ethylbenzene	µg/L	5	< 1	< 1	< 0.18	< 0.74
m,p-xylene	µg/L	5	< 2	< 2	< 0.66	< 0.66
Methylene chloride	µg/L	5	< 1	< 1	< 0.44	< 0.44
o-Xylene	µg/L	5	< 1	< 1	< 0.36	< 0.76
Styrene	µg/L	5	< 1	< 1	< 0.18	< 0.73
Tetrachloroethene	µg/L	5	< 1	< 1	< 0.36	< 0.36
Toluene	µg/L	5	< 1	< 1	< 0.51	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 0.42	< 0.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 0.37	< 0.37
Trichloroethene	µg/L	5	< 1	< 1	< 0.46	< 0.46
Vinyl chloride	µg/L	2	< 1	< 1	< 0.24	< 0.9

Location Code			87-18(1)			
Sample Date			5/22/2017	12/10/2018	3/23/2022	10/4/2022
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	27	25	2.7	15
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 5	< 2.5	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	17	18	2.1	12
1,1-Dichloroethene	µg/L	5	< 5	1.3 J	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 5	< 2.5	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 5	< 2.5	< 1 U	< 1 U
2-Butanone	µg/L	50	< 25	< 13	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 25	< 13	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 25	< 13	< 5 U	< 5 U
Acetone	µg/L	50	6.7 J	< 13	< 10 U	< 10 U
Benzene	µg/L	1	< 5	< 2.5	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 5	< 2.5	< 1 U	< 1 U
Bromoform	µg/L	50	< 5	< 2.5	< 1 U	< 1 U
Bromomethane	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 5	< 2.5	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
Chloroethane	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 5	< 2.5	< 1 U	< 1 U
Chloromethane	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	620	130	13	83
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 2.5	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 5	< 2.5	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
m,p-xylene	µg/L	5	< 10	< 5	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
o-Xylene	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
Styrene	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
Toluene	µg/L	5	< 5	< 2.5	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	2.6 J	2.1 J	< 1 U	1.5
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 2.5	< 1 U	< 1 U
Trichloroethene	µg/L	5	3.9 J	4.7	0.81 J J	2.6
Vinyl chloride	µg/L	2	510	310	1.1	370

Location Code			87-19(1)											
Sample Date			1/20/1994	7/20/1994	1/9/1995	7/11/1995	1/30/1996	4/18/1996	10/15/1996	4/29/1997	10/28/1997	4/22/1998	10/27/1998	10/27/1999	10/27/2000
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 1	< 1	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 50	< 50	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	µg/L	50	< 50	< 50	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	µg/L	50	< 50	< 50	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	µg/L	1	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	µg/L	50	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	2	< 5	0.9	< 5	4	5	7	6	9	7	8	9	10
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	1	< 5	< 0.5	< 5	2	2	3	2	3	3	4	4	3
Vinyl chloride	µg/L	2	< 0.5	< 5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	0.6	3	< 1	< 1	3	3
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-19(1)											
Sample Date			10/9/2001	10/2/2002	10/22/2003	10/11/2004	10/14/2005	10/24/2006	10/7/2007	10/22/2008	10/14/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.26	< 0.82	< 0.82	< 0.82	< 0.82
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32	< 0.72	< 0.72	< 0.72	< 0.72
2-Butanone	µg/L	50	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
2-Hexanone	µg/L	50	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 0.91	< 2.1	< 2.1	< 2.1	< 2.1
Acetone	µg/L	50	< 10	< 10	< 5	< 5	< 5	< 5	1.3	< 5	< 1.3	< 3	< 3	< 3	< 3
Benzene	µg/L	1	< 0.7	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.28	< 0.69	< 0.69	< 0.69	< 0.69
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 1	< 1	< 1	0.8	< 1	< 0.19	< 0.19	0.51 J	0.47	< 0.19
Carbontetrachloride	µg/L	5	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32	< 0.75	< 0.75	< 0.75	< 0.75
Chloroethane	µg/L	5	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	µg/L	5	20	11	2.8	3.8	1.5	< 1	3	6.4	5.7	6.4	6.1	7.3	7.6
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.18	< 0.74	< 0.74	< 0.74	< 0.74
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 1	< 1	< 3	< 3	< 2	< 2	< 2	< 2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.36	< 0.76	< 0.76	< 0.76	< 0.76
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.18	< 0.73	< 0.73	< 0.73	< 0.73
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.42	< 0.9	< 0.9	< 0.9	< 0.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Trichloroethene	µg/L	5	6	< 2	0.42	0.39	< 1	< 1	< 1	0.83	< 0.46	< 0.46	< 0.46	< 0.46	0.56
Vinyl chloride	µg/L	2	7	3	< 1	< 1	< 1	< 1	< 1	4.3	3.7	4.6	3.4	2.3	1.7
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-19(1)											
Sample Date			10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/11/2021	10/4/2022	10/18/2023	10/24/2024	10/24/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES														
1,1,1-Trichloroethane	µg/L	5	< 0.82	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.21	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 0.23	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	< 0.38	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	µg/L	5	< 0.29	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 0.21	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 0.72	< 1	< 1	< 1	< 1	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 1.3	< 5	< 5	< 5	< 5	< 10	< 10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 1.2	< 5	< 5	< 5	< 5	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 2.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 3	< 5	< 5	< 5	< 5	< 10	< 10	< 10 U+ U	< 10 U	< 10 U	< 10 U	< 10 U
Benzene	µg/L	1	< 0.41	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 0.39	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 0.26	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 0.69	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 0.19	0.25	< 1	< 1	1.6	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 0.27	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 0.75	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 0.32	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 0.34	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 0.35	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U+ U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	4.4	5.9	5.8	5.3	5.3	4.6	4.2	4.8	3.9	3.2	2.9	3.1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.36	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 0.32	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 0.74	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.66	< 2	< 2	< 2	< 2	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 0.44	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 0.76	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 0.73	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 0.36	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	µg/L	5	< 0.51	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 0.9	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.37	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	< 0.46	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	µg/L	2	< 0.9	2.5	1.7	1.9	3.5	3.2	3.1	3.7	4.6	2.9	2.1	1.9
Xylene (total)	µg/L		NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA	NA	NA

Location Code			87-20(0)												
Sample Date			7/20/1993	1/21/1994	7/20/1994	1/9/1995	1/30/1996	4/18/1996	10/17/1996	7/22/1997	10/29/1997	4/20/1998	10/28/1998	10/27/1999	10/26/2000	10/10/2001
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES																
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 1	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 1	3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	µg/L	50	< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	µg/L	50	< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	µg/L	1	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 1	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-20(0)											
Sample Date			10/2/2002	10/21/2003	10/11/2004	10/14/2005	10/24/2006	10/7/2007	10/21/2008	10/14/2009	10/10/2010	10/11/2011	11/12/2012	10/23/2013	10/30/2014
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.26	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72
2-Butanone	µg/L	50	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
2-Hexanone	µg/L	50	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
4-Methyl-2-pentanone	µg/L		< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 0.91	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Acetone	µg/L	50	< 10	2.6	< 5	< 5	< 5	< 5	< 5	< 1.3	< 3	< 3	< 3	< 3	< 3
Benzene	µg/L	1	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.28	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 1	< 1	0.42	< 1	< 0.19	< 0.19	< 0.19	1	< 0.19	< 0.19
Carbontetrachloride	µg/L	5	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
Chloroethane	µg/L	5	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	µg/L	5	< 1	< 1	0.79	< 1	< 1	< 1	< 1	< 0.38	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.18	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 1	< 3	< 3	< 2	< 2	< 2	< 2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.36	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.18	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.42	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Trichloroethene	µg/L	5	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.24	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-20(0)										
Sample Date			10/22/2015	4/27/2016	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/8/2021	10/4/2022	10/17/2023	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES													
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 1	< 1	NA	NA	NA	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 5	< 5	1.4	< 1	< 1	< 10	< 10	< 10 U	3.3 J J	< 10 U	< 10 U
Benzene	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 1	0.79	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	< 1	< 1	< 1 U	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	0.24	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA	NA

Location Code			87-20(1)												
Sample Date			4/20/1993	7/20/1993	10/13/1993	1/21/1994	7/20/1994	1/9/1995	7/11/1995	1/30/1996	4/18/1996	10/17/1996	4/29/1997	10/29/1997	4/20/1998
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	595	< 5000	480	< 1000	< 250	< 1250	300	< 1000	< 1000	< 500	< 1200	< 100
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
1,1,2-Trichloroethane	µg/L	1	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
1,1-Dichloroethane	µg/L	5	17	< 125	< 5000	33	< 1000	< 250	< 1250	35	< 1000	< 1000	< 500	< 1200	< 100
1,1-Dichloroethene	µg/L	5	52	< 125	< 5000	17	< 1000	< 250	< 1250	51	< 1000	< 1000	< 500	< 1200	< 100
1,2-Dichloroethane	µg/L	0.6	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
1,2-Dichloropropane	µg/L	1	42	< 125	< 5000	< 5	< 1000	< 250	< 12500	< 25	< 1000	< 1000	< 500	< 1200	< 100
2-Butanone	µg/L	50	< 50	< 1250	< 50000	< 50	33700	< 2500	< 12500	< 125	< 5000	13000	< 2500	< 6200	< 1000
2-Hexanone	µg/L	50	< 50	< 1250	< 50000	< 50	< 10000	< 2500	< 12500	< 125	< 2000	< 2000	< 1000	< 2500	< 1000
4-Methyl-2-pentanone	µg/L		< 50	< 1250	< 50000	< 50	< 10000	< 2500	< 12500	< 125	< 2000	< 2000	< 1000	< 2500	< 1000
Acetone	µg/L	50	< 50	< 1250	< 50000	< 50	< 10000	< 2500	< 12500	< 125	< 5000	< 5000	< 2500	< 6200	< 1000
Benzene	µg/L	1	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 70
Bromodichloromethane	µg/L	50	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Bromoform	µg/L	50	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Bromomethane	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Carbondisulfide	µg/L	60	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Carbontetrachloride	µg/L	5	24	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Chlorobenzene	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Chloroethane	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Chloroform (trichloromethane)	µg/L	7	6	< 125	< 5000	9	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Chloromethane	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
cis-1,2-Dichloroethene	µg/L	5	11400	21600	13700	1280	9360	5320	16800	21000	21000	11000	14000	12000	9700
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Dibromochloromethane	µg/L	50	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Ethylbenzene	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Methylene chloride	µg/L	5	2250	24800	15600	1250	2680	524	< 1250	1000	< 1000	< 1000	< 500	< 1200	< 200
o-Xylene	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Styrene	µg/L	5	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Tetrachloroethene	µg/L	5	6	328	< 5000	10	< 1000	< 250	< 1250	26	< 1000	< 1000	< 500	< 1200	< 100
Toluene	µg/L	5	12	< 125	< 5000	16	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
trans-1,2-Dichloroethene	µg/L	5	35	< 125	< 5000	27	< 1000	< 250	< 1250	110	< 1000	< 1000	< 500	< 1200	< 100
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 125	< 5000	< 5	< 1000	< 250	< 1250	< 25	< 1000	< 1000	< 500	< 1200	< 100
Trichloroethene	µg/L	5	24800	88500	51000	4140	38600	20400	28200	40000	24000	6000	4000	2800	430
Vinyl chloride	µg/L	2	211	281	< 5000	207	< 1000	< 250	< 1250	340	< 1000	< 1000	< 500	< 1200	720
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-20(1)											
Sample Date			10/28/1998	10/27/1999	10/26/2000	12/14/2001	10/2/2002	10/21/2003	10/11/2004	10/24/2006	10/7/2007	10/21/2008	10/14/2009	10/10/2010	10/11/2011
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	96	15	< 200	34	35	48
1,1,2,2-Tetrachloroethane	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 2.1	< 0.21	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 2.3	< 0.23	< 0.23
1,1-Dichloroethane	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	18	< 25	< 200	13	12	13
1,1-Dichloroethene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	25	14	< 200	19	15	15
1,2-Dichloroethane	µg/L	0.6	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 2.1	< 0.21	< 0.21
1,2-Dichloropropane	µg/L	1	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 3.2	< 0.72	< 0.72
2-Butanone	µg/L	50	< 2000	< 5000	< 6300	< 500	< 5000	< 1000	< 2500	< 5	< 120	< 1000	< 13	< 1.3	< 1.3
2-Hexanone	µg/L	50	< 2000	< 2000	< 2500	< 200	< 5000	< 1000	< 2500	< 5	< 120	< 1000	< 12	< 1.2	< 1.2
4-Methyl-2-pentanone	µg/L		< 2000	< 2000	< 2500	< 200	< 5000	< 1000	< 2500	< 5	< 120	< 1000	< 9.1	< 2.1	< 2.1
Acetone	µg/L	50	< 2000	< 5000	< 6300	< 500	< 5000	< 1000	< 2500	< 5	< 120	< 1000	< 13	< 3	< 3
Benzene	µg/L	1	< 140	< 140	< 180	< 14	< 350	< 200	< 500	< 1	< 120	< 200	< 4.1	< 0.41	< 0.41
Bromodichloromethane	µg/L	50	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 3.9	< 0.39	< 0.39
Bromoform	µg/L	50	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 2.6	< 0.26	< 0.26
Bromomethane	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 2.8	< 0.69	< 0.69
Carbondisulfide	µg/L	60	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	0.72	14	< 200	< 1.9	2	< 0.93
Carbontetrachloride	µg/L	5	< 200	< 1000	< 1300	< 100	< 1500	< 200	< 500	< 1	< 25	< 200	< 2.7	< 0.27	< 0.27
Chlorobenzene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 3.2	< 0.75	< 0.75
Chloroethane	µg/L	5	< 200	< 1000	< 1300	< 100	< 1000	< 200	< 500	< 1	< 25	< 200	< 3.2	< 0.32	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	1.7	< 25	< 200	< 3.4	1.4	1.7
Chloromethane	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 3.5	< 0.35	< 0.35
cis-1,2-Dichloroethene	µg/L	5	11000	12000	3300	15000	11000	5000	17000	1700	12000	17000	12000	12000	8100
cis-1,3-Dichloropropene	µg/L	0.4	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 3.6	< 0.36	< 0.36
Dibromochloromethane	µg/L	50	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 3.2	< 0.32	< 0.32
Ethylbenzene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	0.5	< 25	< 200	< 1.8	< 0.74	< 0.74
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 600	< 1500	< 2	< 75	< 600	< 6.6	< 0.66	< 0.66
Methylene chloride	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	250	< 1	26	< 200	< 4.4	< 0.44	< 0.44
o-Xylene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	0.95	< 25	< 200	< 3.6	< 0.76	< 0.76
Styrene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 1.8	< 0.73	< 0.73
Tetrachloroethene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	2.8	< 25	< 200	< 3.6	< 0.36	< 0.36
Toluene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	1.1	< 25	< 200	< 5.1	1.1	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	43	35	< 200	22	29	24
Trans-1,3-Dichloropropene	µg/L	0.4	< 200	< 1000	< 1300	< 100	< 500	< 200	< 500	< 1	< 25	< 200	< 3.7	< 0.37	< 0.37
Trichloroethene	µg/L	5	1800	< 1000	< 1300	1300	2800	1500	3400	810	69	110	99	95	50
Vinyl chloride	µg/L	2	< 200	510	< 500	1100	< 500	< 200	350	50	370	650	520	670	540
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-20(1)											
Sample Date			11/12/2012	10/23/2013	10/30/2014	10/21/2015	10/19/2016	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 82	< 82	< 82	23	22 J	26	21 J	4.7 J	14 J	6.4 J	7.1 J	14	11 J
1,1,2,2-Tetrachloroethane	µg/L	5	< 21	< 21	< 21	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
1,1,2-Trichloroethane	µg/L	1	< 23	< 23	< 23	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
1,1-Dichloroethane	µg/L	5	< 38	< 38	< 38	19	18 J	13 J	16 J	4.7 J	12 J	5.1 J	8.2 J	11	9.4 J
1,1-Dichloroethene	µg/L	5	< 29	< 29	< 29	18	< 50	< 25	< 50	< 5	< 25	3.8 J	4.8 J	7.6 J	5.6 J
1,2-Dichloroethane	µg/L	0.6	< 21	< 21	< 21	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
1,2-Dichloropropane	µg/L	1	< 72	< 72	< 72	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
2-Butanone	µg/L	50	< 130	< 130	< 130	< 130	< 250	< 130	< 250	< 25	< 130	< 50	< 50	< 50	< 100
2-Hexanone	µg/L	50	< 120	< 120	< 120	< 130	< 250	< 130	< 250	< 25	< 130	< 50	< 50	< 50	< 100
4-Methyl-2-pentanone	µg/L		< 210	< 210	< 210	< 130	< 250	< 130	< 250	< 25	< 130	< 50	< 50	< 50	< 100
Acetone	µg/L	50	< 300	< 300	< 300	< 130	< 250	< 130	< 250	< 25	< 130	< 50	< 50	< 50	< 100
Benzene	µg/L	1	< 41	< 41	< 41	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Bromodichloromethane	µg/L	50	< 39	< 39	< 39	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Bromoform	µg/L	50	< 26	< 26	< 26	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Bromomethane	µg/L	5	< 69	< 69	< 69	< 25	< 50	9 J	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Carbondisulfide	µg/L	60	< 19	< 19	< 19	< 25	< 50	< 25	< 50	6.5	24 J	< 10	12	18	22
Carbontetrachloride	µg/L	5	< 27	< 27	< 27	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Chlorobenzene	µg/L	5	< 75	< 75	< 75	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Chloroethane	µg/L	5	< 32	< 32	< 32	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Chloroform (trichloromethane)	µg/L	7	< 34	< 34	< 34	< 25	18 J	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Chloromethane	µg/L	5	< 35	< 35	< 35	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
cis-1,2-Dichloroethene	µg/L	5	4200	8300	8700	6800	4700	6200 D	4800	670	2800	1200	1100	2300 D	1800
cis-1,3-Dichloropropene	µg/L	0.4	< 36	< 36	< 36	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Dibromochloromethane	µg/L	50	< 32	< 32	< 32	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Ethylbenzene	µg/L	5	< 74	< 74	< 74	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 66	< 66	< 66	< 50	< 100	< 50	< 100	< 10	< 50	< 20	< 20	< 20	< 40
Methylene chloride	µg/L	5	< 44	< 44	< 44	< 25	< 50	< 25	< 50	< 5	20 J	< 10	< 10	< 10	< 20
o-Xylene	µg/L	5	< 76	< 76	< 76	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Styrene	µg/L	5	< 73	< 73	< 73	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Tetrachloroethene	µg/L	5	< 36	< 36	< 36	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Toluene	µg/L	5	< 51	< 51	< 51	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
trans-1,2-Dichloroethene	µg/L	5	< 90	< 90	< 90	24	< 50	17 J	< 50	3 J	< 25	4.3 J	3.7 J	7.7 J	6.6 J
Trans-1,3-Dichloropropene	µg/L	0.4	< 37	< 37	< 37	< 25	< 50	< 25	< 50	< 5	< 25	< 10	< 10	< 10	< 20
Trichloroethene	µg/L	5	< 46	< 46	< 46	26	19 J	34	39 J	13	47	24	18	28	20 J
Vinyl chloride	µg/L	2	1300	1500	1600	1600	830	760	1600	460	1200	440	420	730	780
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-20(1)											
Sample Date			3/26/2019	9/19/2019	9/24/2019	1/13/2020	5/21/2020	8/17/2020	10/13/2020	10/13/2020	3/15/2021	10/8/2021	3/17/2022	10/4/2022	10/17/2023
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 10	2.5	2.5	1.2	7.1	3	2.8	2.8	13	2.8	2.9	3.1	4.2
1,1,2,2-Tetrachloroethane	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	µg/L	1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane	µg/L	5	5.9 J	3.5	3.5	1.6	6.3	3.5	3	2.9	13	3.7	4	5.2	9.5
1,1-Dichloroethene	µg/L	5	3.9 J	< 1	< 1	< 1	2.1	< 1	< 1	< 1	2.2	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethane	µg/L	0.6	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	µg/L	1	< 10	< 1	NA	< 1	< 1	< 1	NA	NA	< 1	NA	< 2 U	< 2 U	< 2 U
2-Butanone	µg/L	50	< 100	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20 U	< 20 U	< 20 U	< 20 U
2-Hexanone	µg/L	50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10 U	< 10 U	< 10 U	< 10 U
4-Methyl-2-pentanone	µg/L		< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	µg/L	50	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	µg/L	1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane	µg/L	50	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Bromoform	µg/L	50	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Bromomethane	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Carbondisulfide	µg/L	60	< 10	< 1	< 1	< 1	0.81 J	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Carbontetrachloride	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Chloroethane	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Chloroform (trichloromethane)	µg/L	7	< 10	< 1	2.8	1.9	1.1	2.3	1.9	1.8	0.66 J	1.1 J J	< 2 U	1.2 J J	1.9 J J
Chloromethane	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	µg/L	5	910	20	20	7.3	1000	28	25	25	520	30	73	67	50
cis-1,3-Dichloropropene	µg/L	0.4	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane	µg/L	50	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Ethylbenzene	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Freon 113	µg/L		NA	NA	6.7	NA	NA	NA	7.9	8.9	NA	14	NA	NA	NA
m,p-xylene	µg/L	5	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4 U	< 4 U	< 4 U	< 4 U
Methylene chloride	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	1 J J	< 2 U	< 2 U
o-Xylene	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Styrene	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Toluene	µg/L	5	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	µg/L	5	< 10	< 1	< 1	< 1	2.8	< 1	< 1	< 1	7.3	< 2 U	< 2 U	< 2 U	< 2 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2 U	< 2 U	< 2 U	< 2 U
Trichloroethene	µg/L	5	14	7	7	2.7	14	6.8	5.2	5.3	13	6.2	5.8	7.9	7.2
Vinyl chloride	µg/L	2	380	< 1	< 1	1.7	330	2.1	1.4	1.2	2300	8.4	44	23	8.9
Xylene (total)	µg/L		NA	NA	< 2	NA	NA	NA	< 2	< 2	NA	NA	NA	NA	NA

			Location Code	**87-20(1)**
			Sample Date	10/23/2024	10/23/2024
	Units	GPS	Result	Result
VOLATILES				
1,1,1-Trichloroethane	µg/L	5	6	5
1,1,2,2-Tetrachloroethane	µg/L	5	< 1 U	< 2 U
1,1,2-Trichloroethane	µg/L	1	< 1 U	< 2 U
1,1-Dichloroethane	µg/L	5	5.4	5.4
1,1-Dichloroethene	µg/L	5	< 1 U	< 2 U
1,2-Dichloroethane	µg/L	0.6	< 1 U	< 2 U
1,2-Dichloropropane	µg/L	1	< 1 U	< 2 U
2-Butanone	µg/L	50	< 10 U	< 20 U
2-Hexanone	µg/L	50	< 5 U	< 10 U
4-Methyl-2-pentanone	µg/L		< 5 U	< 10 U
Acetone	µg/L	50	< 10 U	< 20 U
Benzene	µg/L	1	< 1 U	< 2 U
Bromodichloromethane	µg/L	50	< 1 U	< 2 U
Bromoform	µg/L	50	< 1 U	< 2 U
Bromomethane	µg/L	5	< 1 U	< 2 U
Carbondisulfide	µg/L	60	< 1 U	< 2 U
Carbontetrachloride	µg/L	5	< 1 U	< 2 U
Chlorobenzene	µg/L	5	< 1 U	< 2 U
Chloroethane	µg/L	5	< 1 U	< 2 U
Chloroform (trichloromethane)	µg/L	7	3.8	3.2
Chloromethane	µg/L	5	< 1 U	< 2 U
cis-1,2-Dichloroethene	µg/L	5	17	14
cis-1,3-Dichloropropene	µg/L	0.4	< 1 U	< 2 U
Dibromochloromethane	µg/L	50	< 1 U	< 2 U
Ethylbenzene	µg/L	5	< 1 U	< 2 U
Freon 113	µg/L		NA	NA
m,p-xylene	µg/L	5	< 2 U	< 4 U
Methylene chloride	µg/L	5	< 1 U	0.91 J J
o-Xylene	µg/L	5	< 1 U	< 2 U
Styrene	µg/L	5	< 1 U	< 2 U
Tetrachloroethene	µg/L	5	< 1 U	< 2 U
Toluene	µg/L	5	< 1 U	< 2 U
trans-1,2-Dichloroethene	µg/L	5	< 1 U	< 2 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1 U	< 2 U
Trichloroethene	µg/L	5	5.9	4.9
Vinyl chloride	µg/L	2	3.4	4
Xylene (total)	µg/L		NA	NA

Location Code			87-21(1)											
Sample Date			4/20/1993	7/20/1993	10/13/1993	1/20/1994	7/20/1994	1/11/1995	7/11/1995	1/29/1996	4/18/1996	10/15/1996	4/29/1997	10/28/1997	4/20/1998
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	22	67	< 125	36	< 50	< 50	< 25	< 25	< 25	6	< 2.5	10	< 20
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
1,1-Dichloroethane	µg/L	5	< 5	7	< 125	6	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	6	< 20
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
2-Butanone	µg/L	50	< 50	< 50	< 1250	< 50	< 500	< 500	< 250	< 125	< 125	< 25	< 50	< 25	< 200
2-Hexanone	µg/L	50	< 50	< 50	< 1250	< 50	< 500	< 500	< 250	< 125	< 50	< 10	< 50	< 10	< 200
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 1250	< 50	< 500	< 500	< 250	< 125	< 50	< 10	< 50	< 10	< 200
Acetone	µg/L	50	< 50	< 50	< 1250	< 50	< 500	< 500	< 250	< 125	< 125	< 25	< 50	< 25	< 200
Benzene	µg/L	1	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 14
Bromodichloromethane	µg/L	50	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Bromoform	µg/L	50	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Bromomethane	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Carbondisulfide	µg/L	60	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Carbontetrachloride	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Chlorobenzene	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Chloroethane	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Chloromethane	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
cis-1,2-Dichloroethene	µg/L	5	565	1720	802	1000	999	575	739	270	160	340	160	2100	37
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Dibromochloromethane	µg/L	50	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Ethylbenzene	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Methylene chloride	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 40
o-Xylene	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Styrene	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Tetrachloroethene	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Toluene	µg/L	5	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
trans-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 125	6	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	9	< 20
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	< 2.5	< 5	< 20
Trichloroethene	µg/L	5	200	1240	375	590	431	225	247	50	28	53	15	99	< 20
Vinyl chloride	µg/L	2	< 5	< 5	< 125	< 5	< 50	< 50	< 25	< 25	< 25	< 5	4	130	< 20
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-21(1)											
Sample Date			10/27/1998	10/27/1999	10/27/2000	10/8/2001	10/2/2002	10/21/2003	10/11/2004	10/14/2005	10/24/2006	10/7/2007	10/21/2008	10/14/2009	10/10/2010
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 10	< 10	< 5	< 1	< 10	2.5	0.86	2.2	5.9	4	15	13	11
1,1,2,2-Tetrachloroethane	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.21	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.23	< 0.23
1,1-Dichloroethane	µg/L	5	< 10	< 10	< 5	1	< 10	< 2	< 1	0.98	1.6	1.5	< 4	2.8	2.6
1,1-Dichloroethene	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	0.6	< 4	< 0.29	0.7
1,2-Dichloroethane	µg/L	0.6	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.21	< 0.21
1,2-Dichloropropane	µg/L	1	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.32	< 0.72
2-Butanone	µg/L	50	< 100	< 100	< 25	< 10	< 100	< 10	< 5	< 5	< 5	< 5	< 20	< 1.3	< 1.3
2-Hexanone	µg/L	50	< 100	< 100	< 10	< 10	< 100	< 10	< 5	< 5	< 5	< 5	< 20	< 1.2	< 1.2
4-Methyl-2-pentanone	µg/L		< 100	< 100	< 10	< 10	< 100	< 10	< 5	< 5	< 5	< 5	< 20	< 0.91	< 2.1
Acetone	µg/L	50	< 100	< 100	< 25	< 10	< 100	< 10	< 5	< 5	< 5	< 5	< 20	< 1.3	< 3
Benzene	µg/L	1	< 7	< 0.7	< 0.7	< 0.7	< 7	< 2	< 1	< 1	< 1	< 1	< 4	< 0.41	< 0.41
Bromodichloromethane	µg/L	50	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.39	< 0.39
Bromoform	µg/L	50	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.26	< 0.26
Bromomethane	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.28	< 0.69
Carbondisulfide	µg/L	60	< 10	< 10	< 5	10	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.19	< 0.19
Carbontetrachloride	µg/L	5	< 10	< 10	< 5	< 1	< 30	< 2	< 1	< 1	< 1	< 1	< 4	< 0.27	< 0.27
Chlorobenzene	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.32	< 0.75
Chloroethane	µg/L	5	< 10	< 10	< 5	< 1	< 20	< 2	< 1	< 1	< 1	< 1	< 4	< 0.32	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 10	< 10	< 5	< 1	< 10	3.9	1.2	1.5	0.99	0.57	1.8	1.4	1.7
Chloromethane	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.35	< 0.35
cis-1,2-Dichloroethene	µg/L	5	1200	160	31	140	1900	60	17	47	73	370	200	98	140
cis-1,3-Dichloropropene	µg/L	0.4	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.36	< 0.36
Dibromochloromethane	µg/L	50	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.32	< 0.32
Ethylbenzene	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.18	< 0.74
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 6	< 3	< 2	< 2	< 2	< 12	< 0.66	< 0.66
Methylene chloride	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.44	< 0.44
o-Xylene	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.36	< 0.76
Styrene	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.18	< 0.73
Tetrachloroethene	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.36	< 0.36
Toluene	µg/L	5	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.51	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 10	< 10	< 5	< 1	< 10	0.81	< 1	< 1	0.67	1.7	< 4	0.99	1.4
Trans-1,3-Dichloropropene	µg/L	0.4	< 10	< 10	< 5	< 1	< 10	< 2	< 1	< 1	< 1	< 1	< 4	< 0.37	< 0.37
Trichloroethene	µg/L	5	700	21	7	30	270	18	3.7	5.8	13	16	15	10	9.8
Vinyl chloride	µg/L	2	54	5	< 2	< 1	24	< 2	< 1	< 1	< 1	9.7	2.4	< 0.24	< 0.9
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-21(1)													
Sample Date			10/11/2011	11/12/2012	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/30/2018	9/24/2019	10/13/2020	10/8/2021	10/4/2022	10/17/2023	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES																
1,1,1-Trichloroethane	µg/L	5	48	3.5	< 3.7	2.9	2.8	3.5	2.8	1.7	1.3	2.1	3.5	< 1 U	2.5	4.4
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 0.23	< 0.23	< 0.23	< 0.23	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	4.3	0.93	2.2	1.7	2.4	3.1	2	1.6	1.5	3.2	5.8	2.4	2.6	2.9
1,1-Dichloroethene	µg/L	5	1.1	0.63	< 0.29	< 0.29	< 1	< 2	< 1	< 1	< 1	< 1	0.5 J J	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 0.72	< 0.72	< 0.72	< 0.72	< 1	< 2	< 1	< 1	NA	NA	NA	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 1.3	< 1.3	< 1.3	< 1.3	< 5	< 10	5	5	< 10	< 10	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 1.2	< 1.2	< 1.2	< 1.2	< 5	< 10	< 5	< 5	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 2.1	< 2.1	< 2.1	< 2.1	< 5	< 10	< 5	< 5	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 3	< 3	< 3	< 3	< 5	2.7	< 5	< 5	< 10	< 10	< 10 U	< 10 U	< 10 U	< 10 U
Benzene	µg/L	1	< 0.41	< 0.41	< 0.41	< 0.41	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 0.39	< 0.39	< 0.39	< 0.39	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 0.26	< 0.26	< 0.26	< 0.26	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 0.69	< 0.69	< 0.69	< 0.69	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 0.19	< 0.19	< 0.19	< 0.19	< 1	< 2	< 1	1.3	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 0.27	< 0.27	< 0.27	< 0.27	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 0.75	< 0.75	< 0.75	< 0.75	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	1.4	< 0.34	< 0.34	< 0.34	0.37	0.62	1.1	1.4	2.1	2	0.9 J J	1.2	2.2	3.8
Chloromethane	µg/L	5	< 0.35	< 0.35	< 0.35	< 0.35	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	110	27	51	95	200	460	7.6	5.7	5.4	83	100	9	7.7	8.9
cis-1,3-Dichloropropene	µg/L	0.4	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 0.74	< 0.74	< 0.74	< 0.74	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	2.2	8	17	NA	NA	NA
m,p-xylene	µg/L	5	< 0.66	< 0.66	< 0.66	< 0.66	< 2	< 4	< 2	< 2	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 0.44	< 0.44	< 0.44	< 0.44	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 0.76	< 0.76	< 0.76	< 0.76	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 0.73	< 0.73	< 0.73	< 0.73	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	µg/L	5	< 0.51	< 0.51	< 0.51	< 0.51	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	1.3	< 0.9	< 0.9	< 0.9	0.92	6.7	0.54	0.34	< 1	1.2	1.7	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.37	< 0.37	< 0.37	< 0.37	< 1	< 2	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	16	4.2	4.7	4.2	5.2	5.4	3.1	3.5	4.6	5.5	6.2	3.3	3.8	3
Vinyl chloride	µg/L	2	1.8	1.7	1.7	8.8	36	77	< 1	< 1	< 1	63	180	2.4	< 1 U	< 1 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA	NA

Location Code			87-22(0)			
Sample Date			1/31/1996	4/18/1996	4/30/1997	4/20/1998
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 0.5	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 0.5	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 0.5	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 0.5	< 1
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10
Acetone	µg/L	50	< 10	< 10	< 10	< 10
Benzene	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.7
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 0.5	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 0.5	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 0.5	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 2
o-Xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 0.5	< 1

Location Code			87-22(1)											
Sample Date			1/20/1994	4/27/1994	7/20/1994	10/25/1994	1/12/1995	4/19/1995	7/12/1995	10/18/1995	1/31/1996	4/18/1996	7/17/1996	10/15/1996	1/15/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	14	1010	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
1,1,2-Trichloroethane	µg/L	1	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
1,1-Dichloroethane	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
1,1-Dichloroethene	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
1,2-Dichloroethane	µg/L	0.6	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
1,2-Dichloropropane	µg/L	1	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
2-Butanone	µg/L	50	< 50	< 1250	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 1250	< 1250	< 625	< 620	< 620
2-Hexanone	µg/L	50	< 50	< 1250	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 1250	< 500	< 250	< 250	< 250
4-Methyl-2-pentanone	µg/L		< 50	< 1250	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 1250	< 500	< 250	< 250	< 250
Acetone	µg/L	50	< 50	< 1250	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 1250	< 1250	< 625	< 620	< 620
Benzene	µg/L	1	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Bromodichloromethane	µg/L	50	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Bromoform	µg/L	50	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Bromomethane	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Carbondisulfide	µg/L	60	7	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Carbontetrachloride	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Chlorobenzene	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Chloroethane	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Chloroform (trichloromethane)	µg/L	7	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Chloromethane	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
cis-1,2-Dichloroethene	µg/L	5	2920	3830	6320	4530	7260	6810	4850	6900	6700	2900	5400	3000	2400
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Dibromochloromethane	µg/L	50	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Ethylbenzene	µg/L	5	< 5	188	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	883	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Methylene chloride	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
o-Xylene	µg/L	5	< 5	284	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Styrene	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Tetrachloroethene	µg/L	5	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Toluene	µg/L	5	< 5	456	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
trans-1,2-Dichloroethene	µg/L	5	12	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 125	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 125	< 120	< 120
Trichloroethene	µg/L	5	2580	2850	6080	2710	4023	3510	2190	2900	3100	1200	1900	440	630
Vinyl chloride	µg/L	2	114	200	274	< 250	< 250	< 250	< 250	390	260	< 250	170	< 120	< 120
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-22(1)											
Sample Date			4/30/1997	7/22/1997	10/29/1997	10/28/1998	10/27/1999	10/26/2000	10/9/2001	10/2/2002	10/22/2003	10/11/2004	10/14/2005	10/24/2006	10/7/2007
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	0.3	< 2	0.89	< 40	< 20
1,1,2,2-Tetrachloroethane	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
1,1,2-Trichloroethane	µg/L	1	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
1,1-Dichloroethane	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	2	< 50	1.5	1.5	2.9	< 40	< 20
1,1-Dichloroethene	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	11	< 50	0.79	0.67	5.3	< 40	< 20
1,2-Dichloroethane	µg/L	0.6	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
1,2-Dichloropropane	µg/L	1	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
2-Butanone	µg/L	50	< 620	< 100	< 500	< 630	< 630	< 250	< 10	< 500	< 5	< 10	< 5	< 200	< 100
2-Hexanone	µg/L	50	< 250	< 100	< 200	< 250	< 250	< 100	< 10	< 500	< 5	< 10	< 5	< 200	< 100
4-Methyl-2-pentanone	µg/L		< 250	< 100	< 200	< 250	< 250	< 100	< 10	< 500	< 5	< 10	< 5	< 200	< 100
Acetone	µg/L	50	< 620	< 100	< 500	< 630	< 630	< 250	< 10	< 500	2.5	< 10	< 5	< 200	< 100
Benzene	µg/L	1	< 120	< 5	< 100	< 130	< 18	< 7	< 0.7	< 35	< 1	< 2	< 1	< 200	< 20
Bromodichloromethane	µg/L	50	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Bromoform	µg/L	50	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Bromomethane	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Carbondisulfide	µg/L	60	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	0.25	< 2	< 1	< 40	< 20
Carbontetrachloride	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	14	< 150	< 1	< 2	< 1	< 40	< 20
Chlorobenzene	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Chloroethane	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 100	< 1	< 2	< 1	< 40	< 20
Chloroform (trichloromethane)	µg/L	7	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Chloromethane	µg/L	5	< 120	< 5	120	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
cis-1,2-Dichloroethene	µg/L	5	3400	1000	4200	1800	2700	340	2700	16000	280	130	1400	2600	1600
cis-1,3-Dichloropropene	µg/L	0.4	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Dibromochloromethane	µg/L	50	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Ethylbenzene	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 3	< 6	< 2	< 120	< 60
Methylene chloride	µg/L	5	< 120	6	< 100	< 130	< 130	< 50	< 1	< 50	< 1	1.2	< 1	69	21
o-Xylene	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Styrene	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Tetrachloroethene	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Toluene	µg/L	5	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
trans-1,2-Dichloroethene	µg/L	5	< 120	5	< 100	< 130	< 130	< 50	28	< 50	3.2	2.7	8.5	< 40	< 20
Trans-1,3-Dichloropropene	µg/L	0.4	< 120	< 5	< 100	< 130	< 130	< 50	< 1	< 50	< 1	< 2	< 1	< 40	< 20
Trichloroethene	µg/L	5	650	50	200	< 130	< 130	< 50	15	< 100	1.8	1.6	8.7	< 40	< 20
Vinyl chloride	µg/L	2	180	50	250	130	210	84	270	1100	50	61	230	210	120
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-22(1)												
Sample Date			10/21/2008	10/14/2009	10/10/2010	10/11/2011	11/11/2012	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/14/2017	1/23/2018	2/27/2018	3/20/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 10	1.3	2	< 0.89	< 16	< 16	< 8.2	0.6	< 5	< 5	< 25	2.2 J	< 20
1,1,2,2-Tetrachloroethane	µg/L	5	< 10	< 0.21	< 0.21	< 0.21	< 4.2	< 4.2	< 2.1	< 1	< 5	< 5	< 25	< 5	< 20
1,1,2-Trichloroethane	µg/L	1	< 10	< 0.23	< 0.23	< 0.23	< 4.6	< 4.6	< 2.3	< 1	< 5	< 5	< 25	< 5	< 20
1,1-Dichloroethane	µg/L	5	< 10	3.9	6.1	2.8	< 7.6	< 7.6	< 3.8	4.4	5.4 J+	4.6 J	9.3 J	7.2	9.9 J
1,1-Dichloroethene	µg/L	5	< 10	6.7	9.1	< 2.9	< 5.8	< 5.8	< 2.9	1.2	4.9 J	< 5	< 25	4.7 J	< 20
1,2-Dichloroethane	µg/L	0.6	< 10	< 0.21	< 0.21	< 0.21	< 4.2	< 4.2	< 2.1	< 1	< 5	< 5	< 25	< 5	< 20
1,2-Dichloropropane	µg/L	1	< 10	< 0.32	< 0.72	< 0.72	< 14	< 14	< 7.2	< 1	< 5	< 5	< 25	< 5	< 20
2-Butanone	µg/L	50	< 50	< 1.3	< 1.3	< 1.3	< 26	< 26	< 13	< 5	< 25	< 25	< 130	< 25	< 100
2-Hexanone	µg/L	50	< 50	< 1.2	< 1.2	< 1.2	< 25	< 25	< 12	< 5	< 25	< 25	< 130	< 25	< 100
4-Methyl-2-pentanone	µg/L		< 50	< 0.91	< 2.1	< 2.1	< 42	< 42	< 21	< 5	< 25	< 25	< 130	< 25	< 100
Acetone	µg/L	50	< 50	< 1.3	< 3	< 3	< 60	< 60	< 30	< 5	6.4 J	< 25	< 130	< 25	< 100
Benzene	µg/L	1	< 10	< 0.41	< 0.41	< 0.41	< 8.2	< 8.2	< 4.1	< 1	< 5	< 5	< 25	< 5	< 20
Bromodichloromethane	µg/L	50	< 10	< 0.39	< 0.39	< 0.39	< 7.8	< 7.8	< 3.9	< 1	< 5	< 5	< 25	< 5	< 20
Bromoform	µg/L	50	< 10	< 0.26	< 0.26	< 0.26	< 5.2	< 5.2	< 2.6	< 1	< 5	< 5	< 25	< 5	< 20
Bromomethane	µg/L	5	< 10	< 0.28	< 0.69	< 0.69	< 14	< 14	< 6.9	< 1	< 5	< 5	< 25	< 5	< 20
Carbondisulfide	µg/L	60	3.6	< 0.19	0.84	1.2	< 3.8	< 3.8	< 1.9	1.5	< 5	< 5	< 25	1.6 J	< 20
Carbontetrachloride	µg/L	5	< 10	< 0.27	< 0.27	< 0.27	< 5.4	< 5.4	< 2.7	< 1	< 5	< 5	< 25	< 5	< 20
Chlorobenzene	µg/L	5	< 10	< 0.32	< 0.75	< 0.75	< 15	< 15	< 7.5	< 1	< 5	< 5	< 25	< 5	< 20
Chloroethane	µg/L	5	< 10	< 0.32	< 0.32	< 0.32	< 6.4	< 6.4	< 3.2	< 1	< 5	< 5	< 25	< 5	< 20
Chloroform (trichloromethane)	µg/L	7	< 10	< 0.34	0.75	< 0.34	< 6.8	< 6.8	< 3.4	< 1	1.3 J	< 5	< 25	< 5	< 20
Chloromethane	µg/L	5	< 10	< 0.35	< 0.35	< 0.35	< 7	< 7	< 3.5	< 1	< 5	< 5	< 25	< 5	< 20
cis-1,2-Dichloroethene	µg/L	5	900	3500	4300	2000	1100	2500	750	460	1200 D	820	2700 D	1800 D	2500
cis-1,3-Dichloropropene	µg/L	0.4	< 10	< 0.36	< 0.36	< 0.36	< 7.2	< 7.2	< 3.6	< 1	< 5	< 5	< 25	< 5	< 20
Dibromochloromethane	µg/L	50	< 10	< 0.32	< 0.32	< 0.32	< 6.4	< 6.4	< 3.2	< 1	< 5	< 5	< 25	< 5	< 20
Ethylbenzene	µg/L	5	< 10	< 0.18	< 0.74	< 0.74	< 15	< 15	< 7.4	< 1	< 5	< 5	< 25	< 5	< 20
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 30	< 0.66	< 0.66	< 0.66	< 13	< 13	< 6.6	< 2	< 10	< 10	< 50	< 10	< 40
Methylene chloride	µg/L	5	< 10	< 0.44	< 0.44	< 0.44	< 8.8	< 8.8	< 4.4	< 1	< 5	< 5	< 25	< 5	< 20
o-Xylene	µg/L	5	< 10	< 0.36	< 0.76	< 0.76	< 15	< 15	< 7.6	< 1	< 5	< 5	< 25	< 5	< 20
Styrene	µg/L	5	< 10	< 0.18	< 0.73	< 0.73	< 15	< 15	< 7.3	< 1	< 5	< 5	< 25	< 5	< 20
Tetrachloroethene	µg/L	5	< 10	< 0.36	< 0.36	< 0.36	< 7.2	< 7.2	< 3.6	< 1	< 5	< 5	< 25	< 5	< 20
Toluene	µg/L	5	< 10	< 0.51	0.85	< 0.51	< 10	< 10	< 5.1	< 1	< 5	< 5	< 25	< 5	< 20
trans-1,2-Dichloroethene	µg/L	5	4.6	9	15	6.4	< 18	< 18	< 9	2.6	7.3	4.3 J	12 J	7.4	17 J
Trans-1,3-Dichloropropene	µg/L	0.4	< 10	< 0.37	< 0.37	< 0.37	< 7.4	< 7.4	< 3.7	< 1	< 5	< 5	< 25	< 5	< 20
Trichloroethene	µg/L	5	3.6	9.1	12	4.5	< 9.2	< 9.2	< 4.6	2.2	5 J	2.6 J	70 D	5.6	11 J
Vinyl chloride	µg/L	2	160	320	490	200	190	500	150	140	430	430	1100 D	780	1100
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			87-22(1)											
Sample Date			6/19/2018	9/19/2018	10/30/2018	12/11/2018	3/26/2019	9/24/2019	9/24/2019	1/13/2020	5/21/2020	8/17/2020	10/13/2020	3/15/2021	10/8/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
1,1,2-Trichloroethane	µg/L	1	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
1,1-Dichloroethane	µg/L	5	7.8 J	11 J	11 J	9 J	< 80	< 100	< 100	< 80	13	< 100 UF1	< 100	< 40	< 40 U
1,1-Dichloroethene	µg/L	5	< 20	11 J	9 J	7.6 J	< 80	< 100	< 100	< 80	14	< 100	< 100	< 40	< 40 U
1,2-Dichloroethane	µg/L	0.6	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
1,2-Dichloropropane	µg/L	1	< 20	< 20	< 20	< 20	< 80	NA	< 100	< 80	< 8	< 100 UF1	NA	< 40	NA
2-Butanone	µg/L	50	< 100	< 100	< 100	< 100	< 800	< 1000	< 1000	< 800	< 80	< 1000	< 1000	< 400	< 400 U
2-Hexanone	µg/L	50	< 100	< 100	< 100	< 100	< 400	< 500	< 500	< 400	< 40	< 500 UF1	< 500	< 200	< 200 U
4-Methyl-2-pentanone	µg/L		< 100	< 100	< 100	< 100	< 400	< 500	< 500	< 400	< 40	< 500 UF1	< 500	< 200	< 200 U
Acetone	µg/L	50	< 100	< 100	< 100	< 100	< 800	< 1000	< 1000	< 800	< 80	< 1000	< 1000	< 400	< 400 U
Benzene	µg/L	1	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Bromodichloromethane	µg/L	50	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Bromoform	µg/L	50	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Bromomethane	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Carbondisulfide	µg/L	60	< 20	25	26	20 J	< 80	< 100	< 100	< 80	< 8	< 100	< 100	< 40	< 40 U
Carbontetrachloride	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Chlorobenzene	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Chloroethane	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Chloroform (trichloromethane)	µg/L	7	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Chloromethane	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
cis-1,2-Dichloroethene	µg/L	5	2100	3200	3300	2500	2900	3300	3500	4100	4300	4600 F1	3500	2400	1800
cis-1,3-Dichloropropene	µg/L	0.4	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Dibromochloromethane	µg/L	50	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Ethylbenzene	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Freon 113	µg/L		NA	NA	NA	NA	NA	< 100	< 100	NA	NA	NA	< 100	NA	< 40 U
m,p-xylene	µg/L	5	< 40	< 40	< 40	< 40	< 160	< 200	< 200	< 160	< 16	< 200 UF1	< 200	< 80	< 80 U
Methylene chloride	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
o-Xylene	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Styrene	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Tetrachloroethene	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Toluene	µg/L	5	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
trans-1,2-Dichloroethene	µg/L	5	9.2 J	15 J	17 J	13 J	< 80	< 100	< 100	< 80	15	< 100 UF1	< 100	< 40	< 40 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 20	< 20	< 20	< 20	< 80	< 100	< 100	< 80	< 8	< 100 UF1	< 100	< 40	< 40 U
Trichloroethene	µg/L	5	9.8 J	18 J	20 J	18 J	< 80	< 100	< 100	< 80	32	< 100 UF1	< 100	< 40	< 40 U
Vinyl chloride	µg/L	2	1100	1900	1700	1300	1400	1400	1500	1800	2200	2600 F1	2200	1700	1300
Xylene (total)	µg/L		NA	NA	NA	NA	NA	< 200	< 200	NA	NA	NA	< 200	NA	NA

Location Code			87-22(1)						
Sample Date			3/17/2022	3/17/2022	10/4/2022	10/18/2023	10/24/2024	10/24/2024	10/24/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result
VOLATILES									
1,1,1-Trichloroethane	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	2.3
1,1,2,2-Tetrachloroethane	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
1,1-Dichloroethane	µg/L	5	4.1	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	5.5
1,1-Dichloroethene	µg/L	5	3.7 J J	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	4
1,2-Dichloroethane	µg/L	0.6	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
2-Butanone	µg/L	50	< 40 U	< 400 U	< 800 U	< 10 U	< 1000 U	< 20 U	< 10 U
2-Hexanone	µg/L	50	< 20 U	< 200 U	< 400 U	< 5 U	< 500 U	< 10 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 20 U	< 200 U	< 400 U	< 5 U	< 500 U	< 10 U	< 5 U
Acetone	µg/L	50	< 40 U	< 400 U	< 800 U	< 10 U	< 1000 U	< 20 U	< 10 U
Benzene	µg/L	1	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Bromodichloromethane	µg/L	50	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Bromoform	µg/L	50	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Bromomethane	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Carbondisulfide	µg/L	60	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Carbontetrachloride	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Chlorobenzene	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Chloroethane	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	0.4 J J+
Chloromethane	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	1500	1400	2800	4.5	1100	48	1100
cis-1,3-Dichloropropene	µg/L	0.4	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Dibromochloromethane	µg/L	50	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Ethylbenzene	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 8 U	< 80 U	< 160 U	< 2 U	< 200 U	< 4 U	< 2 U
Methylene chloride	µg/L	5	4.1 J	23 J J	< 80 U	< 1 U	47 J J	2.4	0.45 J J
o-Xylene	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Styrene	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Tetrachloroethene	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Toluene	µg/L	5	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	4.3	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	6.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 4 U	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	< 1 U
Trichloroethene	µg/L	5	6	< 40 U	< 80 U	< 1 U	< 100 U	< 2 U	5.2
Vinyl chloride	µg/L	2	1400	1300	3700	4.8	2100	88	2100
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA

Location Code			87-23(0)											
Sample Date			7/20/1993	1/21/1994	7/20/1994	1/11/1995	7/11/1995	1/31/1996	4/17/1996	10/16/1996	4/30/1997	10/29/1997	4/20/1998	10/28/1998	10/28/1999
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
2-Butanone	µg/L	50	< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	µg/L	50	< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	µg/L	50	< 20	< 50	< 10	< 10	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	µg/L	1	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.7
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	3	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	2	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 1	0.9	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 1	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1

Location Code			87-23(0)									
Sample Date			10/25/2000	10/8/2001	10/3/2002	10/22/2003	10/11/2004	10/14/2005	10/24/2006	10/7/2007	10/22/2008	10/10/2010
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES												
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.82
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.23
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.38
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.72
2-Butanone	µg/L	50	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1.3
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1
Acetone	µg/L	50	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 3
Benzene	µg/L	1	< 0.7	< 0.7	< 0.7	< 1	< 1	< 1	< 1	< 1	< 1	< 0.41
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.39
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.26
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.69
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.19
Carbontetrachloride	µg/L	5	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 0.27
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.75
Chloroethane	µg/L	5	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.34
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.35
cis-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.81
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.36
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.32
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.74
m,p-xylene	µg/L	5	< 1	< 1	< 1	< 3	< 3	< 2	< 2	< 2	< 2	< 0.66
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.44
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.76
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.73
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.36
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.37
Trichloroethene	µg/L	5	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 0.46
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.9

Location Code			89-03(1)											
Sample Date			1/18/1994	1/9/1995	1/30/1996	10/15/1996	4/22/1998	10/27/1998	10/26/1999	10/27/2000	10/8/2001	10/2/2002	10/21/2003	10/11/2004	10/14/2005
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
Acetone	µg/L	50	< 50	< 10	12	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
Benzene	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	9	31	25	39	11	64	40	23	17	10	10	6.2	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 3	< 3	< 2
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	0.6	< 0.5	< 0.5	< 1	< 1	< 1	< 1	4	< 2	1.1	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Location Code			89-03(1)			
Sample Date			10/24/2006	10/7/2007	10/21/2008	10/14/2009
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 0.26
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 0.23
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 0.38
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 0.21
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 0.32
2-Butanone	µg/L	50	< 5	< 5	< 5	< 1.3
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 1.2
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 0.91
Acetone	µg/L	50	< 5	< 5	< 5	< 1.3
Benzene	µg/L	1	< 1	< 1	< 1	< 0.41
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 0.39
Bromoform	µg/L	50	< 1	< 1	< 1	< 0.26
Bromomethane	µg/L	5	< 1	< 1	< 1	< 0.28
Carbondisulfide	µg/L	60	< 1	0.72	< 1	< 0.19
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 0.27
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 0.32
Chloroethane	µg/L	5	< 1	< 1	< 1	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 0.34
Chloromethane	µg/L	5	< 1	< 1	< 1	< 0.35
cis-1,2-Dichloroethene	µg/L	5	18	47	2.5	0.92
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.36
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 0.32
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 0.18
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 0.66
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 0.44
o-Xylene	µg/L	5	< 1	< 1	< 1	< 0.36
Styrene	µg/L	5	< 1	< 1	< 1	< 0.18
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 0.36
Toluene	µg/L	5	< 1	< 1	< 1	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 1	0.68	< 1	< 0.42
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.37
Trichloroethene	µg/L	5	< 1	< 1	< 1	< 0.46
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 0.24

Location Code			89-04(1)											
Sample Date			4/20/1993	7/20/1993	10/13/1993	1/18/1994	7/20/1994	1/10/1995	7/11/1995	1/30/1996	4/19/1996	10/15/1996	4/29/1997	10/28/1997	4/20/1998
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
1,1-Dichloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
1,1-Dichloroethene	µg/L	5	19	10	6	< 5	7	< 5	6	< 5	< 5	< 5	4	< 5	3
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
2-Butanone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 25	< 25	< 10	< 25	< 10
2-Hexanone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 10	< 10	< 10	< 10	< 10
Acetone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 25	< 25	< 10	< 25	< 10
Benzene	µg/L	1	6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 0.7
Bromodichloromethane	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Bromoform	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Bromomethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Carbondisulfide	µg/L	60	98	80	88	73	74	67	94	< 5	42	150	86	110	110
Carbontetrachloride	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Chlorobenzene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Chloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Chloromethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
cis-1,2-Dichloroethene	µg/L	5	96	76	71	40	60	37	39	< 5	18	22	23	22	18
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Dibromochloromethane	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Ethylbenzene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Methylene chloride	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 2
o-Xylene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Styrene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Tetrachloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Toluene	µg/L	5	6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
trans-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 5	6	< 5	< 5	< 5	< 5	< 5	< 5	2	< 5	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 1
Trichloroethene	µg/L	5	12	8	8	7	6	< 5	6	< 5	< 5	6	6	7	6
Vinyl chloride	µg/L	2	49	36	33	12	24	< 5	< 5	< 5	< 5	< 5	2	< 5	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			89-04(1)											
Sample Date			10/27/1998	10/27/1999	10/26/2000	10/8/2001	10/1/2002	10/22/2003	10/7/2007	10/21/2008	10/14/2009	10/10/2010	11/12/2012	10/30/2014	10/19/2016
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.26	< 0.82	< 0.82	< 0.82	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 1
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.38	< 0.38	< 0.38	< 0.38	< 1
1,1-Dichloroethene	µg/L	5	3	4	< 1	< 1	2	1.2	1.1	< 1	1.2	0.52	0.57	< 0.29	< 1
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.32	< 0.72	< 0.72	< 0.72	< 1
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 20	< 5	< 5	< 1.3	< 1.3	< 1.3	< 1.3	< 5
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 20	< 5	< 5	< 1.2	< 1.2	< 1.2	< 1.2	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 10	< 20	< 5	< 5	< 0.91	< 2.1	< 2.1	< 2.1	< 5
Acetone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 20	< 5	< 5	< 1.3	< 3	< 3	< 3	1.9
Benzene	µg/L	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 4	< 1	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 1
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.39	< 0.39	< 0.39	< 0.39	< 1
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 1
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.28	< 0.69	< 0.69	< 0.69	< 1
Carbondisulfide	µg/L	60	99	83	44	80	84	90	63	57	9.8	15	30	12	11
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 1	< 3	< 4	< 1	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 1
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.32	< 0.75	< 0.75	< 0.75	< 1
Chloroethane	µg/L	5	< 1	< 1	< 1	< 1	2	< 4	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.34	< 0.34	< 0.34	< 0.34	< 1
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 1
cis-1,2-Dichloroethene	µg/L	5	19	29	12	19	17	24	10	8.7	7.7	4.8	3.2	2.3	2.1
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.18	< 0.74	< 0.74	< 0.74	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 12	< 2	< 2	< 0.66	< 0.66	< 0.66	< 0.66	< 2
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.44	< 0.44	< 0.44	< 0.44	< 1
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.36	< 0.76	< 0.76	< 0.76	< 1
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.18	< 0.73	< 0.73	< 0.73	< 1
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.51	< 0.51	< 0.51	< 0.51	< 1
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 4	0.64	0.67	1.6	1.5	1.3	< 0.9	0.41
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 4	< 1	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 1
Trichloroethene	µg/L	5	6	7	4	7	5	4.8	3.7	3.3	1.8	1.7	1.5	1.3	1.4
Vinyl chloride	µg/L	2	4	12	< 1	2	3	4.6	1.5	2.1	3.8	< 0.9	1.2	< 0.9	0.4
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			89-04(1)			
Sample Date			10/30/2018	10/13/2020	10/4/2022	10/23/2024
	Units	GPS	Result	Result	Result	Result
VOLATILES						
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1 U	< 1 U
1,1-Dichloroethene	µg/L	5	0.49	< 1	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 1	NA	< 1 U	< 1 U
2-Butanone	µg/L	50	< 5	< 10	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5	< 5	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5 U	< 5 U
Acetone	µg/L	50	< 5	< 10	3.6 J J	< 10 U
Benzene	µg/L	1	< 1	< 1	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 1 U	< 1 U
Bromoform	µg/L	50	< 1	< 1	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 1 U	< 1 U
Carbondisulfide	µg/L	60	9.9	4.1	1.3	4.3
Carbontetrachloride	µg/L	5	< 1	< 1	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1	< 1	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	2	1.2	0.89 J J	1.1
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 1 U	< 1 U
Freon 113	µg/L		NA	< 1	NA	NA
m,p-xylene	µg/L	5	< 2	< 2	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 1	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 1 U	< 1 U
Toluene	µg/L	5	< 1	< 1	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	0.41	< 1	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1 U	< 1 U
Trichloroethene	µg/L	5	1.3	0.95 J	< 1 U	0.98 J J
Vinyl chloride	µg/L	2	0.4	< 1	< 1 U	< 1 U
Xylene (total)	µg/L		NA	< 2	NA	NA

Location Code			89-10(1)											
Sample Date			11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/27/2019	1/14/2020	5/26/2020	8/19/2020	3/17/2021	10/8/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	9.4	85	23 J	31 J	44 J	80	120	< 500	25	< 80	< 80	< 80	< 100 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
1,1,2-Trichloroethane	µg/L	1	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
1,1-Dichloroethane	µg/L	5	5.9	29	< 50	18 J	13 J	35 J	57	< 500	15	< 80	< 80	< 80	59 J J
1,1-Dichloroethene	µg/L	5	5.1	20	< 50	< 50	< 50	20 J	33 J	< 500	< 8	< 80	< 80	< 80	45 J J
1,2-Dichloroethane	µg/L	0.6	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
1,2-Dichloropropane	µg/L	1	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	NA
2-Butanone	µg/L	50	< 25	< 50	< 250	< 250	< 250	< 250	< 250	< 5000	< 80	< 800	< 800	< 800	< 1000 U
2-Hexanone	µg/L	50	< 25	< 50	< 250	< 250	< 250	< 250	< 250	< 2500	< 40	< 400	< 400	< 400	< 500 U
4-Methyl-2-pentanone	µg/L		< 25	< 50	< 250	< 250	< 250	< 250	< 250	< 2500	< 40	< 400	< 400	< 400	< 500 U
Acetone	µg/L	50	< 25	< 50	< 250	< 250	< 250	< 250	< 250	< 5000	< 80	< 800	< 800	< 800	< 1000 U
Benzene	µg/L	1	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Bromodichloromethane	µg/L	50	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Bromoform	µg/L	50	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Bromomethane	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Carbondisulfide	µg/L	60	1.3 J	63	45 J	210	26 J	160	360	< 500	< 8	61 J	< 80	61 J	99 J J
Carbontetrachloride	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Chlorobenzene	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Chloroethane	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Chloroform (trichloromethane)	µg/L	7	2.5 J	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Chloromethane	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
cis-1,2-Dichloroethene	µg/L	5	1400 D	4300 D	1200	1900	1500	3600	5000	6600	4500	4800	3300	2500	11000
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Dibromochloromethane	µg/L	50	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Ethylbenzene	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600
m,p-xylene	µg/L	5	< 10	< 20	< 100	< 100	< 100	< 100	< 100	< 1000	< 16	< 160	< 160	< 160	< 200 U
Methylene chloride	µg/L	5	660	3700 D	1600	4400	860	2100	3100	3400	< 8	1700	900	2200	5700
o-Xylene	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Styrene	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Tetrachloroethene	µg/L	5	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Toluene	µg/L	5	< 5	8.4 J	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
trans-1,2-Dichloroethene	µg/L	5	3.5 J	12	< 50	< 50	< 50	< 50	15 J	< 500	< 8	< 80	< 80	< 80	< 100 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 10	< 50	< 50	< 50	< 50	< 50	< 500	< 8	< 80	< 80	< 80	< 100 U
Trichloroethene	µg/L	5	1500 D	17000 D	4600	6400	7200	8900	14000 D	19000	50	7600	3900	5700	11000
Vinyl chloride	µg/L	2	100	360	230	400	160	450	480	490 J	500	1200	450	550	1900

Location Code			89-10(1)						
Sample Date			3/21/2022	10/5/2022	3/15/2023	3/15/2023	10/16/2023	3/24/2024	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result
VOLATILES									
1,1,1-Trichloroethane	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
1,1,2-Trichloroethane	µg/L	1	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
1,1-Dichloroethane	µg/L	5	130	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	8.1 J J
1,1-Dichloroethene	µg/L	5	81 J J	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
1,2-Dichloroethane	µg/L	0.6	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
1,2-Dichloropropane	µg/L	1	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
2-Butanone	µg/L	50	< 1000 U	< 5000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 100 U
2-Hexanone	µg/L	50	< 500 U	< 2500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 50 U
4-Methyl-2-pentanone	µg/L		< 500 U	< 2500 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 50 U
Acetone	µg/L	50	< 1000 U	< 5000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 100 U
Benzene	µg/L	1	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Bromodichloromethane	µg/L	50	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Bromoform	µg/L	50	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Bromomethane	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Carbondisulfide	µg/L	60	180	< 500 U	41 J J	< 200 U	< 200 U	< 200 U	< 10 U
Carbontetrachloride	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Chlorobenzene	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Chloroethane	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Chloroform (trichloromethane)	µg/L	7	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Chloromethane	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
cis-1,2-Dichloroethene	µg/L	5	29000	9100	6500	5100	13000	6400	1600
cis-1,3-Dichloropropene	µg/L	0.4	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Dibromochloromethane	µg/L	50	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Ethylbenzene	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 200 U	< 1000 U	< 400 U	< 400 U	< 400 U	< 400 U	< 20 U
Methylene chloride	µg/L	5	9900	6500	1700 J	1100 J	990	3200	190
o-Xylene	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Styrene	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Tetrachloroethene	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Toluene	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
trans-1,2-Dichloroethene	µg/L	5	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 100 U	< 500 U	< 200 U	< 200 U	< 200 U	< 200 U	< 10 U
Trichloroethene	µg/L	5	16000	14000	3700 J	2300 J	3000	3900	340
Vinyl chloride	µg/L	2	3600	1600	2100	1800	2500	1000	600

Location Code			89-12(1)												
Sample Date			5/23/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/27/2019	1/14/2020	5/22/2020	8/18/2020	3/15/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	22 J	13	17	17	21	18	39	17	15	17	16	15	19
1,1,2,2-Tetrachloroethane	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
1,1,2-Trichloroethane	µg/L	1	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
1,1-Dichloroethane	µg/L	5	9 J	6.3	21	15	14	11	42	12	12	14	12	10	13
1,1-Dichloroethene	µg/L	5	< 25	3.7 J	< 10	< 5	< 5	0.64 J	6.8	< 2	< 4	< 4	< 4	< 5	< 4
1,2-Dichloroethane	µg/L	0.6	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
1,2-Dichloropropane	µg/L	1	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
2-Butanone	µg/L	50	130	< 25	< 50	< 25	< 25	< 10	< 10	< 10	< 40	< 40	< 40	< 50	< 40
2-Hexanone	µg/L	50	130	< 25	< 50	< 25	< 25	< 10	< 10	< 10	< 20	< 20	< 20	< 25	< 20
4-Methyl-2-pentanone	µg/L		130	< 25	< 50	< 25	< 25	< 10	< 10	< 10	< 20	< 20	< 20	< 25	< 20
Acetone	µg/L	50	36 J	8.7 J	< 10	9.9 J	< 25	< 10	< 10	< 10	< 40	< 40	< 40	< 50	< 40
Benzene	µg/L	1	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Bromodichloromethane	µg/L	50	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Bromoform	µg/L	50	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Bromomethane	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Carbondisulfide	µg/L	60	< 25	< 5	47	8.6	8.5	1.6	22	2.2	< 4	< 4	< 4	< 5	< 4
Carbontetrachloride	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Chlorobenzene	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Chloroethane	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Chloroform (trichloromethane)	µg/L	7	< 25	3 J	< 10	< 5	< 5	< 2	0.91 J	< 2	< 4	< 4	< 4	< 5	< 4
Chloromethane	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
cis-1,2-Dichloroethene	µg/L	5	4300	1300 D	1900	880	420	180	2400 D	61	55	110	180	170	330
cis-1,3-Dichloropropene	µg/L	0.4	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Dibromochloromethane	µg/L	50	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Ethylbenzene	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 50	< 10	< 20	< 10	< 10	< 4	0.43 J	< 4	< 8	< 8	< 8	< 10	< 8
Methylene chloride	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	15	< 2	< 4	< 4	< 4	< 5	< 4
o-Xylene	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	0.47 J	< 2	< 4	< 4	< 4	< 5	< 4
Styrene	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Tetrachloroethene	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Toluene	µg/L	5	< 25	< 5	< 10	< 5	< 5	< 2	0.74 J	< 2	< 4	< 4	< 4	< 5	< 4
trans-1,2-Dichloroethene	µg/L	5	19 J	6	5.1 J	3.9 J	3.2 J	3	8.9	2.5	< 4	< 4	< 4	< 5	< 4
Trans-1,3-Dichloropropene	µg/L	0.4	< 25	< 5	< 10	< 5	< 5	< 2	< 2	< 2	< 4	< 4	< 4	< 5	< 4
Trichloroethene	µg/L	5	490	23	42	30	20	16	61	4.3	5.9	5.8	4.2	4 J	5
Vinyl chloride	µg/L	2	270	110	800	780	580	230	1700 D	220	190	320	320	300	650

Location Code			89-12(1)					
Sample Date			10/4/2021	3/18/2022	10/5/2022	10/16/2023	10/22/2024	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result
VOLATILES								
1,1,1-Trichloroethane	µg/L	5	16	< 10 U	36	< 40 U	< 200 U	< 40 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
1,1,2-Trichloroethane	µg/L	1	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
1,1-Dichloroethane	µg/L	5	12	13	19	18 J J	< 200 U	20 J J
1,1-Dichloroethene	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
1,2-Dichloroethane	µg/L	0.6	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
1,2-Dichloropropane	µg/L	1	NA	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
2-Butanone	µg/L	50	< 100 U	< 100 U	< 100 U	< 400 U	< 2000 U	< 400 U
2-Hexanone	µg/L	50	< 50 U	< 50 U	< 50 U	< 200 U	< 1000 U	< 200 U
4-Methyl-2-pentanone	µg/L		< 50 U	< 50 U	< 50 U	< 200 U	< 1000 U	< 200 U
Acetone	µg/L	50	< 100 U	< 100 U	< 100 U	< 400 U	< 2000 U	< 400 U
Benzene	µg/L	1	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Bromodichloromethane	µg/L	50	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Bromoform	µg/L	50	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Bromomethane	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Carbondisulfide	µg/L	60	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Carbontetrachloride	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Chlorobenzene	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Chloroethane	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Chloroform (trichloromethane)	µg/L	7	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Chloromethane	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
cis-1,2-Dichloroethene	µg/L	5	260	190	600	320	350	390
cis-1,3-Dichloropropene	µg/L	0.4	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Dibromochloromethane	µg/L	50	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Ethylbenzene	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Freon 113	µg/L		23	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 20 U	< 20 U	< 20 U	< 80 U	< 400 U	< 80 U
Methylene chloride	µg/L	5	4.5 J J	< 10 U	< 10 U	< 40 U	< 200 U	23 J J
o-Xylene	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Styrene	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Tetrachloroethene	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Toluene	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
trans-1,2-Dichloroethene	µg/L	5	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 10 U	< 10 U	< 10 U	< 40 U	< 200 U	< 40 U
Trichloroethene	µg/L	5	< 10 U	5.3 J J	8.3 J J	< 40 U	< 200 U	< 40 U
Vinyl chloride	µg/L	2	540	620	2000	850	840	980

Location Code			89-14(0)											
Sample Date			7/21/1993	1/21/1994	7/20/1994	1/11/1995	1/31/1996	4/17/1996	10/17/1996	4/30/1997	4/22/1998	10/8/2001	10/3/2002	10/22/2003	10/14/2005
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
2-Hexanone	µg/L	50	< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 20	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
Acetone	µg/L	50	36	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5
Benzene	µg/L	1	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.7	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 3	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 2	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 3	< 2
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 2	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			89-14(0)									
Sample Date			10/24/2006	10/22/2008	10/26/2009	10/10/2010	11/12/2012	10/30/2014	10/30/2018	10/14/2020	10/6/2022	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES												
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 0.26	< 0.82	< 0.82	< 0.82	< 1	< 4	< 2 U	< 2 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 4	< 2 U	< 2 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 1	< 4	< 2 U	< 2 U
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 0.38	< 0.38	< 0.38	< 0.38	< 1	< 4	< 2 U	< 2 U
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 0.29	< 0.29	< 0.29	< 0.29	< 1	< 4	< 2 U	< 2 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 4	< 2 U	< 2 U
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 0.33	< 0.72	< 0.72	< 0.72	< 1	NA	< 2 U	< 2 U
2-Butanone	µg/L	50	< 5	< 5	< 1.3	< 1.3	< 1.3	< 1.3	< 5	< 40	< 20 U	< 20 U
2-Hexanone	µg/L	50	< 5	< 5	< 1.2	< 1.2	< 1.2	< 1.2	< 5	< 20	< 10 U	< 10 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 0.91	< 2.1	< 2.1	< 2.1	< 5	< 20	< 10 U	< 10 U
Acetone	µg/L	50	< 5	< 5	< 1.3	< 3	< 3	< 3	< 5	< 40	< 20 U+ U	< 20 U
Benzene	µg/L	1	< 1	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 1	< 4	< 2 U	< 2 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 0.39	< 0.39	< 0.39	< 0.39	< 1	< 4	< 2 U	< 2 U
Bromoform	µg/L	50	< 1	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 1	< 4	< 2 U	< 2 U
Bromomethane	µg/L	5	< 1	< 1	< 0.28	< 0.69	< 0.69	< 0.69	< 1	< 4	< 2 U	< 2 U
Carbondisulfide	µg/L	60	< 1	< 1	< 0.19	< 0.19	< 0.19	< 0.19	< 1	< 4	< 2 U	< 2 U
Carbontetrachloride	µg/L	5	< 1	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 1	< 4	< 2 U	< 2 U
Chlorobenzene	µg/L	5	< 1	< 1	< 0.32	< 0.75	< 0.75	< 0.75	< 1	< 4	< 2 U	< 2 U
Chloroethane	µg/L	5	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 4	< 2 U	< 2 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 0.34	< 0.34	< 0.34	< 0.34	< 1	< 4	< 2 U	< 2 U
Chloromethane	µg/L	5	< 1	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 1	< 4	< 2 U	< 2 U
cis-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 0.38	< 0.81	< 0.81	< 0.81	< 1	< 4	< 2 U	< 2 U
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 4	< 2 U	< 2 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 4	< 2 U	< 2 U
Ethylbenzene	µg/L	5	< 1	< 1	< 0.18	< 0.74	< 0.74	< 0.74	< 1	< 4	< 2 U	< 2 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA
m,p-xylene	µg/L	5	< 2	< 2	< 0.66	< 0.66	< 0.66	< 0.66	< 2	< 8	< 4 U	< 4 U
Methylene chloride	µg/L	5	< 1	< 1	< 0.44	< 0.44	< 0.44	< 0.44	< 1	< 4	< 2 U	1.4 J J
o-Xylene	µg/L	5	< 1	< 1	< 0.36	< 0.76	< 0.76	< 0.76	< 1	< 4	< 2 U	< 2 U
Styrene	µg/L	5	< 1	< 1	< 0.18	< 0.73	< 0.73	< 0.73	< 1	< 4	< 2 U	< 2 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 4	< 2 U	< 2 U
Toluene	µg/L	5	< 1	< 1	< 0.51	< 0.51	< 0.51	< 0.51	< 1	< 4	< 2 U	< 2 U
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 0.42	< 0.9	< 0.9	< 0.9	< 1	< 4	< 2 U	< 2 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 1	< 4	< 2 U	< 2 U
Trichloroethene	µg/L	5	< 1	< 1	< 0.46	< 0.46	< 0.46	< 0.46	< 1	< 4	< 2 U	< 2 U
Vinyl chloride	µg/L	2	< 1	< 1	< 0.24	< 0.9	< 0.9	< 0.9	< 1	< 4	< 2 U	< 2 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	< 8	NA	NA

Location Code			89-14(1)												
Sample Date			7/20/1993	1/21/1994	1/11/1995	1/31/1996	10/17/1996	10/30/1997	10/28/1998	10/27/1999	10/25/2000	10/8/2001	10/3/2002	10/22/2003	10/11/2004
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	27	30	25	< 50	26	< 25	22	< 25	< 5	6	42	4.7	4.9
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
1,1-Dichloroethane	µg/L	5	7	13	< 25	< 50	< 25	< 25	13	< 25	< 5	7	21	4.9	6.8
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	1.5
1,2-Dichloroethane	µg/L	0.6	< 5	24	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
2-Butanone	µg/L	50	< 50	< 50	< 250	< 250	< 120	< 120	< 50	< 130	< 50	< 10	< 100	< 25	< 5
2-Hexanone	µg/L	50	< 50	< 50	< 250	< 250	< 50	< 50	< 50	< 50	< 50	< 10	< 100	< 25	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 250	< 250	< 50	< 50	< 50	< 50	< 50	< 10	< 100	< 25	< 5
Acetone	µg/L	50	< 50	< 50	< 250	< 250	< 120	< 120	< 50	< 130	< 50	< 10	< 100	< 25	< 5
Benzene	µg/L	1	< 5	< 5	< 25	< 50	< 25	< 25	< 4	< 4	< 4	< 0.7	< 7	< 5	< 1
Bromodichloromethane	µg/L	50	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Bromoform	µg/L	50	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Bromomethane	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Carbondisulfide	µg/L	60	< 5	5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	0.58
Carbontetrachloride	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 30	< 5	0.61
Chlorobenzene	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Chloroethane	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 20	< 5	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Chloromethane	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
cis-1,2-Dichloroethene	µg/L	5	266	550	718	630	490	350	500	530	450	630	990	150	280
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Dibromochloromethane	µg/L	50	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Ethylbenzene	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 15	< 3
Methylene chloride	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
o-Xylene	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Styrene	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Tetrachloroethene	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Toluene	µg/L	5	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
trans-1,2-Dichloroethene	µg/L	5	< 5	7	< 25	< 50	< 25	< 25	< 5	< 25	< 5	2	< 10	< 5	1.8
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 25	< 50	< 25	< 25	< 5	< 25	< 5	< 1	< 10	< 5	< 1
Trichloroethene	µg/L	5	16	< 5	42	< 50	< 25	< 25	30	< 25	30	8	72	15	11
Vinyl chloride	µg/L	2	10	64	69	< 50	< 25	< 25	27	41	25	30	63	7.1	25
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			89-14(1)											
Sample Date			10/14/2005	10/24/2006	10/7/2007	10/22/2008	10/14/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	5.7	4.7	5.3	11	9.5	8.9	59	3.9	2.6	< 3.3	1.1	2	2.2
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 5	< 5	< 5	< 0.21	< 0.21	< 0.21	< 0.42	< 0.42	< 0.84	< 2	< 2	< 2
1,1,2-Trichloroethane	µg/L	1	< 1	< 5	< 5	< 5	< 0.23	< 0.23	< 0.23	< 0.46	< 0.46	< 0.92	< 2	< 2	< 2
1,1-Dichloroethane	µg/L	5	10	9.3	5.7	9.8	8.1	12	28	21	22	17	16	20	17
1,1-Dichloroethene	µg/L	5	2.3	< 5	< 5	2.6	1.6	1.4	8	1.3	1.3	< 1.2	< 2	< 2	< 2
1,2-Dichloroethane	µg/L	0.6	< 1	< 5	< 5	< 5	< 0.21	< 0.21	< 0.21	< 0.42	< 0.42	< 0.84	< 2	< 2	< 2
1,2-Dichloropropane	µg/L	1	< 1	< 5	< 5	< 5	< 0.32	< 0.72	< 0.72	< 1.4	< 1.4	< 2.9	< 2	< 2	< 2
2-Butanone	µg/L	50	< 5	< 25	< 25	< 25	< 1.3	< 1.3	< 1.3	< 2.6	< 2.6	< 5.3	< 10	< 10	< 10
2-Hexanone	µg/L	50	< 5	< 25	< 25	< 25	< 1.2	< 1.2	< 1.2	< 2.5	< 2.5	< 5	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 5	< 25	< 25	< 25	< 0.91	< 2.1	< 2.1	< 4.2	< 4.2	< 8.4	< 10	< 10	< 10
Acetone	µg/L	50	< 5	< 25	< 25	< 25	< 1.3	< 3	< 3	< 6	< 6	< 12	< 10	3.9	4.4
Benzene	µg/L	1	< 1	< 5	< 5	< 5	< 0.41	< 0.41	< 0.41	< 0.82	< 0.82	< 1.6	< 2	< 2	< 2
Bromodichloromethane	µg/L	50	< 1	< 5	< 5	< 5	< 0.39	< 0.39	< 0.39	< 0.78	< 0.78	< 1.6	< 2	< 2	< 2
Bromoform	µg/L	50	< 1	< 5	< 5	< 5	< 0.26	< 0.26	< 0.26	< 0.52	< 0.52	< 1	< 2	< 2	< 2
Bromomethane	µg/L	5	< 1	< 5	< 5	< 5	< 0.28	< 0.69	< 0.69	< 1.4	< 1.4	< 2.8	< 2	< 2	< 2
Carbondisulfide	µg/L	60	< 1	< 5	9.2	3.2	0.66	2.1	1.1	2.1	< 0.38	< 0.76	< 2	0.8	< 2
Carbontetrachloride	µg/L	5	< 1	< 5	< 5	< 5	< 0.27	< 0.27	< 0.27	< 0.54	< 0.54	< 1.1	< 2	< 2	< 2
Chlorobenzene	µg/L	5	< 1	< 5	< 5	< 5	< 0.32	< 0.75	< 0.75	< 1.5	< 1.5	< 3	< 2	< 2	< 2
Chloroethane	µg/L	5	< 1	< 5	< 5	< 5	< 0.32	< 0.32	< 0.32	0.73	< 0.64	< 1.3	< 2	< 2	< 2
Chloroform (trichloromethane)	µg/L	7	< 1	< 5	< 5	< 5	< 0.34	< 0.34	< 0.34	< 0.68	< 0.68	< 1.4	< 2	< 2	< 2
Chloromethane	µg/L	5	< 1	< 5	< 5	< 5	< 0.35	< 0.35	< 0.35	< 0.7	< 0.7	< 1.4	< 2	< 2	< 2
cis-1,2-Dichloroethene	µg/L	5	360	420	250	410	300	340	330	130	220	160	110	130	65
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 5	< 5	< 5	< 0.36	< 0.36	< 0.36	< 0.72	< 0.72	< 1.4	< 2	< 2	< 2
Dibromochloromethane	µg/L	50	< 1	< 5	< 5	< 5	< 0.32	< 0.32	< 0.32	< 0.64	< 0.64	< 1.3	< 2	< 2	< 2
Ethylbenzene	µg/L	5	< 1	< 5	< 5	< 5	< 0.18	< 0.74	< 0.74	< 1.5	< 1.5	< 3	< 2	< 2	< 2
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 15	< 15	< 15	< 0.66	< 0.66	< 0.66	< 1.3	< 1.3	< 2.6	< 4	< 4	< 4
Methylene chloride	µg/L	5	< 1	< 6.9	6.1	6.1	< 0.44	< 0.44	< 0.44	< 0.88	< 0.88	< 1.8	< 2	< 2	< 2
o-Xylene	µg/L	5	< 1	< 5	< 5	< 5	< 0.36	< 0.76	< 0.76	< 1.5	< 1.5	< 3	< 2	< 2	< 2
Styrene	µg/L	5	< 1	< 5	< 5	< 5	< 0.18	< 0.73	< 0.73	< 1.5	< 1.5	< 2.9	< 2	< 2	< 2
Tetrachloroethene	µg/L	5	< 1	< 5	< 5	< 5	< 0.36	< 0.36	< 0.36	< 0.72	< 0.72	< 1.4	< 2	< 2	< 2
Toluene	µg/L	5	< 1	< 5	< 5	< 5	< 0.51	< 0.51	< 0.51	< 1	< 1	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	5	2.4	< 5	< 5	< 5	1.5	1.9	2	< 1.8	< 1.8	< 3.6	1.6	2.3	1.7
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 5	< 5	< 5	< 0.37	< 0.37	< 0.37	< 0.74	< 0.74	< 1.5	< 2	< 2	< 2
Trichloroethene	µg/L	5	12	4.4	4.3	8.4	5.5	4.6	5.9	2.6	2.3	< 1.8	1.5	1.7	1.8
Vinyl chloride	µg/L	2	53	66	< 5	54	48	130	190	57	240	250	220	250	290
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			89-14(1)						
Sample Date			10/30/2018	9/24/2019	10/14/2020	10/11/2021	10/6/2022	10/18/2023	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result
VOLATILES									
1,1,1-Trichloroethane	µg/L	5	0.46	< 4	< 1	1.1	< 2 U	44	< 2 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane	µg/L	5	11	10	7	9.4	9.8	17	8.4
1,1-Dichloroethene	µg/L	5	0.41	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	µg/L	1	< 1	NA	NA	< 1 U	< 2 U	< 2 U	< 2 U
2-Butanone	µg/L	50	< 5	< 40	< 10	< 10 U	< 20 U	< 20 U	< 20 U
2-Hexanone	µg/L	50	< 5	< 20	< 5	< 5 U	< 10 U	< 10 U	< 10 U
4-Methyl-2-pentanone	µg/L		< 5	< 20	< 5	< 5 U	< 10 U	< 10 U	< 10 U
Acetone	µg/L	50	< 5	< 40	< 10	< 10 U+ U	< 20 U+ U	< 20 U	< 20 U
Benzene	µg/L	1	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Bromodichloromethane	µg/L	50	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Bromoform	µg/L	50	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Bromomethane	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Carbondisulfide	µg/L	60	1.8	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Carbontetrachloride	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Chlorobenzene	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Chloroethane	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Chloromethane	µg/L	5	0.3	< 4	< 1	< 1 U+ U	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	µg/L	5	49	44	31	28	28	120	16
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Dibromochloromethane	µg/L	50	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Ethylbenzene	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Freon 113	µg/L		NA	< 4	< 1	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 8	< 2	< 2 U	< 4 U	< 4 U	< 4 U
Methylene chloride	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	1.3 J J
o-Xylene	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Styrene	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Tetrachloroethene	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Toluene	µg/L	5	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	µg/L	5	1.3	< 4	< 1	1.2	< 2 U	< 2 U	< 2 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 4	< 1	< 1 U	< 2 U	< 2 U	< 2 U
Trichloroethene	µg/L	5	0.96	< 4	0.63 J	1.1	< 2 U	1.7 J J	< 2 U
Vinyl chloride	µg/L	2	140	160	74	150	160	230	75
Xylene (total)	µg/L		NA	< 8	< 2	NA	NA	NA	NA

Location Code			89-15(1)											
Sample Date			7/21/1993	1/24/1994	4/27/1994	7/21/1994	10/26/1994	1/12/1995	4/20/1995	7/12/1995	10/19/1995	2/1/1996	4/17/1996	7/17/1996	10/17/1996
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 2500	< 5000	< 5000	< 50	1670	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
1,1,2,2-Tetrachloroethane	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
1,1,2-Trichloroethane	µg/L	1	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
1,1-Dichloroethane	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
1,1-Dichloroethene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
1,2-Dichloroethane	µg/L	0.6	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
1,2-Dichloropropane	µg/L	1	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
2-Butanone	µg/L	50	< 25000	< 50000	< 50000	< 500	< 500	< 2500	< 125000	< 250000	< 125000	< 25000	< 25000	< 62500	< 6200
2-Hexanone	µg/L	50	< 25000	< 50000	< 50000	< 500	< 500	< 2500	< 125000	< 250000	< 125000	< 10000	< 10000	< 25000	< 2500
4-Methyl-2-pentanone	µg/L		< 25000	< 50000	< 50000	< 500	< 500	< 2500	< 125000	< 250000	< 125000	< 10000	< 10000	< 25000	< 2500
Acetone	µg/L	50	< 25000	< 50000	< 50000	< 500	< 500	< 2500	< 125000	< 250000	< 125000	< 25000	< 25000	< 62500	< 6200
Benzene	µg/L	1	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Bromodichloromethane	µg/L	50	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Bromoform	µg/L	50	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Bromomethane	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Carbondisulfide	µg/L	60	< 2500	5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Carbontetrachloride	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Chlorobenzene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Chloroethane	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Chloroform (trichloromethane)	µg/L	7	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Chloromethane	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 2500	< 12500	< 5000	< 5000	< 12500	< 1200
cis-1,2-Dichloroethene	µg/L	5	5700	10500	< 5000	530	4210	4950	< 12500	< 25000	< 12500	12000	17000	< 12500	2000
cis-1,3-Dichloropropene	µg/L	0.4	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Dibromochloromethane	µg/L	50	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Ethylbenzene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Methylene chloride	µg/L	5	149000	228000	65200	1280	394000	448000	332000	524000	330000	72000	180000	120000	20000
o-Xylene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Styrene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Tetrachloroethene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Toluene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
trans-1,2-Dichloroethene	µg/L	5	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Trans-1,3-Dichloropropene	µg/L	0.4	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Trichloroethene	µg/L	5	7540	702000	7520	1520	334000	82300	122000	366000	59000	62000	75000	58000	21000
Vinyl chloride	µg/L	2	< 2500	< 5000	< 5000	< 50	< 50	< 250	< 12500	< 25000	< 12500	< 5000	< 5000	< 12500	< 1200
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			89-15(1)											
Sample Date			1/15/1997	4/30/1997	7/23/1997	10/31/1997	10/29/1998	10/29/1999	10/25/2000	10/9/2001	10/3/2002	10/22/2003	10/11/2004	10/14/2005	10/24/2006
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 120	< 120	64	< 250	< 2500	< 50	< 2500	120	7	< 2000	< 1000	0.9	1200
1,1,2,2-Tetrachloroethane	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	2.6
1,1-Dichloroethane	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	21	< 1	< 2000	< 1000	1.3	42
1,1-Dichloroethene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	26	< 1	< 2000	< 1000	< 1	84
1,2-Dichloroethane	µg/L	0.6	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	1.8
1,2-Dichloropropane	µg/L	1	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
2-Butanone	µg/L	50	< 620	< 620	< 500	< 1200	< 13000	< 500	< 13000	< 10	< 10	< 10000	< 5000	< 5	< 5
2-Hexanone	µg/L	50	< 250	< 250	< 500	< 500	< 5000	< 500	< 5000	< 10	< 10	< 10000	< 5000	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 250	< 250	< 500	< 500	< 5000	< 500	< 5000	< 10	< 10	< 10000	< 5000	< 5	4.3
Acetone	µg/L	50	< 620	< 620	< 500	< 1200	< 13000	< 500	< 13000	< 10	< 10	< 10000	< 5000	< 5	< 5
Benzene	µg/L	1	< 120	< 120	< 25	< 250	< 2500	< 35	< 350	< 0.7	< 0.7	< 2000	< 1000	< 1	1.6
Bromodichloromethane	µg/L	50	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
Bromoform	µg/L	50	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
Bromomethane	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
Carbondisulfide	µg/L	60	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	10	< 1	< 2000	< 1000	< 1	54
Carbontetrachloride	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	41	< 3	< 2000	< 1000	< 1	< 1
Chlorobenzene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
Chloroethane	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 2	< 2000	< 1000	< 1	1.9
Chloroform (trichloromethane)	µg/L	7	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	6	< 1	< 2000	< 1000	< 1	15
Chloromethane	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	2000	860	840	950	750	2600	5000	10000	120	5700	6700	210	16000
cis-1,3-Dichloropropene	µg/L	0.4	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
Dibromochloromethane	µg/L	50	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
Ethylbenzene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	3	< 1	< 2000	< 1000	< 1	5.2
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	2	< 1	< 6000	< 3000	< 2	15
Methylene chloride	µg/L	5	1600	3300	2500	1500	4500	1800	15000	15000	1000	46000	8400	4.8	86000
o-Xylene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	7
Styrene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
Tetrachloroethene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	9	< 1	< 2000	< 1000	< 1	40
Toluene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 5000	13	< 1	< 2000	< 1000	< 1	40
trans-1,2-Dichloroethene	µg/L	5	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	88	< 1	< 2000	< 1000	< 1	65
Trans-1,3-Dichloropropene	µg/L	0.4	< 120	< 120	< 25	< 250	< 2500	< 50	< 2500	< 1	< 1	< 2000	< 1000	< 1	< 1
Trichloroethene	µg/L	5	1700	6100	22000	6900	16000	6600	33000	31000	1700	180000	36000	120	87000
Vinyl chloride	µg/L	2	< 120	< 120	36	< 250	< 2500	270	< 1000	300	2	< 2000	< 1000	< 1	330
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			89-15(1)												
Sample Date			10/7/2007	10/22/2008	10/15/2009	10/10/2010	10/11/2011	11/12/2012	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 100	< 100	63	32	160	< 82	< 160	< 160	< 250	230 J	0.97 J	2.2	< 50
1,1,2,2-Tetrachloroethane	µg/L	5	< 100	< 100	< 0.21	< 0.21	< 0.21	< 21	< 42	< 42	< 250	< 250	< 1	< 1	< 50
1,1,2-Trichloroethane	µg/L	1	< 100	< 100	< 0.23	< 0.23	< 0.23	< 23	< 46	< 46	< 250	< 250	< 1	< 1	< 50
1,1-Dichloroethane	µg/L	5	< 100	< 100	21	13	25	< 38	< 76	< 76	< 250	< 250	3.9	3.7	< 50
1,1-Dichloroethene	µg/L	5	< 100	< 100	22	12	25	< 29	< 58	< 58	< 250	< 250	0.66 J	2.3	< 50
1,2-Dichloroethane	µg/L	0.6	< 100	< 100	< 0.21	< 0.21	< 0.21	< 21	< 42	< 42	< 250	< 250	< 1	< 1	< 50
1,2-Dichloropropane	µg/L	1	< 100	< 100	< 0.32	< 0.72	< 0.72	< 72	< 140	< 140	< 250	< 250	< 1	< 1	< 50
2-Butanone	µg/L	50	< 500	< 500	< 1.3	< 1.3	< 1.3	< 130	< 260	< 260	< 1300	< 1300	< 5	5.3	< 250
2-Hexanone	µg/L	50	< 500	< 500	< 1.2	< 1.2	< 1.2	< 120	< 250	< 250	< 1200	< 1300	< 5	< 5	< 250
4-Methyl-2-pentanone	µg/L		< 500	< 500	< 0.91	< 2.1	< 2.1	< 210	< 420	< 420	< 1200	< 1300	< 5	< 5	< 250
Acetone	µg/L	50	< 500	< 500	< 1.3	< 3	< 3	< 300	< 600	< 600	< 1200	< 1300	< 5	< 5	< 250
Benzene	µg/L	1	< 100	< 100	0.43	< 0.41	< 0.41	< 41	< 82	< 82	< 250	< 250	< 1	0.21 J	< 50
Bromodichloromethane	µg/L	50	< 100	< 100	< 0.39	< 0.39	< 0.39	< 39	< 78	< 78	< 250	130 J	< 1	< 1	< 50
Bromoform	µg/L	50	< 100	< 100	< 0.26	< 0.26	< 0.26	< 26	< 52	< 52	< 250	< 250	< 1	< 1	< 50
Bromomethane	µg/L	5	< 100	< 100	< 0.28	< 0.69	< 0.69	< 69	< 140	< 140	< 250	< 250	< 1	< 1	< 50
Carbondisulfide	µg/L	60	< 100	< 100	4.7	7.9	9.4	< 19	< 38	< 38	< 250	110 J	0.26 J	5.5	49 J
Carbontetrachloride	µg/L	5	< 100	< 100	< 0.27	< 0.27	< 0.27	< 27	< 54	< 54	< 250	< 250	< 1	< 1	< 50
Chlorobenzene	µg/L	5	< 100	< 100	< 0.32	< 0.75	< 0.75	< 75	< 150	< 150	< 250	< 250	< 1	< 1	< 50
Chloroethane	µg/L	5	< 100	< 100	< 0.32	< 0.32	< 0.32	< 32	< 64	< 64	< 250	< 250	< 1	< 1	< 50
Chloroform (trichloromethane)	µg/L	7	< 100	< 100	2.4	1.4	1.3	< 34	< 68	< 68	< 250	410	< 1	1.2	< 50
Chloromethane	µg/L	5	< 100	< 100	< 0.35	< 0.35	< 0.35	< 35	< 70	< 70	< 250	< 250	0.26 J	< 1	< 50
cis-1,2-Dichloroethene	µg/L	5	1000	13000	8500	8800	4200	3100	4000	6400	4800	17000	62	460 D	640
cis-1,3-Dichloropropene	µg/L	0.4	< 100	< 100	< 0.36	< 0.36	< 0.36	< 36	< 72	< 72	< 250	< 250	< 1	< 1	< 50
Dibromochloromethane	µg/L	50	< 100	< 100	< 0.32	< 0.32	< 0.32	< 32	< 64	< 64	< 250	< 250	< 1	< 1	< 50
Ethylbenzene	µg/L	5	< 100	< 100	0.69	< 0.74	< 0.74	< 74	< 150	< 150	< 250	< 250	< 1	< 1	< 50
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 300	< 300	1.1	0.98	0.66	< 66	< 130	< 130	< 750	< 500	< 2	< 2	< 100
Methylene chloride	µg/L	5	7900	13000	22000	16000	< 0.44	14000	32000	36000	25000	110000 D	< 1	360 D	7700
o-Xylene	µg/L	5	< 100	< 100	0.89	0.81	< 0.76	< 76	< 150	< 150	< 250	< 250	< 1	< 1	< 50
Styrene	µg/L	5	< 100	< 100	< 0.18	< 0.73	< 0.73	< 73	< 150	< 150	< 250	< 250	< 1	< 1	< 50
Tetrachloroethene	µg/L	5	< 100	< 100	4	2.2	2	< 36	< 72	< 72	< 250	< 250	< 1	< 1	< 50
Toluene	µg/L	5	< 100	< 100	2.9	2.1	2.2	< 51	< 100	< 100	< 250	< 250	< 1	0.49 J	< 50
trans-1,2-Dichloroethene	µg/L	5	< 100	< 100	21	19	11	< 90	< 180	< 180	< 250	< 250	0.44 J	3	< 50
Trans-1,3-Dichloropropene	µg/L	0.4	< 100	< 100	< 0.37	< 0.37	< 0.37	< 37	< 74	< 74	< 250	< 250	< 1	< 1	< 50
Trichloroethene	µg/L	5	9100	7600	8800	6500	7200	4900	20000	62000	43000	140000 D	5.1	280 D	410
Vinyl chloride	µg/L	2	< 100	250	210	220	150	170	210	200	210	390	20	270 D	550
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			89-15(1)												
Sample Date			3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018	3/27/2019	9/25/2019	1/16/2020	5/26/2020	8/21/2020	10/14/2020	3/19/2021	10/13/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 50	21	1.1 J	1.7	22	< 400	< 400	< 400	< 400	< 400	< 80	97	< 100 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
1,1,2-Trichloroethane	µg/L	1	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
1,1-Dichloroethane	µg/L	5	< 50	3.8 J	4.5	9.3	31	< 400	< 400	< 400	180 J	< 400	46 J	95	68 J J
1,1-Dichloroethene	µg/L	5	< 50	< 5	< 2	1.8	18 J	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
1,2-Dichloroethane	µg/L	0.6	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
1,2-Dichloropropane	µg/L	1	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	NA	< 80	< 100 U
2-Butanone	µg/L	50	< 250	< 25	< 10	2.8 J	< 100	< 4000	< 4000	< 4000	< 4000	< 4000	< 800	< 800	< 1000 U
2-Hexanone	µg/L	50	< 250	< 25	< 10	< 5	< 100	< 2000	< 2000	< 2000	< 2000	< 2000	< 400	< 400	< 500 U
4-Methyl-2-pentanone	µg/L		< 250	< 25	< 10	< 5	< 100	< 2000	< 2000	< 2000	< 2000	< 2000	< 400	< 400	< 500 U
Acetone	µg/L	50	< 250	< 25	6.3 J	< 5	< 100	< 4000	< 4000	< 4000	< 4000	< 4000	< 800	< 800 U+	< 1000 U
Benzene	µg/L	1	< 50	< 5	< 2	0.34 J	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Bromodichloromethane	µg/L	50	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Bromoform	µg/L	50	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Bromomethane	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Carbondisulfide	µg/L	60	310	16	15	200	140	< 400	< 400	< 400	< 400	< 400	< 80	< 80	49 J J
Carbontetrachloride	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Chlorobenzene	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Chloroethane	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Chloroform (trichloromethane)	µg/L	7	< 50	< 5	< 2	1.9	11 J	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Chloromethane	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
cis-1,2-Dichloroethene	µg/L	5	790	150	49	290 D	3100	7000	5700	3800	13000	4100	4000	7900	5900
cis-1,3-Dichloropropene	µg/L	0.4	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Dibromochloromethane	µg/L	50	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Ethylbenzene	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	300 J	NA	NA	NA	170	NA	NA
m,p-xylene	µg/L	5	< 100	< 10	< 4	< 2	< 40	< 800	< 800	< 800	< 800	< 800	< 160	< 160	< 200 U
Methylene chloride	µg/L	5	15000 D	670	11	380 D	14000 D	17000	18000	11000	37000	8300	5300	7700	35000
o-Xylene	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Styrene	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Tetrachloroethene	µg/L	5	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Toluene	µg/L	5	< 50	< 5	< 2	0.47 J	4.2 J	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
trans-1,2-Dichloroethene	µg/L	5	< 50	2 J	1.1 J	4.2	21	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 50	< 5	< 2	< 1	< 20	< 400	< 400	< 400	< 400	< 400	< 80	< 80	< 100 U
Trichloroethene	µg/L	5	510	110	27	130	4400 D	8400	3700	2400	5100	1600	1100	2000	2300
Vinyl chloride	µg/L	2	840	93	38	190 D	1100	1300	1300	770	4200	1800	2000	2400	2600
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	< 800	NA	NA	NA	< 160	NA	NA

Location Code			89-15(1)					
Sample Date			3/23/2022	10/11/2022	3/16/2023	10/18/2023	3/26/2024	10/25/2024
	Units	GPS	Result	Result	Result	Result	Result	Result
VOLATILES								
1,1,1-Trichloroethane	µg/L	5	< 1000 U	< 200 U	< 200 U	2.8	3.6	< 8 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
1,1,2-Trichloroethane	µg/L	1	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
1,1-Dichloroethane	µg/L	5	< 1000 U	< 200 U	< 200 U	26	21	19
1,1-Dichloroethene	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	3.1	< 8 U
1,2-Dichloroethane	µg/L	0.6	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
1,2-Dichloropropane	µg/L	1	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
2-Butanone	µg/L	50	< 10000 U	< 2000 U	< 2000 U	< 20 U	< 20 U	< 80 U
2-Hexanone	µg/L	50	< 5000 U	< 1000 U	< 1000 U	< 10 U	< 10 U	< 40 U
4-Methyl-2-pentanone	µg/L		< 5000 U	< 1000 U	< 1000 U	< 10 U	< 10 U	< 40 U
Acetone	µg/L	50	< 10000 U	< 2000 U	< 2000 U	< 20 U	8.8 J J	< 80 U
Benzene	µg/L	1	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Bromodichloromethane	µg/L	50	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Bromoform	µg/L	50	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U+ U
Bromomethane	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Carbondisulfide	µg/L	60	< 1000 U	< 200 U	< 200 U	< 2 U	3.3	< 8 U
Carbontetrachloride	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U+ U
Chlorobenzene	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Chloroethane	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Chloroform (trichloromethane)	µg/L	7	< 1000 U	< 200 U	< 200 U	< 2 U	1.1 J J	< 8 U
Chloromethane	µg/L	5	< 1000 U	< 200 UF1 UJ	< 200 U	< 2 U	< 2 U	< 8 U+ U
cis-1,2-Dichloroethene	µg/L	5	9000	3300	3100	140	370	38
cis-1,3-Dichloropropene	µg/L	0.4	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Dibromochloromethane	µg/L	50	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U+ U
Ethylbenzene	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2000 U	< 400 U	< 400 U	< 4 U	< 4 U	< 16 U
Methylene chloride	µg/L	5	33000	10000 F1 J-	3400	1.5 J J	7 J+	10
o-Xylene	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Styrene	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Tetrachloroethene	µg/L	5	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Toluene	µg/L	5	< 1000 U	< 200 U	< 200 U	1 J J	1.6 J J	< 8 U
trans-1,2-Dichloroethene	µg/L	5	< 1000 U	< 200 U	< 200 U	7.4	8.8	< 8 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1000 U	< 200 U	< 200 U	< 2 U	< 2 U	< 8 U
Trichloroethene	µg/L	5	1500	670	730	67	200	24
Vinyl chloride	µg/L	2	2900	670	660	130	490	34
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA

Location Code			89-16(1)											
Sample Date			1/24/1994	1/10/1995	1/31/1996	10/15/1996	10/29/1997	10/27/1998	10/27/1999	10/26/2000	10/8/2001	10/1/2002	10/22/2003	10/11/2004	10/14/2005
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 50	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 50	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
Acetone	µg/L	50	< 50	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
Benzene	µg/L	1	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 5	1	< 0.5	< 1	2	< 1	< 1	< 1	0.4	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	0.7	< 1	< 1	< 1	< 1	< 1	0.47	0.4	0.78
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 3	< 3	< 2
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Location Code			89-16(1)				
Sample Date			10/24/2006	10/7/2007	10/22/2008	10/14/2009	10/10/2010
	Units	GPS	Result	Result	Result	Result	Result
VOLATILES							
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 0.26	< 0.82
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 0.21	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 0.23	< 0.23
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 0.38	< 0.38
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 0.29	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 0.21	< 0.21
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 0.32	< 0.72
2-Butanone	µg/L	50	< 5	< 5	< 5	< 1.3	< 1.3
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 1.2	< 1.2
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 0.91	< 2.1
Acetone	µg/L	50	< 5	< 5	< 5	< 1.3	< 3
Benzene	µg/L	1	< 1	< 1	< 1	< 0.41	< 0.41
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 0.39	< 0.39
Bromoform	µg/L	50	< 1	< 1	< 1	< 0.26	< 0.26
Bromomethane	µg/L	5	< 1	< 1	< 1	< 0.28	< 0.69
Carbondisulfide	µg/L	60	< 1	3.6	0.64	1.3	0.86
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 0.27	< 0.27
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 0.32	< 0.75
Chloroethane	µg/L	5	< 1	< 1	< 1	< 0.32	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 0.34	< 0.34
Chloromethane	µg/L	5	< 1	< 1	< 1	< 0.35	< 0.35
cis-1,2-Dichloroethene	µg/L	5	< 1	0.63	0.42	0.66	< 0.81
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.36	< 0.36
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 0.32	< 0.32
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 0.18	< 0.74
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 0.66	< 0.66
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 0.44	< 0.44
o-Xylene	µg/L	5	< 1	< 1	< 1	< 0.36	< 0.76
Styrene	µg/L	5	< 1	< 1	< 1	< 0.18	< 0.73
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 0.36	< 0.36
Toluene	µg/L	5	< 1	< 1	< 1	< 0.51	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 0.42	< 0.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.37	< 0.37
Trichloroethene	µg/L	5	< 1	< 1	< 1	< 0.46	< 0.46
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 0.24	< 0.9

Location Code			89-17(1)												
Sample Date			1/24/1994	1/10/1995	1/30/1996	10/15/1996	10/28/1997	10/28/1998	10/26/1999	10/26/2000	1/24/2002	10/1/2002	10/21/2003	10/11/2004	10/13/2005
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
Acetone	µg/L	50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	4.2	< 5	< 5
Benzene	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	0.56	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 1	4	< 1	34	< 1	0.6	0.64	0.66
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	0.47	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 5	< 1	< 3	< 3	< 2
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Location Code			89-17(1)					
Sample Date			10/24/2006	10/7/2007	10/21/2008	10/14/2009	10/10/2010	11/12/2012
	Units	GPS	Result	Result	Result	Result	Result	Result
VOLATILES								
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 0.26	< 0.82	< 0.82
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 0.38	< 0.38	< 0.38
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 0.29	< 0.29	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 0.32	< 0.72	< 0.72
2-Butanone	µg/L	50	< 5	< 5	< 5	< 1.3	< 1.3	< 1.3
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 1.2	< 1.2	< 1.2
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 0.91	< 2.1	< 2.1
Acetone	µg/L	50	< 5	< 5	< 5	< 1.3	< 3	< 3
Benzene	µg/L	1	< 1	< 1	< 1	< 0.41	< 0.41	< 0.41
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 0.39	< 0.39	< 0.39
Bromoform	µg/L	50	< 1	< 1	< 1	< 0.26	< 0.26	< 0.26
Bromomethane	µg/L	5	< 1	< 1	< 1	< 0.28	< 0.69	< 0.69
Carbondisulfide	µg/L	60	< 1	1.3	1.6	< 0.19	1.6	3
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 0.27	< 0.27	< 0.27
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 0.32	< 0.75	< 0.75
Chloroethane	µg/L	5	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 0.34	< 0.34	< 0.34
Chloromethane	µg/L	5	< 1	< 1	< 1	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 0.38	< 0.81	< 0.81
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 0.18	< 0.74	< 0.74
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 0.66	< 0.66	< 0.66
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 0.44	< 0.44	< 0.44
o-Xylene	µg/L	5	< 1	< 1	< 1	< 0.36	< 0.76	< 0.76
Styrene	µg/L	5	< 1	< 1	< 1	< 0.18	< 0.73	< 0.73
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36
Toluene	µg/L	5	< 1	< 1	< 1	< 0.51	< 0.51	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 0.42	< 0.9	< 0.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.37	< 0.37	< 0.37
Trichloroethene	µg/L	5	< 1	< 1	< 1	< 0.46	< 0.46	< 0.46
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 0.24	< 0.9	< 0.9

Location Code			93-03(1)											
Sample Date			4/1/1993	7/21/1993	10/1/1993	1/24/1994	7/1/1994	1/10/1995	1/29/1996	4/19/1996	7/17/1996	10/16/1996	1/15/1997	4/29/1997	7/22/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,1-Dichloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
2-Butanone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 25	< 25	< 25	< 25	< 10	< 10
2-Hexanone	µg/L	50	< 50	< 5	< 50	< 50	< 50	< 50	< 25	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	µg/L	50	63	108	< 50	< 50	< 50	< 50	< 25	< 25	< 25	< 25	< 25	< 10	< 10
Benzene	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Bromodichloromethane	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Bromoform	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Bromomethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Carbondisulfide	µg/L	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1	0.7
Carbontetrachloride	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Chlorobenzene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Chloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Chloromethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
cis-1,2-Dichloroethene	µg/L	5	11	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	1
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Dibromochloromethane	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Ethylbenzene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Methylene chloride	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
o-Xylene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Styrene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Tetrachloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Toluene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
trans-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Trichloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Vinyl chloride	µg/L	2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			93-03(1)												
Sample Date			10/29/1997	4/22/1998	10/27/1998	10/26/1999	10/27/2000	10/1/2001	10/1/2002	10/21/2003	10/11/2004	10/13/2005	10/24/2006	10/7/2007	10/21/2008
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
2-Butanone	µg/L	50	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 5	< 5	< 25	2.6	< 5	< 5
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 25	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 25	< 5	< 5	< 5
Acetone	µg/L	50	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 5	< 5	28	16	< 5	< 5
Benzene	µg/L	1	< 0.5	< 0.7	< 5	< 0.7	< 0.7	< 0.7	< 0.7	< 1	< 1	< 5	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	2	< 5	1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	2.6	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 3	< 1	< 1	< 5	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 2	< 1	< 1	< 5	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	0.6	< 1	3	1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	2.6	0.48
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 3	< 3	< 10	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 0.5	< 2	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 1	< 5	< 1	< 1	< 1	< 2	< 1	< 1	< 5	< 1.6	< 1	< 1
Vinyl chloride	µg/L	2	< 0.5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			93-03(1)											
Sample Date			10/14/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013	4/11/2014	10/30/2014	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.26	< 0.82	< 0.82	< 0.82	< 0.82	< 1	< 0.82	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 0.21	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 1	< 0.23	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 1	< 0.38	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 1	< 0.29	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 0.21	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.32	< 0.72	< 0.72	< 0.72	< 0.72	< 1	< 0.72	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 5	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 5	< 1.2	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 0.91	< 2.1	< 2.1	< 2.1	< 2.1	< 5	< 2.1	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 1.3	< 3	< 3	< 3	< 3	< 5	< 3	< 5	< 5	< 5	< 5	< 5	< 5
Benzene	µg/L	1	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 1	< 0.41	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 1	< 0.39	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 1	< 0.26	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.28	< 0.69	< 0.69	< 0.69	< 0.69	< 1	< 0.69	< 1	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.19	0.98	0.7	1.4	1.2	< 1	1.2	< 1	4.5	2	0.23	0.33	0.3
Carbontetrachloride	µg/L	5	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 1	< 0.27	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.32	< 0.75	< 0.75	< 0.75	< 0.75	< 1	< 0.75	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 0.32	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1	< 0.34	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 1	< 0.35	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	1.6	0.91	1.2	1.3	< 0.81	< 1	< 0.81	< 1	0.37	< 1	0.9	< 1	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 0.36	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 0.32	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.18	< 0.74	< 0.74	< 0.74	< 0.74	< 1	< 0.74	< 1	< 1	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 2	< 0.66	< 2	< 2	< 2	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 1	< 0.44	< 1	< 1	1.7	< 1	< 1	< 1
o-Xylene	µg/L	5	< 0.36	< 0.76	< 0.76	< 0.76	< 0.76	< 1	< 0.76	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.18	< 0.73	< 0.73	< 0.73	< 0.73	< 1	< 0.73	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 0.36	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 1	< 0.51	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.42	< 0.9	< 0.9	< 0.9	< 0.9	< 1	< 0.9	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 1	< 0.37	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 1	< 0.46	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	µg/L	2	< 0.24	< 0.9	< 0.9	< 0.9	< 0.9	< 1	< 0.9	< 1	< 1	< 1	< 1	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			93-03(1)											
Sample Date			4/18/2018	10/30/2018	9/23/2019	6/29/2020	6/29/2020	10/12/2020	44300	44300.65625	44476.63889	44662	44662.46875	10/3/2022	45027.54167
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1 U
1,2-Dichloropropane	µg/L	1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10 U	< 10 U+ U	< 10 U+F1 U	< 10 U	< 10 UF1 U
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 UF1	< 5 U	< 5 U+ U	< 5 U+F1 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 UF1	< 5 U	< 5 U+ U	< 5 U+F1 U	< 5 U	< 5 U
Acetone	µg/L	50	< 1	< 1	< 10	< 10	< 10	< 10	< 10 U+	< 10 U+F1	< 10 U	< 10 U	< 10 U	3.2 J J	< 10 UF1 U
Benzene	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2 U
Carbondisulfide	µg/L	60	1.3	0.82	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 UF1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 UF1 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 UF1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1 U
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 UF1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U+ U	< 1 U	< 1 U
Trichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1 U
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	µg/L		NA	NA	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NA	NA	NA

Location Code			**93-03(1)**		
Sample Date			10/19/2023	45411.58681	10/22/2024
	Units	GPS	Result	Result	Result
VOLATILES					
1,1,1-Trichloroethane	µg/L	5	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	µg/L	5	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 10 U	< 10 U	< 10 U
Benzene	µg/L	1	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 1 U	< 1 U	0.32 J J
Carbontetrachloride	µg/L	5	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA
m,p-xylene	µg/L	5	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1 U	< 1 U	< 1 U
Toluene	µg/L	5	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	< 1 U	< 1 U	< 1 U
Vinyl chloride	µg/L	2	< 1 U	< 1 U	< 1 U
Xylene (total)	µg/L		NA	NA	NA

Location Code			94-02(1)												
Sample Date			1/9/1995	1/30/1996	10/15/1996	10/29/1997	10/27/1998	10/26/1999	10/27/2000	1/24/2002	10/1/2002	10/22/2003	10/11/2004	10/13/2005	10/24/2006
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 50	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 50	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 50	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Benzene	µg/L	1	< 5	< 5	< 5	< 0.5	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 5	< 5	< 5	< 0.5	< 1	3	< 1	< 1	< 1	< 1	0.43	< 1	< 1
Carbontetrachloride	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-xylene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 5	< 1	< 3	< 3	< 2	< 2
Methylene chloride	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Vinyl chloride	µg/L	2	< 5	< 5	< 5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Location Code			94-02(1)				
Sample Date			10/7/2007	10/21/2008	10/14/2009	10/10/2010	11/12/2012
	Units	GPS	Result	Result	Result	Result	Result
VOLATILES							
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 0.26	< 0.82	< 0.92
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 0.21	< 0.21	< 0.21
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 0.38	< 0.38	< 0.38
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 0.29	< 0.29	< 0.29
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 0.21	< 0.21	< 0.21
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 0.32	< 0.72	< 0.72
2-Butanone	µg/L	50	< 5	< 5	< 1.3	< 1.3	< 1.3
2-Hexanone	µg/L	50	< 5	< 5	< 1.2	< 1.2	< 1.2
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 0.91	< 2.1	< 2.1
Acetone	µg/L	50	< 5	< 5	< 1.3	< 3	< 3
Benzene	µg/L	1	< 1	< 1	< 0.41	< 0.41	< 0.41
Bromodichloromethane	µg/L	50	< 1	< 1	< 0.39	< 0.39	< 0.39
Bromoform	µg/L	50	< 1	< 1	< 0.26	< 0.26	< 0.26
Bromomethane	µg/L	5	< 1	< 1	< 0.28	< 0.69	< 0.69
Carbondisulfide	µg/L	60	3.8	1.7	1	8.5	1.4
Carbontetrachloride	µg/L	5	< 1	< 1	< 0.27	< 0.27	< 0.27
Chlorobenzene	µg/L	5	< 1	< 1	< 0.32	< 0.75	< 0.75
Chloroethane	µg/L	5	< 1	< 1	< 0.32	< 0.32	< 0.32
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 0.34	< 0.34	< 0.34
Chloromethane	µg/L	5	< 1	< 1	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	µg/L	5	< 1	< 1	0.67	< 0.81	< 0.81
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 0.36	< 0.36	< 0.36
Dibromochloromethane	µg/L	50	< 1	< 1	< 0.32	< 0.32	< 0.32
Ethylbenzene	µg/L	5	< 1	< 1	< 0.18	< 0.74	< 0.74
m,p-xylene	µg/L	5	< 2	< 2	< 0.66	< 0.66	< 0.66
Methylene chloride	µg/L	5	< 1	< 1	< 0.44	< 0.44	< 0.44
o-Xylene	µg/L	5	< 1	< 1	< 0.36	< 0.76	< 0.76
Styrene	µg/L	5	< 1	< 1	< 0.18	< 0.73	< 0.73
Tetrachloroethene	µg/L	5	< 1	< 1	< 0.36	< 0.36	< 0.36
Toluene	µg/L	5	< 1	< 1	< 0.51	< 0.51	< 0.51
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 0.42	< 0.9	< 0.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 0.37	< 0.37	< 0.37
Trichloroethene	µg/L	5	< 1	< 1	< 0.46	< 0.46	< 0.46
Vinyl chloride	µg/L	2	< 1	< 1	< 0.24	< 0.9	< 0.9

Location Code			96-01(1)									
Sample Date			5/23/2017	12/10/2018	3/26/2019	1/17/2020	5/27/2020	8/18/2020	3/16/2021	10/5/2021	3/23/2022	10/6/2022
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES												
1,1,1-Trichloroethane	µg/L	5	48	40	44	55	37 J	130	32	32	13	25
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
1,1-Dichloroethane	µg/L	5	29	29	35	44	< 40	110	24	27	11	19 J J
1,1-Dichloroethene	µg/L	5	< 5	2 J	< 10	6.3 J	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 10	< 10	< 40	< 40	< 20	NA	< 2 U	< 20 U
2-Butanone	µg/L	50	< 25	< 25	< 100	< 100	< 400	< 400	< 200	< 200 U	< 20 U	< 200 U
2-Hexanone	µg/L	50	< 25	< 25	< 50	< 50	< 200	< 200	< 100	< 100 U	< 10 U	< 100 U
4-Methyl-2-pentanone	µg/L		< 25	< 25	< 50	< 50	< 200	< 200	< 100	< 100 U	< 10 U	< 100 U
Acetone	µg/L	50	< 25	< 25	< 100	< 100	< 400	< 400	< 200	< 200 U	< 20 U	< 200 U+ U
Benzene	µg/L	1	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Bromodichloromethane	µg/L	50	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Bromoform	µg/L	50	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Bromomethane	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Carbondisulfide	µg/L	60	< 5	11	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Carbontetrachloride	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Chlorobenzene	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Chloroethane	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Chloromethane	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
cis-1,2-Dichloroethene	µg/L	5	710	360	460	2100	720	1800	310	250	110	70
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Dibromochloromethane	µg/L	50	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Ethylbenzene	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	51	NA	NA
m,p-xylene	µg/L	5	< 10	< 10	< 20	< 20	< 80	< 80	< 40	< 40 U	< 4 U	< 40 U
Methylene chloride	µg/L	5	21	120	410	97	710	< 40	370	19 J J	1.2 J J	160
o-Xylene	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Styrene	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Tetrachloroethene	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Toluene	µg/L	5	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
trans-1,2-Dichloroethene	µg/L	5	4.4 J	5.5 J	< 10	9.8 J	< 40	< 40	< 20	< 20 U	1.8 J J	< 20 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 10	< 10	< 40	< 40	< 20	< 20 U	< 2 U	< 20 U
Trichloroethene	µg/L	5	17	29	25	60	33 J	42	9.8 J	< 20 U	4.6	< 20 U
Vinyl chloride	µg/L	2	700	500	610	1200	800	3600	850	820	160	490

Location Code			B-10A(1)											
Sample Date			5/23/2017	11/14/2017	1/23/2018	1/24/2018	2/27/2018	2/28/2018	3/20/2018	3/21/2018	6/20/2018	9/20/2018	12/12/2018	3/28/2019	1/15/2020
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	780	930	1100	1100	850	850	1300	1300	730	1300	1500	1300	1200
1,1,2,2-Tetrachloroethane	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
1,1,2-Trichloroethane	µg/L	1	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
1,1-Dichloroethane	µg/L	5	350 J	450 J	430 J	430 J	370	370	380 J	380 J	180 J	360	300	320 J	< 500
1,1-Dichloroethene	µg/L	5	310 J	380 J	380 J	380 J	310	310	410 J	410 J	200 J	360	290	310 J	280 J
1,2-Dichloroethane	µg/L	0.6	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
1,2-Dichloropropane	µg/L	1	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
2-Butanone	µg/L	50	< 2500	< 2500	< 2500	< 2500	< 1000	< 1000	< 2500	< 2500	< 1300	< 1300	< 1300	< 5000	< 5000
2-Hexanone	µg/L	50	< 2500	< 2500	< 2500	< 2500	< 1000	< 1000	< 2500	< 2500	< 1300	< 1300	< 1300	< 2500	< 2500
4-Methyl-2-pentanone	µg/L		< 2500	< 2500	< 2500	< 2500	< 1000	< 1000	< 2500	< 2500	< 1300	< 1300	< 1300	< 2500	< 2500
Acetone	µg/L	50	< 2500	< 2500	< 2500	< 2500	< 1000	< 1000	< 2500	< 2500	< 1300	< 1300	< 1300	< 5000	< 5000
Benzene	µg/L	1	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Bromodichloromethane	µg/L	50	210 J	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Bromoform	µg/L	50	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Bromomethane	µg/L	5	< 500	170 J	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Carbondisulfide	µg/L	60	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	240 J	< 250	< 500	< 500
Carbontetrachloride	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Chlorobenzene	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Chloroethane	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Chloroform (trichloromethane)	µg/L	7	980	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Chloromethane	µg/L	5	< 500	170 J	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
cis-1,2-Dichloroethene	µg/L	5	20000	22000	70000	70000	65000 D	65000 D	52000	52000	37000	52000 D	31000	33000	44000
cis-1,3-Dichloropropene	µg/L	0.4	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Dibromochloromethane	µg/L	50	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Ethylbenzene	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
m,p-xylene	µg/L	5	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 500	< 500	< 500	< 1000	< 1000
Methylene chloride	µg/L	5	3300	6000	3700	3700	2200	2200	3000	3000	740	9500	6200	1200	< 500
o-Xylene	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Styrene	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Tetrachloroethene	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Toluene	µg/L	5	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
trans-1,2-Dichloroethene	µg/L	5	< 500	180 J	250 J	250 J	190 J	190 J	200 J	200 J	87 J	140 J	140 J	< 500	< 500
Trans-1,3-Dichloropropene	µg/L	0.4	< 500	< 500	< 500	< 500	< 200	< 200	< 500	< 500	< 250	< 250	< 250	< 500	< 500
Trichloroethene	µg/L	5	58000	64000	28000	28000	17000	17000	33000	33000	12000	23000	38000	34000	5900
Vinyl chloride	µg/L	2	430 J	380 J	510	510	440	440	370 J	370 J	750	2400	1700	2200	6300

Location Code			B-10A(1)										
Sample Date			5/27/2020	8/20/2020	3/18/2021	10/12/2021	3/22/2022	10/7/2022	3/20/2023	10/19/2023	3/25/2024	3/25/2024	10/24/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES													
1,1,1-Trichloroethane	µg/L	5	< 1000	< 1000	1100	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	33	< 400 U	< 400 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
1,1,2-Trichloroethane	µg/L	1	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
1,1-Dichloroethane	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	260 J J	< 1000 U	200 J J	170 J J	93 J J	< 400 U	150 J J
1,1-Dichloroethene	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	32	< 400 U	< 400 U
1,2-Dichloroethane	µg/L	0.6	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
1,2-Dichloropropane	µg/L	1	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
2-Butanone	µg/L	50	< 10000	< 10000	< 10000	< 10000 U	< 5000 U	< 10000 U	< 4000 U	< 4000 U	< 10 U	< 4000 U	< 4000 U
2-Hexanone	µg/L	50	< 5000	< 5000	< 5000	< 5000 U	< 2500 U	< 5000 U	< 2000 U	< 2000 U	< 5 U	< 2000 U	< 2000 U
4-Methyl-2-pentanone	µg/L		< 5000	< 5000	< 5000	< 5000 U	< 2500 U	< 5000 U	< 2000 U	< 2000 U	< 5 U	< 2000 U	< 2000 U
Acetone	µg/L	50	< 10000	< 10000	< 10000 U+	< 10000 U+ U	< 5000 U	< 10000 U	< 4000 U	< 4000 U	4.1 J J	< 4000 U	< 4000 U
Benzene	µg/L	1	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	2.9	< 400 U	< 400 U
Bromodichloromethane	µg/L	50	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Bromoform	µg/L	50	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Bromomethane	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Carbondisulfide	µg/L	60	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	0.9 J J	< 400 U	< 400 U
Carbontetrachloride	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Chlorobenzene	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Chloroethane	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Chloroform (trichloromethane)	µg/L	7	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Chloromethane	µg/L	5	< 1000	< 1000	< 1000	< 1000 U+ U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
cis-1,2-Dichloroethene	µg/L	5	34000	38000	36000	30000	30000	30000	9200	14000	4600	5000	5900
cis-1,3-Dichloropropene	µg/L	0.4	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Dibromochloromethane	µg/L	50	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Ethylbenzene	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	6.1	< 400 U	< 400 U
m,p-xylene	µg/L	5	< 2000	< 2000	< 2000	< 2000 U	< 1000 U	< 2000 U	< 800 U	< 800 U	8.7	< 800 U	< 800 U
Methylene chloride	µg/L	5	< 1000	5100	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	300 J J
o-Xylene	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	8.1	< 400 U	< 400 U
Styrene	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Tetrachloroethene	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Toluene	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	4.9	< 400 U	< 400 U
trans-1,2-Dichloroethene	µg/L	5	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	90	< 400 U	< 400 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1000	< 1000	< 1000	< 1000 U	< 500 U	< 1000 U	< 400 U	< 400 U	< 1 U	< 400 U	< 400 U
Trichloroethene	µg/L	5	14000	16000	18000	3100	460 J J	1400	< 400 U	600	15	< 400 U	< 400 U
Vinyl chloride	µg/L	2	4700	3800	2800	9700	13000	14000	15000	13000	9200	9900	9400

Location Code			B-14(1)											
Sample Date			4/1/1994	7/1/1994	10/1/1994	1/12/1995	4/19/1995	7/11/1995	10/18/1995	2/1/1996	4/17/1996	7/17/1996	10/16/1996	1/15/1997	4/30/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	125	< 25	100	73	59	101	170	57	56	89	70	65	73
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
1,1,2-Trichloroethane	µg/L	1	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
1,1-Dichloroethane	µg/L	5	26	< 25	< 25	15	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	17
1,1-Dichloroethene	µg/L	5	8	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
1,2-Dichloroethane	µg/L	0.6	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
1,2-Dichloropropane	µg/L	1	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
2-Butanone	µg/L	50	< 50	< 250	< 250	< 50	< 250	< 250	< 500	< 250	< 125	< 125	< 120	< 120	< 50
2-Hexanone	µg/L	50	< 50	< 250	< 250	< 50	< 250	< 250	< 500	< 250	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone	µg/L		< 50	< 250	< 250	< 50	< 250	< 250	< 500	< 250	< 50	< 50	< 50	< 50	< 50
Acetone	µg/L	50	< 50	< 250	< 250	< 50	< 250	< 250	< 500	< 250	< 125	< 125	< 120	< 120	< 50
Benzene	µg/L	1	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Bromodichloromethane	µg/L	50	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Bromoform	µg/L	50	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Bromomethane	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Carbondisulfide	µg/L	60	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Carbontetrachloride	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Chlorobenzene	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Chloroethane	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Chloroform (trichloromethane)	µg/L	7	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Chloromethane	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
cis-1,2-Dichloroethene	µg/L	5	778	765	702	700	716	681	1400	680	620	740	600	590	640
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Dibromochloromethane	µg/L	50	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Ethylbenzene	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Methylene chloride	µg/L	5	54	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
o-Xylene	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Styrene	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Tetrachloroethene	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Toluene	µg/L	5	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
trans-1,2-Dichloroethene	µg/L	5	7	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	5
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 25	< 25	< 5	< 25	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 2.5
Trichloroethene	µg/L	5	78	58	< 25	10	< 25	< 25	< 50	< 50	< 25	< 25	26	< 25	7
Vinyl chloride	µg/L	2	115	119	118	110	109	131	350	140	120	120	120	120	130
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			B-14(1)											
Sample Date			7/23/1997	10/30/1997	10/29/1998	10/29/1999	10/25/2000	10/9/2001	10/3/2002	10/21/2003	10/11/2004	10/13/2005	10/24/2006	10/7/2007	10/22/2008
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	63	79	33	32	26	49	970	240	110	120	49	11	11
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	16	< 25	9	9	< 25	12	150	53	24	28	14	4.8	5.2
1,1-Dichloroethene	µg/L	5	3	< 25	2	< 5	< 25	< 1	< 100	< 100	< 50	7	4	1.3	1.3
1,2-Dichloroethane	µg/L	0.6	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 50	< 120	< 25	< 50	< 130	< 10	< 1000	< 500	< 250	< 5	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 50	< 50	< 10	< 50	< 50	< 10	< 1000	< 500	< 250	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 10	< 50	< 50	< 10	< 1000	< 500	< 250	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 50	< 120	< 25	< 50	< 130	< 10	< 1000	< 500	< 250	4.9	< 5	< 5	< 5
Benzene	µg/L	1	< 2	< 25	< 5	< 4	< 4	< 0.7	< 70	< 100	< 250	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 2	< 25	< 5	< 5	< 25	400	< 100	< 100	< 50	< 1	< 1	7	0.79
Carbontetrachloride	µg/L	5	< 2	< 25	< 5	< 5	< 25	24	< 300	< 100	< 50	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 200	< 100	< 50	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	600	710	380	390	320	470	3500	2800	1200	1200	700	340	300
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 300	< 150	< 2	< 2	< 2	< 2
Methylene chloride	µg/L	5	3	< 25	< 5	< 5	< 25	200	< 100	1100	< 50	0.48	< 6	< 1	< 1
o-Xylene	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 2	< 25	2	< 5	< 25	3	< 100	< 100	< 50	4.8	2.6	1.4	1.7
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 25	< 5	< 5	< 25	< 1	< 100	< 100	< 50	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	5	< 25	3	5	< 25	200	610	320	16	37	26	1.4	1.7
Vinyl chloride	µg/L	2	110	140	100	130	76	140	310	300	240	430	110	74	210
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			B-14(1)											
Sample Date			10/15/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013	10/30/2014	10/22/2015	10/20/2016	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	6.7	2.6	140	300	210	120	110	81	75	52	73	58	64
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.21	< 0.21	< 0.21	< 2.1	< 1.1	< 0.84	< 2	< 1	< 2	< 2	< 1	< 2	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.23	< 0.23	< 0.23	< 2.3	< 1.2	< 0.92	< 2	< 1	< 2	< 2	< 1	< 2	< 1
1,1-Dichloroethane	µg/L	5	4.2	2.5	17	44	39	25	25	20	18	15	22	16	17
1,1-Dichloroethene	µg/L	5	0.86	< 0.29	< 14	5	11	3	2	1.3	1.8 J	< 2	1.2	< 2	0.93 J
1,2-Dichloroethane	µg/L	0.6	< 0.21	< 0.21	< 0.21	< 2.1	< 1.1	< 0.84	< 2	< 1	< 2	< 2	< 1	< 2	< 1
1,2-Dichloropropane	µg/L	1	< 0.32	< 0.72	< 0.72	< 7.2	< 3.6	< 2.9	< 2	< 1	< 2	< 2	< 1	< 2	< 1
2-Butanone	µg/L	50	< 1.3	< 1.3	< 1.3	< 13	< 6.6	< 5.3	< 10	< 5	< 10	< 10	< 5	< 10	< 5
2-Hexanone	µg/L	50	< 1.2	< 1.2	< 1.2	< 12	< 6.2	< 5	< 10	< 5	< 10	< 10	< 5	< 10	< 5
4-Methyl-2-pentanone	µg/L		< 0.91	< 2.1	< 2.1	< 21	< 11	< 8.4	< 10	< 5	< 10	< 10	< 5	< 10	< 5
Acetone	µg/L	50	< 1.3	< 3	< 3	< 30	< 15	< 12	< 10	1.6 J	< 10	< 10	1.4 J	4.6 J	< 5
Benzene	µg/L	1	< 0.41	< 0.41	< 0.41	< 4.1	< 2.1	< 1.6	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Bromodichloromethane	µg/L	50	< 0.39	< 0.39	< 0.39	< 3.9	< 2	< 1.6	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Bromoform	µg/L	50	< 0.26	< 0.26	< 0.26	< 2.6	< 1.3	< 1	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Bromomethane	µg/L	5	< 0.28	< 0.69	< 0.69	< 6.9	< 3.5	< 2.8	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Carbondisulfide	µg/L	60	0.77	1	4.1	< 1.9	< 0.95	< 0.76	4.7	0.71 J	0.64 J	3.1	1.1 B	< 2	< 1
Carbontetrachloride	µg/L	5	< 0.27	< 0.27	< 0.27	< 2.7	< 1.4	< 1.1	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Chlorobenzene	µg/L	5	< 0.32	< 0.75	< 0.75	< 7.5	< 3.8	< 3	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Chloroethane	µg/L	5	< 0.32	< 0.32	< 0.32	< 3.2	< 1.6	< 1.3	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.34	< 0.34	< 0.34	< 3.4	< 1.7	< 1.4	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Chloromethane	µg/L	5	< 0.35	< 0.35	< 0.35	< 3.5	< 1.8	< 1.4	< 2	< 1	< 2	< 2	< 1	< 2	< 1
cis-1,2-Dichloroethene	µg/L	5	170	140	760	530	280	220	170	170	140	100	150	120	97
cis-1,3-Dichloropropene	µg/L	0.4	< 0.36	< 0.36	< 0.36	< 3.6	< 1.8	< 1.4	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Dibromochloromethane	µg/L	50	< 0.32	< 0.32	< 0.32	< 3.2	< 1.6	< 1.3	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Ethylbenzene	µg/L	5	< 0.18	< 0.74	< 0.74	< 7.4	< 3.7	< 3	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.66	< 0.66	0.66	< 6.6	< 3.3	< 2.6	< 6	< 2	< 4	< 4	< 2	< 4	< 2
Methylene chloride	µg/L	5	1.5	< 0.44	< 0.44	4.4	< 2.2	< 1.8	< 2	< 1	< 2	< 2	< 1	< 2	< 1
o-Xylene	µg/L	5	< 0.36	< 0.76	< 0.76	< 7.6	< 3.8	< 3	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Styrene	µg/L	5	< 0.18	< 0.73	< 0.73	< 7.3	< 3.7	< 2.9	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Tetrachloroethene	µg/L	5	< 0.36	< 0.36	< 0.36	< 3.6	< 1.8	< 1.4	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Toluene	µg/L	5	< 0.51	< 0.51	< 0.51	< 5.1	< 2.6	< 2	< 2	< 1	< 2	< 2	< 1	< 2	< 1
trans-1,2-Dichloroethene	µg/L	5	1.2	0.98	2.3	< 9	< 4.5	< 3.6	2.1	1.8	1.8 J	1.6 J	2.1	1.5 J	1.3
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.37	< 0.37	< 0.37	< 3.7	< 1.9	< 1.5	< 2	< 1	< 2	< 2	< 1	< 2	< 1
Trichloroethene	µg/L	5	4.5	1.5	4.5	9	2.8	2	2.2	1.8	1.8 J	1.6 J	2.5	1.7 J	1.5
Vinyl chloride	µg/L	2	98	98	340	290	330	220	220	180	190	180	240 D	180	170
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			B-14(1)											
Sample Date			9/18/2018	10/30/2018	12/11/2018	3/27/2019	9/24/2019	1/15/2020	5/26/2020	8/19/2020	10/13/2020	3/17/2021	10/6/2021	3/21/2022	10/5/2022
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	81	41	54	45	62	42	39	42	28	26	30	51	33
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
1,1-Dichloroethane	µg/L	5	24	14	14	15	20	14	13	17	14	10	11	21	14
1,1-Dichloroethene	µg/L	5	1.6	0.8 J	0.88 J	2.3 J	1.2 J	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
1,2-Dichloropropane	µg/L	1	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	NA	< 4	NA	< 4 U	< 4 U
2-Butanone	µg/L	50	< 5	< 10	< 10	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40 U	< 40 U	< 40 U
2-Hexanone	µg/L	50	< 5	< 10	< 10	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20 U	< 20 U	< 20 U
4-Methyl-2-pentanone	µg/L		< 5	< 10	< 10	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20 U	< 20 U	< 20 U
Acetone	µg/L	50	4 J	< 10	< 10	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40 U	< 40 U	< 40 U
Benzene	µg/L	1	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Bromodichloromethane	µg/L	50	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Bromoform	µg/L	50	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Bromomethane	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Carbondisulfide	µg/L	60	2.1	2.5	3.1	< 4	8.3	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Carbontetrachloride	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Chlorobenzene	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Chloroethane	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Chloromethane	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	µg/L	5	170	140	110	160	150	110	96	120	110	100	100	140	130
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Dibromochloromethane	µg/L	50	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Ethylbenzene	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Freon 113	µg/L		NA	NA	NA	NA	< 4	NA	NA	NA	< 4	NA	< 4 U	NA	NA
m,p-xylene	µg/L	5	< 2	< 4	< 4	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8 U	< 8 U	< 8 U
Methylene chloride	µg/L	5	2.1	< 2	< 2	< 4	17	< 4	< 4	< 4	< 4	< 4	2.2 J J	2.3 J J	< 4 U
o-Xylene	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Styrene	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Tetrachloroethene	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Toluene	µg/L	5	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
trans-1,2-Dichloroethene	µg/L	5	1.9	1.8 J	1.5 J	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 2	< 2	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 U	< 4 U	< 4 U
Trichloroethene	µg/L	5	53	1.2 J	4.2	1.9 J	< 4	< 4	< 4	< 4	< 4	1.8 J	< 4 U	< 4 U	< 4 U
Vinyl chloride	µg/L	2	200 D	170	160	210	230	150	160	200	190	170	140	310	310
Xylene (total)	µg/L		NA	NA	NA	NA	< 8	NA	NA	NA	< 8	NA	NA	NA	NA

			Location Code	B-14(1)
			Sample Date	10/17/2023	10/23/2024
	Units	GPS	Result	Result
VOLATILES				
1,1,1-Trichloroethane	µg/L	5	< 4 U	24
1,1,2,2-Tetrachloroethane	µg/L	5	< 4 U	< 4 U
1,1,2-Trichloroethane	µg/L	1	< 4 U	< 4 U
1,1-Dichloroethane	µg/L	5	8.4	9.6
1,1-Dichloroethene	µg/L	5	< 4 U	< 4 U
1,2-Dichloroethane	µg/L	0.6	< 4 U	< 4 U
1,2-Dichloropropane	µg/L	1	< 4 U	< 4 U
2-Butanone	µg/L	50	< 40 U	< 40 U
2-Hexanone	µg/L	50	< 20 U	< 20 U
4-Methyl-2-pentanone	µg/L		< 20 U	< 20 U
Acetone	µg/L	50	< 40 U	< 40 U
Benzene	µg/L	1	< 4 U	< 4 U
Bromodichloromethane	µg/L	50	< 4 U	< 4 U
Bromoform	µg/L	50	< 4 U	< 4 U
Bromomethane	µg/L	5	< 4 U	< 4 U
Carbondisulfide	µg/L	60	< 4 U	< 4 U
Carbontetrachloride	µg/L	5	< 4 U	< 4 U
Chlorobenzene	µg/L	5	< 4 U	< 4 U
Chloroethane	µg/L	5	< 4 U	< 4 U
Chloroform (trichloromethane)	µg/L	7	< 4 U	< 4 U
Chloromethane	µg/L	5	< 4 U	< 4 U
cis-1,2-Dichloroethene	µg/L	5	23	62
cis-1,3-Dichloropropene	µg/L	0.4	< 4 U	< 4 U
Dibromochloromethane	µg/L	50	< 4 U	< 4 U
Ethylbenzene	µg/L	5	< 4 U	< 4 U
Freon 113	µg/L		NA	NA
m,p-xylene	µg/L	5	< 8 U	< 8 U
Methylene chloride	µg/L	5	< 4 U	3.2 J J
o-Xylene	µg/L	5	< 4 U	< 4 U
Styrene	µg/L	5	< 4 U	< 4 U
Tetrachloroethene	µg/L	5	< 4 U	< 4 U
Toluene	µg/L	5	< 4 U	< 4 U
trans-1,2-Dichloroethene	µg/L	5	< 4 U	< 4 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 4 U	< 4 U
Trichloroethene	µg/L	5	< 4 U	< 4 U
Vinyl chloride	µg/L	2	99	94
Xylene (total)	µg/L		NA	NA

Location Code			B-8(0)											
Sample Date			1/11/1995	2/1/1996	10/16/1996	10/30/1997	10/30/1998	10/29/1999	10/25/2000	10/10/2001	10/4/2002	10/22/2003	10/11/2004	10/13/2005	10/24/2006
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 1	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 10	< 10	< 10	12	< 25	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Benzene	µg/L	1	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 0.7	< 0.7	< 0.7	< 0.7	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4.8
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 3	< 3	< 2	< 2
Methylene chloride	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 3.2
o-Xylene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 2	0.67	1.9	0.73	45
Vinyl chloride	µg/L	2	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			B-8(0)											
Sample Date			10/7/2007	10/22/2008	10/15/2009	10/10/2010	11/12/2012	10/30/2014	10/20/2016	10/31/2018	10/14/2020	**10/7/2022**	10/24/2024	12/17/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES														
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 0.26	< 0.82	< 0.82	< 0.82	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 0.38	< 0.38	< 0.38	< 0.38	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 0.29	< 0.29	< 0.29	< 0.29	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 0.32	< 0.72	< 0.72	< 0.72	< 1	< 1	NA	< 1 U	< 1 U	NA
2-Butanone	µg/L	50	< 5	< 5	< 1.3	< 1.3	< 1.3	< 1.3	< 5	< 5	< 10	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5	< 5	< 1.2	< 1.2	< 1.2	< 1.2	< 5	< 5	< 5	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 0.91	< 2.1	< 2.1	< 2.1	< 5	< 5	< 5	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 5	< 5	< 1.3	< 3	< 3	< 3	< 5	3.1 J	< 10	3 J J	< 10 U	< 10 U
Benzene	µg/L	1	< 1	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 0.39	< 0.39	< 0.39	< 0.39	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 1	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 0.28	< 0.69	< 0.69	< 0.69	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 1	< 1	< 0.19	< 0.19	< 0.19	< 0.19	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 1	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 0.32	< 0.75	< 0.75	< 0.75	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 0.34	< 0.34	< 0.34	< 0.34	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	< 1	36	< 0.38	< 0.81	< 0.81	< 0.81	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 0.18	< 0.74	< 0.74	< 0.74	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	< 1 U
m,p-xylene	µg/L	5	< 2	< 2	< 0.66	< 0.66	< 0.66	< 0.66	< 2	< 2	< 2	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1	< 0.44	< 0.44	< 0.44	< 0.44	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 1	< 0.36	< 0.76	< 0.76	< 0.76	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1	< 0.18	< 0.73	< 0.73	< 0.73	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Toluene	µg/L	5	< 1	< 1	< 0.51	< 0.51	< 0.51	< 0.51	0.32	0.32	< 1	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 0.42	< 0.9	< 0.9	< 0.9	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	< 1	64	< 0.46	< 0.46	< 0.46	< 0.46	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Vinyl chloride	µg/L	2	< 1	< 1	< 0.24	< 0.9	< 0.9	< 0.9	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	< 2 U

Location Code			DW-10												
Sample Date			1/13/1995	2/5/1996	10/18/1996	10/30/1997	4/23/1998	10/29/1998	10/29/1999	10/25/2000	10/9/2001	10/3/2002	10/22/2003	10/11/2004	10/24/2006
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	150	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	58	51	< 200	< 100	10
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
1,1-Dichloroethane	µg/L	5	17	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	8	< 20	< 200	< 100	5.6
1,1-Dichloroethene	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	4	< 20	< 200	< 100	2.4
1,2-Dichloroethane	µg/L	0.6	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
2-Butanone	µg/L	50	< 50	< 6250	< 6200	< 5000	< 2000	< 2000	< 2500	< 1300	< 10	< 200	< 1000	< 500	< 5
2-Hexanone	µg/L	50	< 50	< 6250	< 2500	< 2000	< 2000	< 2000	< 1000	< 500	< 10	< 200	< 1000	< 500	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 6250	< 2500	< 2000	< 2000	< 2000	< 1000	< 500	< 10	< 200	< 1000	< 500	< 5
Acetone	µg/L	50	< 50	< 6250	< 6200	< 5000	< 2000	< 2000	< 2500	< 1300	< 10	< 200	< 1000	< 500	< 5
Benzene	µg/L	1	< 5	< 1250	< 1200	< 1000	< 140	< 140	< 70	< 35	< 0.7	< 14	< 200	< 100	< 1
Bromodichloromethane	µg/L	50	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Bromoform	µg/L	50	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Bromomethane	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Carbondisulfide	µg/L	60	< 5	< 1250	< 1200	< 1000	210	< 200	< 500	< 250	1	< 20	< 200	< 100	< 1
Carbontetrachloride	µg/L	5	22	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	27	< 60	< 200	< 100	< 1
Chlorobenzene	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Chloroethane	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 40	< 200	< 100	< 1
Chloroform (trichloromethane)	µg/L	7	7	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	6	< 20	< 200	< 100	0.84
Chloromethane	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
cis-1,2-Dichloroethene	µg/L	5	2150	3300	< 1200	< 1000	610	1400	670	1300	710	600	220	520	350
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Dibromochloromethane	µg/L	50	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Ethylbenzene	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 600	< 300	< 2
Methylene chloride	µg/L	5	27400	45000	14000	19000	15000	17000	16000	7300	19000	2800	4300	2700	2300
o-Xylene	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Styrene	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Tetrachloroethene	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Toluene	µg/L	5	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	2	< 20	< 200	< 100	< 1
trans-1,2-Dichloroethene	µg/L	5	16	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	6	< 20	< 200	< 100	2.9
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 1250	< 1200	< 1000	< 200	< 200	< 500	< 250	< 1	< 20	< 200	< 100	< 1
Trichloroethene	µg/L	5	3890	4100	< 1200	1300	950	1500	< 500	930	1100	300	160	240	150
Vinyl chloride	µg/L	2	136	< 1250	< 1200	< 1000	< 200	< 200	< 200	< 100	64	49	< 200	< 100	71
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			DW-10											
Sample Date			10/7/2007	10/22/2008	10/15/2009	10/10/2010	10/11/2011	11/12/2012	10/23/2013	10/30/2014	10/30/2015	10/20/2016	11/14/2017	1/24/2018	2/28/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	31	27	29	56	270	0.99	9.2	< 16	60	57	0.48 J	18	< 50
1,1,2,2-Tetrachloroethane	µg/L	5	< 20	< 10	< 4.3	< 0.21	< 0.21	< 0.21	< 0.21	< 4.2	< 10	< 10	< 1	< 1	< 50
1,1,2-Trichloroethane	µg/L	1	< 20	< 10	< 4.6	< 0.23	< 0.23	< 0.23	< 0.23	< 4.6	< 10	< 10	< 1	0.75 J	< 50
1,1-Dichloroethane	µg/L	5	9.8	< 10	< 7.7	12	19	< 0.38	11	7.6	14	12	< 1	15	< 50
1,1-Dichloroethene	µg/L	5	< 20	< 10	< 5.9	4.6	18	< 0.2	3.6	< 5.8	< 10	5.9 J	< 1	17	< 50
1,2-Dichloroethane	µg/L	0.6	< 20	< 10	< 4.3	< 0.21	< 0.21	< 0.21	< 0.21	< 4.2	< 10	< 10	< 1	< 1	< 50
1,2-Dichloropropane	µg/L	1	< 20	< 10	< 6.5	< 0.72	< 0.72	< 0.72	< 0.72	< 10	< 10	< 10	< 1	< 1	< 50
2-Butanone	µg/L	50	< 100	< 50	< 26	< 1.3	< 1.3	< 1.3	< 1.3	< 26	< 50	< 50	< 5	< 5	< 250
2-Hexanone	µg/L	50	< 100	< 50	< 25	< 1.2	< 1.2	< 1.2	< 1.2	< 25	< 50	< 50	< 5	< 5	< 250
4-Methyl-2-pentanone	µg/L		< 100	< 50	< 18	< 2.1	< 2.1	< 2.1	< 2.1	< 42	< 50	< 50	< 5	< 5	< 250
Acetone	µg/L	50	< 100	< 50	< 27	< 3	< 3	< 3	< 3	< 50	< 50	< 50	1.5 J	4.9 J	< 250
Benzene	µg/L	1	< 20	< 10	< 8.2	< 0.41	< 0.41	< 0.41	< 0.41	< 8.2	< 10	< 10	< 1	0.89 J	< 50
Bromodichloromethane	µg/L	50	< 20	< 10	< 7.7	< 0.39	< 0.39	0.41	< 0.39	< 7.8	< 10	< 10	< 1	< 1	< 50
Bromoform	µg/L	50	< 20	< 10	< 5.1	< 0.26	< 0.26	< 0.26	< 0.26	< 5.2	< 10	< 10	< 1	< 1	< 50
Bromomethane	µg/L	5	< 20	< 10	< 5.6	< 0.69	< 0.69	< 0.69	< 0.69	< 10	< 10	< 10	< 1	< 1	< 50
Carbondisulfide	µg/L	60	< 20	< 10	< 3.9	0.63	< 0.19	< 0.19	0.67	< 3.8	< 10	< 10	< 1	14	< 50
Carbontetrachloride	µg/L	5	< 20	< 10	< 5.3	< 0.27	< 0.27	< 0.27	< 0.27	< 5.4	< 10	< 10	< 1	< 1	< 50
Chlorobenzene	µg/L	5	< 20	< 10	< 6.3	< 0.75	< 0.75	< 0.75	< 0.75	< 10	< 10	< 10	< 1	< 1	< 50
Chloroethane	µg/L	5	< 20	< 10	< 6.5	< 0.32	< 0.32	< 0.32	< 0.32	< 6.4	< 10	< 10	< 1	< 1	< 50
Chloroform (trichloromethane)	µg/L	7	< 20	< 10	< 6.7	1.2	0.69	3.4	1	< 6.8	< 10	3.4 J	< 1	5.4	< 50
Chloromethane	µg/L	5	< 20	< 10	< 6.9	< 0.35	< 0.35	< 0.35	< 0.35	< 7	< 10	< 10	0.24 J	< 1	< 50
cis-1,2-Dichloroethene	µg/L	5	410	500	300	950	460	36	550	230	1000	960	17	1100 D	480
cis-1,3-Dichloropropene	µg/L	0.4	< 20	< 10	< 7.1	< 0.36	< 0.36	< 0.36	< 0.36	< 7.2	< 10	< 10	< 1	< 1	< 50
Dibromochloromethane	µg/L	50	< 20	< 10	< 6.4	< 0.32	< 0.32	< 0.32	< 0.32	< 6.4	< 10	< 10	< 1	< 1	< 50
Ethylbenzene	µg/L	5	< 20	< 10	< 3.7	< 0.74	< 0.74	< 0.74	< 0.74	< 10	< 10	< 10	< 1	1.4	< 50
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 60	< 30	< 13	< 0.66	< 0.66	< 0.66	< 0.66	< 13	< 30	< 20	< 2	4.6	< 100
Methylene chloride	µg/L	5	930	180	990	1700	1400	1.4	1700	960	1500	2300 D	170	16000 D	10000 D
o-Xylene	µg/L	5	< 20	< 10	< 7.2	< 0.76	< 0.76	< 0.76	< 0.76	< 10	< 10	< 10	< 1	1.7	< 50
Styrene	µg/L	5	< 20	< 10	< 3.7	< 0.73	< 0.73	< 0.73	< 0.73	< 10	< 10	< 10	< 1	< 1	< 50
Tetrachloroethene	µg/L	5	< 20	< 10	< 7.3	< 0.36	< 0.36	< 0.36	< 0.36	< 7.2	< 10	< 10	< 1	8	< 50
Toluene	µg/L	5	< 20	< 10	< 10	0.51	< 0.51	< 0.51	< 0.51	< 10	< 10	< 10	< 1	8	< 50
trans-1,2-Dichloroethene	µg/L	5	< 20	< 10	< 8.4	5.4	2.8	< 0.9	3	3.5 U	3.5	3.8	< 1	12	< 50
Trans-1,3-Dichloropropene	µg/L	0.4	< 20	< 10	< 7.4	< 0.37	< 0.37	< 0.37	< 0.37	< 7.4	< 10	< 10	< 1	< 1	< 50
Trichloroethene	µg/L	5	52	78	43	90	42	51	110	30	610	510	32	36000 D	8900
Vinyl chloride	µg/L	2	43	16	49	190	210	< 0.9	160	78	140	110	2.3	260 D	130
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			DW-10												
Sample Date			3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018	3/27/2019	9/25/2019	1/16/2020	5/26/2020	8/21/2020	10/14/2020	3/19/2021	10/13/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 100	< 50	< 50	< 2.5	9.5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
1,1,2-Trichloroethane	µg/L	1	< 100	< 50	< 50	< 2.5	3 J	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
1,1-Dichloroethane	µg/L	5	< 100	< 50	12 J	< 2.5	9	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
1,1-Dichloroethene	µg/L	5	< 100	< 50	39 J	0.73 J	32	< 2000	< 10	< 2000	< 5000	< 1000	< 10	55 J	< 10 U
1,2-Dichloroethane	µg/L	0.6	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
1,2-Dichloropropane	µg/L	1	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	NA	< 100	< 10 U
2-Butanone	µg/L	50	< 500	< 250	< 250	10 J	< 25	< 20000	< 100	< 20000	< 50000	< 10000	< 100	< 1000	< 100 U
2-Hexanone	µg/L	50	< 500	< 250	< 250	21	< 25	< 10000	< 50	< 10000	< 25000	< 5000	< 50	< 500	< 50 U
4-Methyl-2-pentanone	µg/L		< 500	< 250	< 250	< 13	1.9 J	< 10000	< 50	< 10000	< 25000	< 5000	< 50	< 500	< 50 U
Acetone	µg/L	50	< 500	< 250	< 250	18	< 25	< 20000	< 100	< 20000	< 50000	< 10000	47 J	< 1000 U+	< 100 U
Benzene	µg/L	1	< 100	< 50	< 50	< 2.5	2.5 J	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Bromodichloromethane	µg/L	50	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Bromoform	µg/L	50	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Bromomethane	µg/L	5	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Carbondisulfide	µg/L	60	28 J	< 50	150	2.5	66	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Carbontetrachloride	µg/L	5	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Chlorobenzene	µg/L	5	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Chloroethane	µg/L	5	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Chloroform (trichloromethane)	µg/L	7	93 J	< 50	50	1.1 J	40	< 2000	< 10	< 2000	< 5000	< 1000	< 10	60 J	< 10 U
Chloromethane	µg/L	5	< 100	< 50	< 50	< 2.5	4.8 J	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
cis-1,2-Dichloroethene	µg/L	5	640	130	2300	15	2100 D	2000	18	2300	< 5000	1700	120	2200	8.1 J J
cis-1,3-Dichloropropene	µg/L	0.4	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Dibromochloromethane	µg/L	50	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Ethylbenzene	µg/L	5	< 100	< 50	< 50	< 2.5	1.6 J	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	16	NA	NA	NA	150	NA	NA
m,p-xylene	µg/L	5	< 200	< 100	< 100	< 5	5.7 J	< 4000	< 20	< 4000	< 10000	< 2000	< 20	< 200	< 20 U
Methylene chloride	µg/L	5	14000	5100	130000 D	390	100000 D	140000	640	150000	200000	160000	6600	160000	< 10 U
o-Xylene	µg/L	5	< 100	< 50	< 50	< 2.5	2.3 J	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Styrene	µg/L	5	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Tetrachloroethene	µg/L	5	< 100	< 50	< 50	< 2.5	3.4 J	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Toluene	µg/L	5	< 100	< 50	17 J	< 2.5	16	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
trans-1,2-Dichloroethene	µg/L	5	< 100	< 50	37 J	< 2.5	33	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 100	< 50	< 50	< 2.5	< 5	< 2000	< 10	< 2000	< 5000	< 1000	< 10	< 100	< 10 U
Trichloroethene	µg/L	5	13000	610	2000	100	2100 D	2300	38	1900 J	< 5000	2000	170	2800	40
Vinyl chloride	µg/L	2	160	38 J	970	6.2	730	< 2000	9.1 J	< 2000	< 5000	920 J	92	1200	< 10 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA

Location Code			DW-10				
Sample Date			3/23/2022	10/6/2022	10/18/2023	10/25/2024	10/25/2024
	Units	GPS	Result	Result	Result	Result	Result
VOLATILES							
1,1,1-Trichloroethane	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
1,1,2-Trichloroethane	µg/L	1	3.1 J J	< 10 U	< 200 U	< 400 U	< 200 U
1,1-Dichloroethane	µg/L	5	12	3.8 J J	< 200 U	< 400 U	< 200 U
1,1-Dichloroethene	µg/L	5	39	8.8 J J	< 200 U	< 400 U	< 200 U
1,2-Dichloroethane	µg/L	0.6	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
1,2-Dichloropropane	µg/L	1	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
2-Butanone	µg/L	50	< 100 U	100	< 2000 U	< 4000 U	< 2000 U
2-Hexanone	µg/L	50	< 50 U	26 J J	< 1000 U	< 2000 U	< 1000 U
4-Methyl-2-pentanone	µg/L		< 50 U	< 50 U	< 1000 U	< 2000 U	< 1000 U
Acetone	µg/L	50	59 J J	140	< 2000 U	< 4000 U	< 2000 U
Benzene	µg/L	1	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Bromodichloromethane	µg/L	50	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Bromoform	µg/L	50	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Bromomethane	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Carbondisulfide	µg/L	60	56	18	< 200 U	< 400 U	< 200 U
Carbontetrachloride	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Chlorobenzene	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Chloroethane	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Chloroform (trichloromethane)	µg/L	7	47	11	< 200 U	< 400 U	< 200 U
Chloromethane	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
cis-1,2-Dichloroethene	µg/L	5	2400 J J	940	900	1600	990
cis-1,3-Dichloropropene	µg/L	0.4	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Dibromochloromethane	µg/L	50	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Ethylbenzene	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Freon 113	µg/L		NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 20 U	< 20 U	< 400 U	< 800 U	< 400 U
Methylene chloride	µg/L	5	160000	28000	9000	21000	920
o-Xylene	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Styrene	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Tetrachloroethene	µg/L	5	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Toluene	µg/L	5	23	6.1 J J	< 200 U	< 400 U	< 200 U
trans-1,2-Dichloroethene	µg/L	5	45	15	< 200 U	< 400 U	< 200 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 10 U	< 10 U	< 200 U	< 400 U	< 200 U
Trichloroethene	µg/L	5	1900 J J	440	420	430	180 J J
Vinyl chloride	µg/L	2	1600 E J	470	290	< 400 U	210
Xylene (total)	µg/L		NA	NA	NA	NA	NA

Location Code			DW-11											
Sample Date			1/13/1995	2/5/1996	10/18/1996	10/30/1997	4/22/1998	10/29/1998	10/29/1999	10/25/2000	10/9/2001	10/2/2002	10/21/2003	10/11/2004	10/24/2006
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	249	180	< 500	1000	620	760	600	670	1100	920	740	580	390
1,1,2,2-Tetrachloroethane	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
1,1,2-Trichloroethane	µg/L	1	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
1,1-Dichloroethane	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	35	62	< 500	< 400	45
1,1-Dichloroethene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	18	34	< 500	< 400	36
1,2-Dichloroethane	µg/L	0.6	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
1,2-Dichloropropane	µg/L	1	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	36	< 500	< 400	< 1
2-Butanone	µg/L	50	< 250	< 250	< 2500	< 2500	< 1000	< 70	< 1000	< 2500	< 10	< 10	< 2500	< 2000	< 5
2-Hexanone	µg/L	50	< 250	< 250	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 10	< 10	< 2500	< 2000	< 5
4-Methyl-2-pentanone	µg/L		< 250	< 250	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 10	< 10	< 2500	< 2000	< 5
Acetone	µg/L	50	< 250	< 250	< 2500	< 2500	< 1000	< 1000	< 1000	< 2500	< 10	< 10	< 2500	< 2000	< 5
Benzene	µg/L	1	< 25	< 50	< 500	< 500	< 70	< 70	< 70	< 70	< 0.7	1	< 500	< 400	0.58
Bromodichloromethane	µg/L	50	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
Bromoform	µg/L	50	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
Bromomethane	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
Carbondisulfide	µg/L	60	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	2	4	< 500	< 400	< 1
Carbontetrachloride	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	260	160	< 500	< 400	< 1
Chlorobenzene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	1.5
Chloroethane	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 2	< 500	< 400	0.46
Chloroform (trichloromethane)	µg/L	7	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	6	< 500	< 400	2.5
Chloromethane	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
cis-1,2-Dichloroethene	µg/L	5	2360	2100	3200	3300	2800	4000	5800	4100	2100	2900	5700	7000	6800
cis-1,3-Dichloropropene	µg/L	0.4	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
Dibromochloromethane	µg/L	50	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
Ethylbenzene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	3	2	< 500	< 400	3.2
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	3	4	< 1500	< 1200	2.2
Methylene chloride	µg/L	5	1670	6500	2700	3800	5400	5800	10000	6200	3600	8800	17000	9300	6800
o-Xylene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	2	< 500	< 400	< 1
Styrene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
Tetrachloroethene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	14	17	< 500	< 400	5.7
Toluene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	10	12	< 500	< 400	5.2
trans-1,2-Dichloroethene	µg/L	5	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	28	20	< 500	< 400	22
Trans-1,3-Dichloropropene	µg/L	0.4	< 25	< 50	< 500	< 500	< 100	< 100	< 100	< 500	< 1	< 1	< 500	< 400	< 1
Trichloroethene	µg/L	5	10500	12000	11000	15000	15000	14000	15000	12000	5500	9700	14000	9400	4900
Vinyl chloride	µg/L	2	123	210	< 500	< 500	150	230	390	220	220	240	340	430	580
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			DW-11											
Sample Date			10/7/2007	10/22/2008	10/15/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013	10/30/2014	10/22/2015	10/20/2016	11/13/2017	1/23/2018	2/27/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	140	180	84	83	3.9	1.1	270	240	160	110	45	3.3	5.6
1,1,2,2-Tetrachloroethane	µg/L	5	< 100	< 80	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 10	< 10	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 100	< 80	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 10	< 10	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 100	< 80	19	9.3	1	< 0.38	51	37	33	25	8.6	0.88 J	2.8
1,1-Dichloroethene	µg/L	5	< 100	< 80	13	11	1.2	< 0.29	37	20	17	< 10	1.2	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 100	< 80	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 10	< 10	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 100	< 80	< 0.32	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 10	< 10	< 1	< 1	< 1
2-Butanone	µg/L	50	< 500	< 400	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 50	< 50	< 5	1 J	< 5
2-Hexanone	µg/L	50	< 500	< 400	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 50	< 50	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 500	< 400	< 0.91	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 50	< 50	< 5	< 5	< 5
Acetone	µg/L	50	< 500	< 400	< 1.3	< 3	< 3	< 3	< 3	< 3	< 50	< 50	< 5	48	14
Benzene	µg/L	1	< 100	< 400	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 10	< 10	< 1	0.84 J	< 1
Bromodichloromethane	µg/L	50	< 100	< 80	< 0.39	< 0.39	< 0.77	< 0.39	< 0.39	< 0.39	< 10	< 10	< 1	< 1	< 1
Bromoform	µg/L	50	< 100	< 80	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 10	< 10	< 1	< 1	< 1
Bromomethane	µg/L	5	< 100	< 80	< 0.28	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 10	< 10	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 100	< 80	0.61	< 0.19	< 0.19	< 0.19	2.5	< 0.19	6	3.4 J	0.35 J	0.39 J	0.48 J
Carbontetrachloride	µg/L	5	< 100	< 80	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 10	< 10	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 100	< 80	< 0.32	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 10	< 10	< 1	< 1	< 1
Chloroethane	µg/L	5	< 100	< 80	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 10	< 10	29	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 100	< 80	0.98	1.4	1.9	< 0.34	1.2	1.3	< 10	< 10	< 1	< 1	< 1
Chloromethane	µg/L	5	< 100	< 80	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 10	< 10	0.45 J	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	3300	3300	2800	1700	87	19	4200	3400	3900	1500	110	23	31
cis-1,3-Dichloropropene	µg/L	0.4	< 100	< 80	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 10	< 10	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 100	< 80	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 10	< 10	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 100	< 80	0.47	< 0.74	< 0.74	< 0.74	0.9	0.75	< 10	< 10	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 300	< 240	0.71	< 0.66	< 0.66	< 0.66	1.1	0.92	< 30	< 20	< 2	0.56 J	< 2
Methylene chloride	µg/L	5	5900	7900	2700	< 0.44	< 0.44	< 0.44	2800	1700	780	< 10	< 1	11	14
o-Xylene	µg/L	5	< 100	< 80	0.57	< 0.76	< 0.76	< 0.76	1.2	1	< 10	< 10	< 1	< 1	< 1
Styrene	µg/L	5	< 100	< 80	< 0.18	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 10	< 10	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 100	< 80	0.92	< 0.36	< 0.36	< 0.36	1.8	1.8	< 10	< 10	< 1	0.46 J	< 1
Toluene	µg/L	5	< 100	< 80	1.7	< 0.51	< 0.51	< 0.51	1.7	1.3	< 10	< 10	< 1	0.54 J	0.24 J
trans-1,2-Dichloroethene	µg/L	5	< 100	< 80	7.2	4.5	< 0.9	< 0.9	8.7	7.9	8.3	5.9 J	1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 100	< 80	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 10	< 10	< 1	< 1	< 1
Trichloroethene	µg/L	5	2000	2600	1300	900	54	7.8	1900	1400	1100	14	35	520 D	190
Vinyl chloride	µg/L	2	360	520	580	1.9	< 0.9	< 0.9	710	520	420	450	100	13	40
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			DW-11												
Sample Date			3/20/2018	6/19/2018	9/18/2018	10/31/2018	12/11/2018	3/27/2019	1/17/2020	5/28/2020	8/19/2020	10/13/2020	3/17/2021	10/6/2021	3/21/2022
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	58	7.8	92	0.31 J	91	17	9.6	9.7	9	4.9	16	53	4.2
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
1,1-Dichloroethane	µg/L	5	17	3.4 J	28	< 1	33	21	13	15	15	12	15	33	4.9
1,1-Dichloroethene	µg/L	5	2.2	1.4 J	11	< 1	3.3	1.2 J	< 2	< 2	< 2	< 2	0.29 J	< 2 U	< 2 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
1,2-Dichloropropane	µg/L	1	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	NA	< 1	NA	< 2 U
2-Butanone	µg/L	50	< 5	< 25	< 25	< 5	1.1 J	< 20	< 20	< 20	< 20	< 20	< 10	< 20 U	< 20 U
2-Hexanone	µg/L	50	< 5	< 25	< 25	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 5	< 10 U	< 10 U
4-Methyl-2-pentanone	µg/L		< 5	< 25	< 25	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 5	< 10 U	< 10 U
Acetone	µg/L	50	2.6 J	22 J	< 25	2.7 J	2.1 J	< 20	< 20	< 20	< 20	< 20	< 10	< 20 U	< 20 U
Benzene	µg/L	1	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Bromodichloromethane	µg/L	50	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Bromoform	µg/L	50	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Bromomethane	µg/L	5	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Carbondisulfide	µg/L	60	8.8	13	55	< 1	40	0.55 J	0.53 J	< 2	< 2	< 2	< 1	2	< 2 U
Carbontetrachloride	µg/L	5	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Chlorobenzene	µg/L	5	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Chloroethane	µg/L	5	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Chloroform (trichloromethane)	µg/L	7	< 1	2.7 J	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Chloromethane	µg/L	5	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
cis-1,2-Dichloroethene	µg/L	5	190	630	1300 D	11	210 D	69	30	22	19	13	36	320	11
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Dibromochloromethane	µg/L	50	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Ethylbenzene	µg/L	5	0.22 J	< 5	< 5	0.22	0.59 J	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 J	NA	47	NA
m,p-xylene	µg/L	5	0.78 J	< 10	2.8 J	0.78	2	< 4	< 4	< 4	< 4	< 4	< 2	< 4 U	< 4 U
Methylene chloride	µg/L	5	72	180	490	0.77 J	77	< 2	26	< 2	< 2	< 2	< 1	7.7	2.7
o-Xylene	µg/L	5	0.31 J	< 5	1.1 J	0.31	0.78 J	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Styrene	µg/L	5	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Tetrachloroethene	µg/L	5	0.55 J	< 5	2 J	0.55	1.7	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Toluene	µg/L	5	1.2	< 5	6.1	1.2	2.5	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
trans-1,2-Dichloroethene	µg/L	5	1.5	1.7 J	3.9 J	< 1	2.8	< 2	< 2	< 2	< 2	< 2	1.3	2.9	< 2 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2 U	< 2 U
Trichloroethene	µg/L	5	1300 D	180	17000 D	35	3000 D	17	17	7.7	8.2	6.6	10	470	4
Vinyl chloride	µg/L	2	190 D	59	180	0.53 J	240 D	93	51	52	43	22	120	540	19
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA

Location Code			DW-11		
Sample Date			10/5/2022	10/18/2023	10/22/2024
	Units	GPS	Result	Result	Result
VOLATILES					
1,1,1-Trichloroethane	µg/L	5	7.5	13	6.3
1,1,2,2-Tetrachloroethane	µg/L	5	< 2 U	< 2 U	< 2 U
1,1,2-Trichloroethane	µg/L	1	< 2 U	< 2 U	< 2 U
1,1-Dichloroethane	µg/L	5	7	10	8.5
1,1-Dichloroethene	µg/L	5	< 2 U	< 2 U	< 2 U
1,2-Dichloroethane	µg/L	0.6	< 2 U	< 2 U	< 2 U
1,2-Dichloropropane	µg/L	1	< 2 U	< 2 U	< 2 U
2-Butanone	µg/L	50	< 20 U	< 20 U	< 20 U
2-Hexanone	µg/L	50	< 10 U	< 10 U	< 10 U
4-Methyl-2-pentanone	µg/L		< 10 U	< 10 U	< 10 U
Acetone	µg/L	50	< 20 U	< 20 U	< 20 U
Benzene	µg/L	1	< 2 U	< 2 U	< 2 U
Bromodichloromethane	µg/L	50	< 2 U	< 2 U	< 2 U
Bromoform	µg/L	50	< 2 U	< 2 U	< 2 U
Bromomethane	µg/L	5	< 2 U	< 2 U	< 2 U
Carbondisulfide	µg/L	60	< 2 U	< 2 U	< 2 U
Carbontetrachloride	µg/L	5	< 2 U	< 2 U	< 2 U
Chlorobenzene	µg/L	5	< 2 U	< 2 U	< 2 U
Chloroethane	µg/L	5	< 2 U	< 2 U	< 2 U
Chloroform (trichloromethane)	µg/L	7	< 2 U	< 2 U	< 2 U
Chloromethane	µg/L	5	< 2 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	µg/L	5	13	27	21
cis-1,3-Dichloropropene	µg/L	0.4	< 2 U	< 2 U	< 2 U
Dibromochloromethane	µg/L	50	< 2 U	< 2 U	< 2 U
Ethylbenzene	µg/L	5	< 2 U	< 2 U	< 2 U
Freon 113	µg/L		NA	NA	NA
m,p-xylene	µg/L	5	< 4 U	< 4 U	< 4 U
Methylene chloride	µg/L	5	< 2 U	< 2 U	1.4 J J
o-Xylene	µg/L	5	< 2 U	< 2 U	< 2 U
Styrene	µg/L	5	< 2 U	< 2 U	< 2 U
Tetrachloroethene	µg/L	5	< 2 U	< 2 U	< 2 U
Toluene	µg/L	5	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	µg/L	5	< 2 U	< 2 U	< 2 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 2 U	< 2 U	< 2 U
Trichloroethene	µg/L	5	4.7	5.6	5.7
Vinyl chloride	µg/L	2	50	65	41
Xylene (total)	µg/L		NA	NA	NA

Location Code			DW-12												
Sample Date			1/13/1995	2/5/1996	10/18/1996	10/30/1997	4/22/1998	10/29/1998	10/29/1999	10/26/2000	10/10/2001	10/2/2002	10/21/2003	10/11/2004	10/24/2006
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	35	27	68	< 500	< 100	< 500	100	< 500	13	< 500	< 200	< 500	14
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
1,1-Dichloroethane	µg/L	5	7	< 25	< 25	< 500	< 100	< 500	< 100	< 500	5	< 500	< 200	< 500	3.3
1,1-Dichloroethene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
1,2-Dichloroethane	µg/L	0.6	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
2-Butanone	µg/L	50	< 50	< 125	< 120	< 2500	< 1000	< 2500	< 1000	< 2500	< 10	< 5000	< 1000	< 2500	< 5
2-Hexanone	µg/L	50	< 50	< 125	< 50	< 1000	< 1000	< 1000	< 1000	< 1000	< 10	< 5000	< 1000	< 2500	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 125	< 50	< 1000	< 1000	< 1000	< 1000	< 1000	< 10	< 5000	< 1000	< 2500	< 5
Acetone	µg/L	50	< 50	< 125	< 120	< 2500	1100	< 2500	< 1000	< 2500	< 10	< 5000	< 1000	< 2500	< 5
Benzene	µg/L	1	< 5	< 25	< 25	< 500	< 70	< 500	< 70	< 70	< 0.7	< 350	< 200	< 500	< 1
Bromodichloromethane	µg/L	50	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Bromoform	µg/L	50	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Bromomethane	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	0.88
Carbondisulfide	µg/L	60	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Carbontetrachloride	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	17	< 1500	< 200	< 500	250
Chlorobenzene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Chloroethane	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 1000	< 200	< 500	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	3	< 500	< 200	< 500	< 1
Chloromethane	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
cis-1,2-Dichloroethene	µg/L	5	592	580	3600	5300	5800	6600	11000	8600	730	2000	1300	14000	530
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Dibromochloromethane	µg/L	50	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Ethylbenzene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 600	< 1500	< 2
Methylene chloride	µg/L	5	159	52	710	1500	530	270	610	< 500	200	< 500	< 200	< 500	370
o-Xylene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Styrene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Tetrachloroethene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Toluene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
trans-1,2-Dichloroethene	µg/L	5	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	6	< 500	< 200	< 500	3.8
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 25	< 25	< 500	< 100	< 500	< 100	< 500	< 1	< 500	< 200	< 500	< 1
Trichloroethene	µg/L	5	639	130	9300	9600	7300	6100	11000	4000	1500	13000	7000	160	< 1
Vinyl chloride	µg/L	2	15	< 25	46	< 500	120	420	260	< 200	42	< 500	< 200	< 500	15
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			DW-12											
Sample Date			10/7/2007	10/22/2008	10/15/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013	10/30/2014	10/22/2015	10/19/2016	11/13/2017	1/24/2018	2/27/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	20	46	52	38	160	220	190	170	28	34	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 1	< 0.21	< 0.21	< 0.21	< 21	< 11	< 11	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 2	< 1	< 0.23	< 0.23	< 0.23	< 23	< 12	< 12	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	6.9	11	11	8.7	27	40	< 19	27	8.6	13	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	1	1.9	2.7	3.2	29	< 29	< 15	< 15	2.8	5.2	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 2	< 1	< 0.21	< 0.21	< 0.21	< 21	< 11	< 11	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 2	< 1	< 0.32	< 0.72	< 0.72	< 72	< 36	< 36	< 1	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 10	< 5	< 1.3	< 1.3	< 1.3	< 130	< 66	< 66	< 5	< 5	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 10	< 5	< 1.2	< 1.2	< 1.2	< 120	< 62	< 62	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 5	< 0.91	< 2.1	2.1	< 210	< 110	< 110	< 5	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 10	< 5	< 1.3	< 3	< 3	< 300	< 150	< 150	< 5	< 5	2.4 J	< 5	1.9 J
Benzene	µg/L	1	< 2	< 1	< 0.41	< 0.41	< 0.41	< 41	< 21	< 21	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 2	< 1	< 0.39	< 0.39	< 0.39	< 39	< 20	< 20	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 2	< 1	< 0.26	< 0.26	< 0.26	< 26	< 13	< 13	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 2	< 1	< 0.28	< 0.69	< 0.69	< 69	< 35	< 35	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 2	< 1	< 0.19	< 0.19	0.46	< 19	< 9.5	< 9.5	< 1	0.9 J	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 2	< 1	< 0.27	< 0.27	< 0.27	< 27	< 14	< 14	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 2	< 1	< 0.32	< 0.75	< 0.75	< 75	< 38	< 38	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 2	< 1	< 0.32	< 0.32	< 0.32	< 32	< 16	< 16	< 1	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	1.2	0.78	1.9	1.5	1.2	< 34	< 17	< 17	0.31	1.1	< 1	0.35 J	< 1
Chloromethane	µg/L	5	< 2	< 1	< 0.35	< 0.35	< 0.35	< 35	< 18	< 18	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	140	240	280	180	7300	8400	3000	2800	220	1700 D	1.5	2.2	1.1
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 1	< 0.36	< 0.36	< 0.36	< 36	< 18	< 18	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 2	< 1	< 0.32	< 0.32	< 0.32	< 32	< 16	< 16	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 2	< 1	< 0.18	< 0.74	< 0.74	< 74	< 37	< 37	< 1	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 6	< 2	< 0.66	< 0.66	< 0.66	< 66	< 33	< 33	< 2	< 2	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 2	< 1	0.55	< 0.44	6.1	110	1900	140	84	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 2	< 1	< 0.36	< 0.76	< 0.76	< 76	< 38	< 38	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 2	< 1	< 0.18	< 0.73	< 0.73	< 73	< 37	< 37	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 2	< 1	< 0.36	< 0.36	0.59	< 36	< 18	< 18	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 2	< 1	< 0.51	< 0.51	< 0.82	< 51	< 26	< 26	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	1.7	2.6	2.3	2.2	12	< 90	< 45	< 45	1.1	15	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 1	< 0.37	< 0.37	< 0.37	< 37	< 19	< 19	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	18	38	25	51	1400	980	1100	550	140	83	1.2	0.87 J	0.7 J
Vinyl chloride	µg/L	2	< 2	1.9	10	2.5	530	620	510	370	74	180	< 1	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			DW-12											
Sample Date			3/20/2018	6/19/2018	9/18/2018	10/31/2018	12/11/2018	3/27/2019	9/24/2019	1/14/2020	5/22/2020	8/18/2020	10/13/2020	3/16/2021	10/4/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	0.5 J	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
1,1-Dichloroethane	µg/L	5	0.76 J	1.3	3.4	< 1	3.1	1.7 J	< 2	1 J	0.77 J	2.6	2.3	1.8	3.5 F1 J+
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	NA	< 1	NA
2-Butanone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 20	< 20	< 20	< 10	< 10	< 10	< 10	< 10 U
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5 U
Acetone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 20	< 20	< 20	< 10	< 10	< 10	< 10	< 10 U
Benzene	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 1	< 1	< 2	< 2	0.43 J	< 1	< 1	< 1	< 1	< 1 U
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Chloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 U
cis-1,2-Dichloroethene	µg/L	5	4.2	7.5	16	0.72 J	14	9.3	< 2	13	4.6	21	17	14	23
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	< 1	NA	< 1 U
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 2	< 2	< 4	< 4	< 4	< 2	< 2	< 2	< 2	< 2 UF1 U
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	1 J	< 2	< 1	< 1	< 1	< 1	< 1 U
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	0.33 J	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1 UF1 U
Trichloroethene	µg/L	5	1.3	1.3	1.2	1.4	0.77 J	< 2	1.3 J	6.7	0.62 J	1.9	1.9	2	3.7 F1 J+
Vinyl chloride	µg/L	2	0.45 J	0.51 J	4.5	< 1	6.3	< 2	< 2	2.2	0.96 J	3	2.2	3.3	7.7
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	< 4	NA	NA	NA	< 2	NA	NA

Location Code			DW-12				
Sample Date			3/18/2022	10/5/2022	10/16/2023	10/16/2023	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result
VOLATILES							
1,1,1-Trichloroethane	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 UF1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	1.1 J J	3.1	2.4	2.4	< 1 U
1,1-Dichloroethene	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 10 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzene	µg/L	1	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	6.2	11	8	7.9	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 4 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	2.7	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 UF1 U	< 1 U
Toluene	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	1.2 J J	2	1.9	2.1	0.73 J J
Vinyl chloride	µg/L	2	2.6	5.4	2.5	2.9	< 1 U
Xylene (total)	µg/L		NA	NA	NA	NA	NA

Location Code			DW-9												
Sample Date			1/13/1995	2/5/1996	10/18/1996	10/30/1997	4/23/1998	10/30/1998	10/29/1999	10/25/2000	10/10/2001	10/3/2002	10/22/2003	10/11/2004	10/13/2005
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	65	< 120	130	290	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 5	< 50	< 120	< 120	28	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 5	< 50	< 120	< 120	21	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
2-Butanone	µg/L	50	< 50	< 250	< 620	< 620	< 100	< 2500	< 2500	< 130	< 10	< 1000	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 50	< 250	< 250	< 250	< 100	< 1000	< 1000	< 50	< 10	< 1000	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 50	< 250	< 250	< 250	< 100	< 1000	< 1000	< 50	< 10	< 1000	< 5	< 5	< 5
Acetone	µg/L	50	< 50	< 250	< 620	< 620	< 100	< 2500	< 2500	< 130	< 10	< 1000	< 5	< 5	< 5
Benzene	µg/L	1	< 5	< 50	< 120	< 120	< 7	< 500	< 70	< 4	< 0.7	< 70	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	1.2	< 1	< 1
Bromoform	µg/L	50	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Bromomethane	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 5	< 50	< 120	< 120	15	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 300	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Chloroethane	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 200	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	3.7	0.39	< 1
Chloromethane	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	703	2800	3200	2600	3600	4200	3800	250	49	990	9.5	4	3.8
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 3	< 3	< 2
Methylene chloride	µg/L	5	56	130	2500	720	6300	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
o-Xylene	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Styrene	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Toluene	µg/L	5	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	6	< 50	< 120	< 120	15	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 50	< 120	< 120	< 10	< 500	< 500	< 25	< 1	< 100	< 1	< 1	< 1
Trichloroethene	µg/L	5	1400	2000	1600	1100	4500	340	< 500	240	100	550	42	19	8.4
Vinyl chloride	µg/L	2	46	250	140	190	150	130	< 200	< 10	< 1	< 100	< 1	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			DW-9											
Sample Date			10/24/2006	10/7/2007	10/22/2008	10/15/2009	10/10/2010	10/11/2011	11/12/2012	10/23/2013	10/30/2014	10/22/2015	10/20/2016	11/14/2017	1/24/2018
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 1	3.5	< 1	< 0.26	< 0.82	< 0.82	7.4	< 3.3	8.6	< 1	44	1.1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.84	< 0.42	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.92	< 0.46	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 1	1.7	< 1	< 0.38	< 0.38	< 0.38	2.2	< 1.5	2.5	0.29	13	0.4 J	< 1
1,1-Dichloroethene	µg/L	5	< 1	1.4	< 1	< 0.29	< 0.29	< 0.29	0.99	< 1.2	2.1	< 1	12	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.84	< 0.42	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 0.32	< 0.72	< 0.72	< 0.72	< 2.9	< 1.4	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 5	< 5	< 5	< 1.3	< 1.3	< 1.3	< 1.3	< 5.3	< 2.6	< 5	< 5	< 5	< 5
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 1.2	< 1.2	< 1.2	< 1.2	< 5	< 2.5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 0.91	< 2.1	< 2.1	< 2.1	< 8.4	< 4.2	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 5	< 5	< 5	< 1.3	< 3	< 3	< 3	< 12	< 6	< 5	< 5	1.7 J	1.8 J
Benzene	µg/L	1	< 1	< 1	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 1.6	< 0.82	< 1	0.85 J	< 1	< 1
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 0.39	< 0.39	< 0.39	< 0.39	< 1.6	< 0.78	0.87	< 1	< 1	< 1
Bromoform	µg/L	50	< 1	< 1	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 1	< 0.52	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 1	< 1	< 1	< 0.28	< 0.69	< 0.69	< 0.69	< 2.8	< 1.4	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.76	< 0.38	< 1	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 1.1	< 0.54	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 0.32	< 0.75	< 0.75	< 0.75	< 3	< 1.5	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1.3	< 0.64	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 0.34	< 0.34	< 0.34	< 0.34	< 1.4	< 0.68	< 1	3	0.47 J	< 1
Chloromethane	µg/L	5	< 1	< 1	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 1.4	< 0.7	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	8.4	180	20	3.6	41	5.8	220	< 3.2	130	< 1	1100 D	22	4.9
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1.4	< 0.72	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1.3	< 0.64	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 0.18	< 0.74	< 0.74	< 0.74	< 3	< 1.5	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 0.66	< 0.66	< 0.66	< 0.66	< 2.6	< 1.3	< 2	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 1.6	0.51	24	< 0.44	< 0.44	< 0.44	< 0.44	< 1.8	< 0.88	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 1	< 1	< 1	< 0.36	< 0.76	< 0.76	< 0.76	< 3	< 1.5	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 1	< 1	< 1	< 0.18	< 0.73	< 0.73	< 0.73	< 2.9	< 1.5	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1.4	< 0.72	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 1	< 1	< 1	< 0.51	< 0.51	< 0.51	< 0.51	< 2	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 1	0.72	< 1	< 0.42	< 0.9	< 0.9	1.6	< 3.6	< 1.8	< 1	8.6	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 1.5	< 0.74	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	30	68	7.6	9.7	21	5.1	190	2.3	150	36	2400 D	70	20
Vinyl chloride	µg/L	2	< 1	< 1	< 1	< 0.24	< 0.9	< 0.9	< 0.9	< 3.6	< 1.8	2.7	2.5	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			DW-9											
Sample Date			2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/13/2018	3/28/2019	9/25/2019	1/15/2020	5/27/2020	8/21/2020	10/14/2020	3/18/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1	4.9	< 1	0.3 J	< 10	9.1 J	< 1	79	< 1	57	37
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
1,1-Dichloroethane	µg/L	5	< 1	< 1	< 1	6.4	< 1	< 1	5.4 J	10	< 1	46	< 1	39	12 J
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	2.4	< 1	< 1	< 10	< 10	< 1	26	< 1	20	< 25
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	0.47 J	< 1	< 10	< 25
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	NA	< 1	< 1	< 1	NA	< 25
2-Butanone	µg/L	50	< 5	< 5	< 5	1.2 J	< 5	< 5	< 100	< 100	< 10	< 10	< 10	< 100	< 250
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 5	< 50	< 130
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 5	< 50	< 130
Acetone	µg/L	50	2 J	2 J	< 5	2.3 J	< 1	< 1	< 100	< 100	< 10	< 10	< 10	< 100	< 250
Benzene	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	1.4	< 1	< 10	< 25
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Carbondisulfide	µg/L	60	< 1	< 1	< 1	3.7	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Chloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	1.9	1.2	0.38 J	< 10	< 10	< 1	0.43 J	1.5	< 10	< 25
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
cis-1,2-Dichloroethene	µg/L	5	3.7	3.9	6.8	420 D	3.3	4	440	640	27	5000	10	3700	940
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	1.7	< 1	< 10	< 25
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	23	NA	NA	NA	28	NA
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 2	< 2	< 2	< 20	< 20	< 2	2.2	< 2	< 20	< 50
Methylene chloride	µg/L	5	< 1	< 1	0.58 J	200 D	< 1	< 1	5.4 J	49	11	2200	1.4	620	560
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	2.4	< 1	< 10	< 25
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Toluene	µg/L	5	< 1	< 1	< 1	0.33 J	< 1	< 1	< 10	< 10	< 1	2	< 1	< 10	< 25
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1	2.6	< 1	< 1	< 10	< 10	< 1	18	< 1	10	< 25
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 1	< 1	< 1	< 10	< 25
Trichloroethene	µg/L	5	15	18	11	210 D	16	20	19	32	23	2600	34	440	1300
Vinyl chloride	µg/L	2	< 1	< 1	1.7	200 D	< 1	< 1	210	560	12	2800	1.6	860	230
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	NA

Location Code			DW-9						
Sample Date			10/11/2021	3/22/2022	10/7/2022	3/20/2023	10/19/2023	3/25/2024	10/24/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result
VOLATILES									
1,1,1-Trichloroethane	µg/L	5	130	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	1.9
1,1,2,2-Tetrachloroethane	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	60	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	2.2
1,1-Dichloroethene	µg/L	5	38	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	0.64 J J
1,2-Dichloroethane	µg/L	0.6	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 250 U	< 40 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 130 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 130 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 250 U+ U	< 40 U	3.2 J J	3.2 J J	< 10 U	5.4 J J	< 10 U
Benzene	µg/L	1	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	0.27 J J	< 1 U
Carbontetrachloride	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 25 U	< 4 U	0.39 J J	< 1 U	0.39 J J	< 1 U	< 1 U
Chloromethane	µg/L	5	< 25 U+ U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	5800 F1 J-	< 4 U	2.3	1.1	3.4	< 1 U	240
cis-1,3-Dichloropropene	µg/L	0.4	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 50 U	< 8 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	2900	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	12
o-Xylene	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 25 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	4800 F1 J-	6	15	7.6	21	4.2 J+	19
Vinyl chloride	µg/L	2	1300	< 4 U	< 1 U	< 1 U	1.1	< 1 U	85
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA

Location Code			EW-13													
Sample Date			10/11/2011	11/12/2012	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/14/2017	10/31/2018	9/24/2019	10/14/2020	10/6/2021	10/6/2022	10/18/2023	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES																
1,1,1-Trichloroethane	µg/L	5	96	180	2.5	120	98	66	25	18	41	24	29	23	32	27
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.21	< 8.4	< 0.21	< 4.2	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
1,1,2-Trichloroethane	µg/L	1	< 0.23	< 9.2	< 0.23	< 4.6	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
1,1-Dichloroethane	µg/L	5	23	49	0.98	36	31	28	8.4	8.1	22	17	19	12	18	17
1,1-Dichloroethene	µg/L	5	10	< 12	< 0.29	6.6	< 5	3.2	0.94	0.5 J	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
1,2-Dichloroethane	µg/L	0.6	< 0.21	< 8.4	< 0.21	< 4.2	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
1,2-Dichloropropane	µg/L	1	< 0.72	< 29	< 0.72	< 14	< 5	< 5	< 1	< 1	NA	NA	NA	< 8 U	< 8 U	< 8 U
2-Butanone	µg/L	50	< 1.3	< 53	< 1.3	< 26	< 25	< 25	< 5	< 5	< 80	< 80	< 80 U	< 80 U	< 80 U	< 80 U
2-Hexanone	µg/L	50	< 1.2	< 50	< 1.2	< 25	< 25	< 25	< 5	< 5	< 40	< 40	< 40 U	< 40 U	< 40 U	< 40 U
4-Methyl-2-pentanone	µg/L		< 2.1	< 84	< 2.1	< 42	< 25	< 25	< 5	< 5	< 40	< 40	< 40 U	< 40 U	< 40 U	< 40 U
Acetone	µg/L	50	< 3	< 120	< 3	< 60	< 25	< 25	< 5	2.1 J	< 80	< 80	< 80 U	< 80 U+ U	< 80 U	< 80 U
Benzene	µg/L	1	< 0.41	< 16	< 0.41	< 8.2	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Bromodichloromethane	µg/L	50	< 0.39	< 16	< 0.39	< 7.8	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Bromoform	µg/L	50	< 0.26	< 10	< 0.26	< 5.2	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Bromomethane	µg/L	5	< 0.69	< 28	< 0.69	< 14	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Carbondisulfide	µg/L	60	0.69	< 7.6	< 0.19	< 3.8	5.5	< 5	0.37	0.41 J	< 8	5.5 J	< 8 U	< 8 U	< 8 U	< 8 U
Carbontetrachloride	µg/L	5	< 0.27	< 11	< 0.27	< 5.4	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Chlorobenzene	µg/L	5	< 0.75	< 30	< 0.75	< 15	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Chloroethane	µg/L	5	< 0.32	< 13	< 0.32	< 6.4	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Chloroform (trichloromethane)	µg/L	7	0.42	< 14	< 0.34	< 6.8	< 5	2.4	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Chloromethane	µg/L	5	< 0.35	< 14	< 0.35	< 7	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
cis-1,2-Dichloroethene	µg/L	5	2100	1600	23	840	520	650	160	56	280	490	170	85	89	110
cis-1,3-Dichloropropene	µg/L	0.4	< 0.36	< 14	< 0.36	< 7.2	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Dibromochloromethane	µg/L	50	< 0.32	< 13	< 0.32	< 6.4	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Ethylbenzene	µg/L	5	< 0.74	< 30	< 0.74	< 15	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	9.5	14	19	NA	NA	NA
m,p-xylene	µg/L	5	< 0.66	< 26	< 0.66	< 13	< 15	< 10	< 2	< 2	< 16	< 16	< 16 U	< 16 U	< 16 U	< 16 U
Methylene chloride	µg/L	5	< 0.44	< 18	< 0.44	< 8.8	< 5	< 5	1.6	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	11
o-Xylene	µg/L	5	< 0.76	< 30	< 0.76	< 15	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Styrene	µg/L	5	< 0.73	< 29	< 0.73	< 15	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Tetrachloroethene	µg/L	5	< 0.36	< 14	< 0.36	< 7.2	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Toluene	µg/L	5	0.87	< 20	< 0.51	< 10	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
trans-1,2-Dichloroethene	µg/L	5	6.3	< 36	< 0.9	< 18	4.3	4.6	1.4	1.2	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.37	< 15	< 0.37	< 7.4	< 5	< 5	< 1	< 1	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Trichloroethene	µg/L	5	23	26	< 0.46	< 9.2	3.2	4.5	1.2	1.3	< 8	< 8	< 8 U	< 8 U	< 8 U	< 8 U
Vinyl chloride	µg/L	2	690	710	17	610	570	550	160	160	530	440	590	380	400	420
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	< 16	< 16	NA	NA	NA	NA

Location Code			EW-2											
Sample Date			4/15/1993	7/21/1993	10/14/1993	1/17/1994	7/19/1994	1/10/1995	1/29/1996	10/16/1996	10/29/1997	10/27/1998	10/27/1999	10/27/2000	10/10/2001
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	59	57	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	10
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
1,1-Dichloroethane	µg/L	5	8	11	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	5
1,1-Dichloroethene	µg/L	5	33	12	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	4
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
2-Butanone	µg/L	50	< 50	< 50	< 5000	< 5000	< 2500	< 2500	< 625	< 620	< 620	< 630	< 630	< 630	< 10
2-Hexanone	µg/L	50	< 50	< 50	< 5000	< 5000	< 2500	< 2500	< 625	< 250	< 250	< 250	< 250	< 250	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 5000	< 5000	< 2500	< 2500	< 625	< 250	< 250	< 250	< 250	< 250	< 10
Acetone	µg/L	50	< 50	< 50	< 5000	< 5000	< 2500	< 2500	< 625	< 620	< 620	< 630	< 630	< 630	< 10
Benzene	µg/L	1	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 18	< 18	< 0.7
Bromodichloromethane	µg/L	50	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Bromoform	µg/L	50	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Bromomethane	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Carbondisulfide	µg/L	60	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Carbontetrachloride	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	16
Chlorobenzene	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Chloroethane	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	2
Chloromethane	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
cis-1,2-Dichloroethene	µg/L	5	5460	4760	5000	4710	5750	1740	2100	1900	2200	2400	2100	710	1700
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Dibromochloromethane	µg/L	50	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Ethylbenzene	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Methylene chloride	µg/L	5	21	< 6	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
o-Xylene	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Styrene	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Tetrachloroethene	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Toluene	µg/L	5	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
trans-1,2-Dichloroethene	µg/L	5	16	12	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	13
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 500	< 500	< 250	< 250	< 125	< 120	< 120	< 130	< 130	< 130	< 1
Trichloroethene	µg/L	5	1700	1970	1390	2540	4310	2010	850	330	< 120	50	< 130	< 130	110
Vinyl chloride	µg/L	2	100	83	< 500	< 500	< 250	< 250	< 125	< 120	< 120	170	190	83	110
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-2											
Sample Date			10/1/2002	10/21/2003	4/26/2004	10/11/2004	10/13/2005	10/7/2007	10/21/2008	10/14/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013	4/11/2014
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	56	< 50	3.3	12	13	7.1	< 40	19	11	57	9.5	6.3	4
1,1,2,2-Tetrachloroethane	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.21	< 0.21	< 0.21	< 1.1	< 1.1	< 1
1,1,2-Trichloroethane	µg/L	1	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.23	< 0.23	< 0.23	< 1.2	< 1.2	< 1
1,1-Dichloroethane	µg/L	5	< 20	< 50	1.6	4.3	4.3	2	< 40	4.7	2.9	6.5	4.7	5.1	3.6
1,1-Dichloroethene	µg/L	5	< 20	< 50	0.62	< 10	1.6	< 1	< 40	1.5	1.2	3	1.9	< 1.5	< 1
1,2-Dichloroethane	µg/L	0.6	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.21	< 0.21	< 0.21	< 1.1	< 1.1	< 1
1,2-Dichloropropane	µg/L	1	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.32	< 0.72	< 0.72	< 3.6	< 3.6	< 1
2-Butanone	µg/L	50	< 200	< 250	< 5	< 50	< 5	56000	< 200	< 1.3	< 1.3	< 1.3	< 6.6	< 6.6	< 5
2-Hexanone	µg/L	50	< 200	< 250	< 5	< 50	< 5	< 5	< 200	< 1.2	< 1.2	< 1.2	< 6.2	< 6.2	< 5
4-Methyl-2-pentanone	µg/L		< 200	< 250	< 5	< 50	< 5	< 5	< 200	< 0.91	< 2.1	< 2.1	< 11	< 11	< 5
Acetone	µg/L	50	< 200	< 250	< 5	< 50	< 5	2900	< 200	< 1.3	< 3	< 3	15	< 15	< 5
Benzene	µg/L	1	< 14	< 250	< 1	< 10	< 1	< 1	< 200	< 0.41	< 0.41	< 0.41	< 2.1	< 2.1	< 1
Bromodichloromethane	µg/L	50	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.39	< 0.39	< 0.39	< 2	< 2	< 1
Bromoform	µg/L	50	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.26	< 0.26	< 0.26	< 1.3	< 1.3	< 1
Bromomethane	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.28	< 0.69	< 0.69	< 3.5	< 3.5	< 1
Carbondisulfide	µg/L	60	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.19	< 0.19	< 0.19	< 0.95	< 0.95	< 1
Carbontetrachloride	µg/L	5	< 60	< 50	< 1	< 10	< 1	< 1	< 40	< 0.27	< 0.27	< 0.27	< 1.4	< 1.4	< 1
Chlorobenzene	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.32	< 0.75	< 0.75	< 3.8	< 3.8	< 1
Chloroethane	µg/L	5	< 40	< 50	< 1	< 10	< 1	< 1	< 40	< 0.32	< 0.32	< 0.32	< 1.6	< 1.6	< 1
Chloroform (trichloromethane)	µg/L	7	< 20	< 50	1.5	4.6	1.9	0.8	< 40	1.5	2.2	1.8	< 1.7	< 1.7	0.57
Chloromethane	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.35	< 0.35	< 0.35	< 1.8	< 1.8	< 1
cis-1,2-Dichloroethene	µg/L	5	2200	1600	390	930	880	370	2300	920	550	1000	300	230	16
cis-1,3-Dichloropropene	µg/L	0.4	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.36	< 0.36	< 0.36	< 1.8	< 1.8	< 1
Dibromochloromethane	µg/L	50	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.32	< 0.32	< 0.32	< 1.6	< 1.6	< 1
Ethylbenzene	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.18	< 0.74	< 0.74	< 3.7	< 3.7	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 20	< 150	< 3	< 30	< 2	< 2	< 120	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 2
Methylene chloride	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.44	< 0.44	< 0.44	< 2.2	< 2.2	< 1
o-Xylene	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.36	< 0.76	< 0.76	< 3.8	< 3.8	< 1
Styrene	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.18	< 0.73	< 0.73	< 3.7	< 3.7	< 1
Tetrachloroethene	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.36	< 0.36	< 0.36	< 1.8	< 1.8	< 1
Toluene	µg/L	5	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.51	< 0.51	< 0.51	< 2.6	< 2.6	< 1
trans-1,2-Dichloroethene	µg/L	5	< 20	< 50	3.6	5.5	4.5	2.5	< 40	4	3	5.8	< 4.5	< 4.5	1.3
Trans-1,3-Dichloropropene	µg/L	0.4	< 20	< 50	< 1	< 10	< 1	< 1	< 40	< 0.37	< 0.37	< 0.37	< 1.9	< 1.9	< 1
Trichloroethene	µg/L	5	190	150	24	88	68	14	72	28	19	27	8.4	9.1	4.1
Vinyl chloride	µg/L	2	100	62	18	14	26	< 1	56	4.1	< 0.9	< 0.9	16	6.7	1.8
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-2												
Sample Date			10/30/2014	5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	10/12/2020
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	6.6	3.2	3.1	14	2.7	21	2.9	3.4	3	3.9	1.8	2.3	3.4
1,1,2,2-Tetrachloroethane	µg/L	5	< 1.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 1.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	5.2	3.4	4	10	3.1	13	2.1	2.5	3.5	4.1	2.5	3.1	4.3
1,1-Dichloroethene	µg/L	5	< 1.5	< 1	< 1	2.3	< 1	< 1	< 1	< 1	0.68	0.28	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 1.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 3.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA	NA
2-Butanone	µg/L	50	< 6.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10
2-Hexanone	µg/L	50	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 11	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 15	< 5	2.3	< 5	< 5	< 5	< 5	< 5	1.8	< 5	< 10	< 10	< 10
Benzene	µg/L	1	< 2.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 1.3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 3.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.95	< 1	< 1	< 1	< 1	< 1	< 1	0.23	< 1	< 1	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 1.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 3.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 1.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 1.7	1.2	1.2	0.63	0.46	0.65	0.64	1.3	1.1	1.2	2.9	1.4	1.7
Chloromethane	µg/L	5	< 1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	370	9.6	24	660	13	250	7.8	6.4	220	55	7.6	6.2	23
cis-1,3-Dichloropropene	µg/L	0.4	< 1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 1.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 3.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.1	9.6	9
m,p-xylene	µg/L	5	< 3.3	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 2.2	< 1	< 1	< 1	3.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 3.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 3.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 2.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 4.5	1.4	1.2	3.7	0.96	2.9	1.1	1	2.3	2.1	< 1	< 1	1.1
Trans-1,3-Dichloropropene	µg/L	0.4	< 1.9	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	6.2	4.1	5.1	10	3.2	7.7	2.7	2.7	5.4	5.1	6.9	6.5	6.4
Vinyl chloride	µg/L	2	57	0.83	< 1	180	3.3	200	2.8	1.9	220	170	0.98 J	1.1	17
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2

Location Code			EW-2					
Sample Date			4/14/2021	10/7/2021	4/11/2022	10/3/2022	10/19/2023	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result
VOLATILES								
1,1,1-Trichloroethane	µg/L	5	4.9	3.2	< 5 U	2.4	3.2	4.3
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	6.6	4.9	2.1 J J	4	4.6	3.8
1,1-Dichloroethene	µg/L	5	0.53 J	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	NA	NA	< 5 U	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 10	< 10 U	< 50 U+ U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5	< 5 U	< 25 U+ U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5 U	< 25 U+ U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 10 U+	< 10 U	< 50 U	< 10 U	< 10 U	< 10 U
Benzene	µg/L	1	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	4.1	1	< 5 U	1.3	2	5.1
Chloromethane	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	180	80	29	17	17	19
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		13	14	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U+ U
Toluene	µg/L	5	< 1	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	2	1.5	< 5 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1 U	< 5 U+ U	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	8.4	6.2	5.4	5.4	4.6	4.7
Vinyl chloride	µg/L	2	150	230	130	9.5	53	2.2
Xylene (total)	µg/L		< 2	NA	NA	NA	NA	NA

Location Code			EW-3											
Sample Date			4/15/1993	7/21/1993	10/14/1993	1/24/1994	7/19/1994	1/10/1995	1/29/1996	10/16/1996	10/29/1997	10/27/1998	10/27/1999	10/27/2000	10/10/2001
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	< 25	8	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	14
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
1,1-Dichloroethane	µg/L	5	< 5	< 5	< 25	5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	10
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	11
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
2-Butanone	µg/L	50	< 50	< 50	< 250	< 50	< 250	< 500	< 500	< 620	< 620	< 630	< 630	< 630	< 10
2-Hexanone	µg/L	50	< 50	< 50	< 250	< 50	< 250	< 500	< 500	< 250	< 250	< 250	< 250	< 250	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 250	< 50	< 250	< 500	< 500	< 250	< 250	< 250	< 250	< 250	< 10
Acetone	µg/L	50	< 50	< 50	< 250	< 50	< 250	< 500	< 500	< 620	< 620	< 630	< 630	< 630	< 10
Benzene	µg/L	1	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 18	< 18	< 18	< 0.7
Bromodichloromethane	µg/L	50	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Bromoform	µg/L	50	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Bromomethane	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Carbondisulfide	µg/L	60	< 5	< 5	279	6	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Carbontetrachloride	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	17
Chlorobenzene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Chloroethane	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	1
Chloromethane	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
cis-1,2-Dichloroethene	µg/L	5	215	208	815	270	1140	1380	2300	2800	3400	3700	4300	3200	4900
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Dibromochloromethane	µg/L	50	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Ethylbenzene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Methylene chloride	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
o-Xylene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Styrene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Tetrachloroethene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Toluene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
trans-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	43
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 25	< 5	< 25	< 50	< 100	< 120	< 120	< 130	< 130	< 130	< 1
Trichloroethene	µg/L	5	28	< 5	< 25	< 5	43	< 50	930	< 120	< 120	49	< 130	< 130	20
Vinyl chloride	µg/L	2	28	35	113	58	66	76	150	< 120	200	480	480	450	840
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-3											
Sample Date			10/1/2002	10/21/2003	38103	10/11/2004	10/13/2005	10/24/2006	10/7/2007	10/21/2008	10/14/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 100	< 250	25	20	44	11	28	< 80	22	19	28	< 41	< 41
1,1,2,2-Tetrachloroethane	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.21	< 0.21	< 0.21	< 11	< 11
1,1,2-Trichloroethane	µg/L	1	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.23	< 0.23	< 0.23	< 12	< 12
1,1-Dichloroethane	µg/L	5	< 100	< 250	8.7	< 50	16	4.2	14	< 80	13	11	13	< 19	< 19
1,1-Dichloroethene	µg/L	5	< 100	< 250	9.8	< 50	15	2.2	12	< 80	10	8.3	8.2	< 15	< 15
1,2-Dichloroethane	µg/L	0.6	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.21	< 0.21	< 0.21	< 11	< 11
1,2-Dichloropropane	µg/L	1	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.32	< 0.72	< 0.72	< 36	< 36
2-Butanone	µg/L	50	< 1000	< 1200	< 5	< 250	< 5	< 5	< 100	< 400	< 1.3	< 1.3	< 1.3	< 66	< 66
2-Hexanone	µg/L	50	< 1000	< 1200	< 5	< 250	< 5	< 5	< 100	< 400	< 1.2	< 1.2	< 1.2	< 62	< 62
4-Methyl-2-pentanone	µg/L		< 1000	< 1200	< 5	< 250	< 5	< 5	< 100	< 400	< 0.91	< 2.1	< 2.1	< 110	< 110
Acetone	µg/L	50	< 1000	< 1200	< 5	< 250	< 5	< 5	< 100	< 400	< 1.3	< 3	< 3	< 150	< 150
Benzene	µg/L	1	< 70	< 250	< 1	< 250	< 1	< 1	< 20	< 400	< 0.41	< 0.41	< 0.41	< 21	< 21
Bromodichloromethane	µg/L	50	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.39	< 0.39	< 0.39	< 20	< 20
Bromoform	µg/L	50	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.26	< 0.26	< 0.26	< 13	< 13
Bromomethane	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.28	< 0.69	< 0.69	< 35	< 35
Carbondisulfide	µg/L	60	< 100	< 250	< 1	< 50	0.54	< 1	< 20	56	< 0.19	< 0.19	< 0.19	< 9.5	< 9.5
Carbontetrachloride	µg/L	5	< 300	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.27	< 0.27	< 0.27	< 14	< 14
Chlorobenzene	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.32	< 0.75	< 0.75	< 38	< 38
Chloroethane	µg/L	5	< 200	< 250	< 1	< 50	0.54	< 1	< 20	< 80	< 0.32	< 0.32	< 0.32	< 16	< 16
Chloroform (trichloromethane)	µg/L	7	< 100	< 250	1.9	< 50	1.9	1.1	< 20	< 80	0.78	0.99	0.93	< 17	< 17
Chloromethane	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.35	< 0.35	< 0.35	< 18	< 18
cis-1,2-Dichloroethene	µg/L	5	16000	7000	5300	3800	5800	1000	6000	1700	4700	3400	3200	2200	2500
cis-1,3-Dichloropropene	µg/L	0.4	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.36	< 0.36	< 0.36	< 18	< 18
Dibromochloromethane	µg/L	50	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.32	< 0.32	< 0.32	< 16	< 16
Ethylbenzene	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.18	< 0.74	< 0.74	< 37	< 37
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 100	< 750	< 3	< 150	< 2	< 2	< 60	< 240	< 0.66	< 0.66	< 0.66	< 33	< 33
Methylene chloride	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	41	< 80	< 0.44	< 0.44	< 0.44	< 22	< 22
o-Xylene	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.36	< 0.76	< 0.76	< 38	< 38
Styrene	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.18	< 0.73	< 0.73	< 37	< 37
Tetrachloroethene	µg/L	5	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.36	< 0.36	< 0.36	< 18	< 18
Toluene	µg/L	5	< 100	< 250	< 1	< 50	0.44	< 1	< 20	< 80	< 0.51	< 0.51	< 0.51	< 26	< 26
trans-1,2-Dichloroethene	µg/L	5	< 100	< 250	24	16	29	4.1	17	< 80	14	13	13	< 45	< 45
Trans-1,3-Dichloropropene	µg/L	0.4	< 100	< 250	< 1	< 50	< 1	< 1	< 20	< 80	< 0.37	< 0.37	< 0.37	< 19	< 19
Trichloroethene	µg/L	5	< 200	< 250	14	21	42	38	22	< 80	16	14	13	< 23	< 23
Vinyl chloride	µg/L	2	1100	760	580	330	910	54	790	3500	720	830	860	800	1200
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-3											
Sample Date			4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 50	< 41	15	14	17	17	17	14	16	3.4	12	11	9.6
1,1,2,2-Tetrachloroethane	µg/L	5	< 50	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 50	< 12	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 50	< 19	12	11	14	12	13	16	14	4.1	10	12	10
1,1-Dichloroethene	µg/L	5	< 50	< 15	5.7	6.7	< 10	< 10	< 10	< 10	< 10	< 2.5	0.83	< 1	0.55 J
1,2-Dichloroethane	µg/L	0.6	< 50	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 50	< 36	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	NA	NA
2-Butanone	µg/L	50	< 250	< 66	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 13	< 13	< 10	< 10
2-Hexanone	µg/L	50	< 250	< 62	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 13	< 13	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 250	< 110	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 13	< 13	< 5	< 5
Acetone	µg/L	50	< 250	< 150	< 50	< 50	< 50	< 50	< 50	< 50	< 50	4.3	< 13	< 10	< 10
Benzene	µg/L	1	< 250	< 21	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Bromodichloromethane	µg/L	50	< 50	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Bromoform	µg/L	50	< 50	< 13	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Bromomethane	µg/L	5	< 50	< 35	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Carbondisulfide	µg/L	60	< 50	< 9.5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	5.5	< 1	< 1
Carbontetrachloride	µg/L	5	< 50	< 14	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Chlorobenzene	µg/L	5	< 50	< 38	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Chloroethane	µg/L	5	< 50	< 16	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 50	< 17	< 10	4.3	< 10	< 10	< 10	< 10	3.4	0.98	< 2.5	0.39 J	0.54 J
Chloromethane	µg/L	5	< 50	< 18	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	2700	2300	1900	1900	1300	2000	1600	1300	1600	170	120	50	78
cis-1,3-Dichloropropene	µg/L	0.4	< 50	< 18	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Dibromochloromethane	µg/L	50	< 50	< 16	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Ethylbenzene	µg/L	5	< 50	< 37	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26	27
m,p-xylene	µg/L	5	< 100	< 33	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 5	< 5	< 2	< 2
Methylene chloride	µg/L	5	22	< 22	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
o-Xylene	µg/L	5	< 50	< 38	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Styrene	µg/L	5	< 50	< 37	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Tetrachloroethene	µg/L	5	< 50	< 18	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Toluene	µg/L	5	< 50	< 26	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 50	< 45	9.8	8.8	8.2	9.3	10	8.4	12	2.4	5.2	4.8	4.4
Trans-1,3-Dichloropropene	µg/L	0.4	< 50	< 19	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.5	< 2.5	< 1	< 1
Trichloroethene	µg/L	5	< 50	< 23	6	6.5	5.5	6.2	4.6	4.3	5.1	4.6	4	3.5	3.1
Vinyl chloride	µg/L	2	990	910	1200	960	800	660	720	860	1000	370	650	530	590
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2

Location Code			EW-3						
Sample Date			10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	10/19/2023	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result
VOLATILES									
1,1,1-Trichloroethane	µg/L	5	10	4.7	13	10	< 20 U	< 20 U	< 20 UJ
1,1,2,2-Tetrachloroethane	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
1,1,2-Trichloroethane	µg/L	1	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
1,1-Dichloroethane	µg/L	5	12	6.8	14	14	14 J J	16 J J	12 J J
1,1-Dichloroethene	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
1,2-Dichloroethane	µg/L	0.6	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
1,2-Dichloropropane	µg/L	1	NA	NA	NA	< 10 U	< 20 U	< 20 U	< 20 UJ
2-Butanone	µg/L	50	< 100	< 40	< 100 U	< 100 U+ U	< 200 U	< 200 U	< 200 U+ UJ
2-Hexanone	µg/L	50	< 50	< 20	< 50 U	< 50 U+ U	< 100 U	< 100 U	< 100 UJ
4-Methyl-2-pentanone	µg/L		< 50	< 20	< 50 U	< 50 U+ U	< 100 U	< 100 U	< 100 UJ
Acetone	µg/L	50	< 100	< 40 U+	< 100 U	< 100 U	< 200 U	< 200 U	< 200 UJ
Benzene	µg/L	1	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Bromodichloromethane	µg/L	50	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Bromoform	µg/L	50	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Bromomethane	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Carbondisulfide	µg/L	60	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Carbontetrachloride	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Chlorobenzene	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Chloroethane	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Chloroform (trichloromethane)	µg/L	7	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Chloromethane	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U+ UJ
cis-1,2-Dichloroethene	µg/L	5	63	12	240	470 J-	510	270	56 J
cis-1,3-Dichloropropene	µg/L	0.4	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Dibromochloromethane	µg/L	50	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Ethylbenzene	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Freon 113	µg/L		28	11	32	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 20	< 8	< 20 U	< 20 U	< 40 U	< 40 U	< 40 UJ
Methylene chloride	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
o-Xylene	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Styrene	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Tetrachloroethene	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Toluene	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
trans-1,2-Dichloroethene	µg/L	5	< 10	< 4	< 10 U	< 10 U	< 20 U	< 20 U	< 20 UJ
Trans-1,3-Dichloropropene	µg/L	0.4	< 10	< 4	< 10 U	< 10 U+ U	< 20 U	< 20 U	< 20 UJ
Trichloroethene	µg/L	5	< 10	< 4	< 10 U	5.9 J J	< 20 U	< 20 U	< 20 UJ
Vinyl chloride	µg/L	2	500	150	890	1100 F1 J-	1100	1100	700 J
Xylene (total)	µg/L		< 20	< 8	NA	NA	NA	NA	NA

Location Code			EW-4											
Sample Date			4/15/1993	7/21/1993	10/14/1993	1/24/1994	7/19/1994	1/10/1995	1/29/1996	10/16/1996	10/29/1997	10/27/1998	10/27/1999	10/27/2000	10/10/2001
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	2
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
1,1-Dichloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	3
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
2-Butanone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 250	< 125	< 120	< 120	< 10	< 10	< 130	< 10
2-Hexanone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 250	< 125	< 50	< 50	< 10	< 10	< 50	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 50	< 50	< 50	< 250	< 125	< 50	< 50	< 10	< 10	< 50	< 10
Acetone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 250	< 125	< 120	< 120	< 10	< 10	< 130	< 10
Benzene	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 0.7	< 0.7	< 4	< 0.7
Bromodichloromethane	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Bromoform	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Bromomethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Carbondisulfide	µg/L	60	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Carbontetrachloride	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	15
Chlorobenzene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Chloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Chloromethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
cis-1,2-Dichloroethene	µg/L	5	121	156	654	173	488	628	340	200	210	130	120	270	770
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Dibromochloromethane	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Ethylbenzene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Methylene chloride	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
o-Xylene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Styrene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Tetrachloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Toluene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
trans-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	6
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 1	< 1	< 25	< 1
Trichloroethene	µg/L	5	< 5	< 5	28	< 5	21	< 25	< 25	< 25	< 25	11	1	< 25	5
Vinyl chloride	µg/L	2	16	23	67	25	34	43	60	38	57	29	71	71	190
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-4											
Sample Date			10/1/2002	10/21/2003	38103	10/11/2004	10/13/2005	10/24/2006	10/7/2007	10/21/2008	10/14/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 100	< 40	< 20	2.4	4.3	4.6	< 10	5.9	4.8	5.5	13	2.9	2.3
1,1,2,2-Tetrachloroethane	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.21	< 0.21	< 0.21	< 0.42	< 0.42
1,1,2-Trichloroethane	µg/L	1	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.23	< 0.23	< 0.23	< 0.46	< 0.46
1,1-Dichloroethane	µg/L	5	< 100	< 40	< 20	1.8	< 10	2.7	< 10	< 10	3	3.8	4.7	1.9	1.8
1,1-Dichloroethene	µg/L	5	< 100	< 40	< 20	1.2	< 10	2.7	< 10	< 10	2.8	2.3	1.9	0.93	< 0.58
1,2-Dichloroethane	µg/L	0.6	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.21	< 0.21	< 0.21	< 0.42	< 0.42
1,2-Dichloropropane	µg/L	1	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.32	< 0.72	< 0.72	< 1.4	< 1.4
2-Butanone	µg/L	50	< 1000	< 200	< 100	< 5	< 50	< 5	< 50	< 50	< 1.3	< 1.3	< 1.3	< 2.6	< 2.6
2-Hexanone	µg/L	50	< 1000	< 200	< 100	< 5	< 50	< 5	< 50	< 50	< 1.2	< 1.2	< 1.2	< 2.5	< 2.5
4-Methyl-2-pentanone	µg/L		< 1000	< 200	< 100	< 5	< 50	< 5	< 50	< 50	< 0.91	< 2.1	< 2.1	< 4.2	< 4.2
Acetone	µg/L	50	< 1000	< 200	< 100	< 5	< 50	< 5	< 50	< 50	< 1.3	< 3	< 3	< 6	< 6
Benzene	µg/L	1	< 70	< 200	< 20	< 1	< 10	< 1	< 10	< 10	< 0.41	< 0.41	< 0.41	< 0.82	< 0.82
Bromodichloromethane	µg/L	50	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.39	< 0.39	< 0.39	< 0.78	< 0.78
Bromoform	µg/L	50	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.26	< 0.26	< 0.26	< 0.52	< 0.52
Bromomethane	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.28	< 0.69	< 0.69	< 1.4	< 1.4
Carbondisulfide	µg/L	60	< 100	< 40	< 20	< 1	< 10	< 1	< 10	4.7	< 0.19	< 0.19	< 0.19	< 0.38	< 0.38
Carbontetrachloride	µg/L	5	< 300	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.27	< 0.27	< 0.27	< 0.54	< 0.54
Chlorobenzene	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.32	< 0.75	< 0.75	< 1.5	< 1.5
Chloroethane	µg/L	5	< 200	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.32	< 0.32	< 0.32	< 0.64	< 0.64
Chloroform (trichloromethane)	µg/L	7	< 100	< 40	< 20	0.47	< 10	0.51	< 10	< 10	< 0.34	0.67	0.52	< 0.68	< 0.68
Chloromethane	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.35	< 0.35	< 0.35	< 0.7	< 0.7
cis-1,2-Dichloroethene	µg/L	5	5100	990	860	480	980	990	520	1900	1400	1200	820	130	96
cis-1,3-Dichloropropene	µg/L	0.4	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.36	< 0.36	< 0.36	< 0.72	< 0.72
Dibromochloromethane	µg/L	50	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.32	< 0.32	< 0.32	< 0.64	< 0.64
Ethylbenzene	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.18	< 0.74	< 0.74	< 1.5	< 1.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 100	< 120	< 60	< 3	< 20	< 2	< 30	< 30	< 0.66	< 0.66	< 0.66	< 1.3	< 1.3
Methylene chloride	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	19	< 10	< 0.44	< 0.44	< 0.44	< 0.88	< 0.88
o-Xylene	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.36	< 0.76	< 0.76	< 1.5	< 1.5
Styrene	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.18	< 0.73	< 0.73	< 1.5	< 1.5
Tetrachloroethene	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.36	< 0.36	< 0.36	< 0.72	< 0.72
Toluene	µg/L	5	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.51	< 0.51	< 0.51	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 100	< 40	< 20	4.5	8.5	4.2	< 10	52	4.9	5.3	5	2	2.1
Trans-1,3-Dichloropropene	µg/L	0.4	< 100	< 40	< 20	< 1	< 10	< 1	< 10	< 10	< 0.37	< 0.37	< 0.37	< 0.74	< 0.74
Trichloroethene	µg/L	5	< 200	< 40	< 20	2	4.5	6.5	< 10	8.2	6.3	3.5	6.2	1.2	1.2
Vinyl chloride	µg/L	2	410	170	140	130	210	130	140	240	160	230	130	97	110
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-4											
Sample Date			4/11/2014	10/30/2014	5/18/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	9/23/2019	6/29/2020
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	1.7	1.2	0.85	1.1	0.88	0.93	1.1	0.81	0.52	0.93	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 0.21	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 2	< 0.23	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	1.3	0.83	1.1	1.1	0.91	1.6	1.9	1	1.3	1.9	1.6	1.4	0.8 J
1,1-Dichloroethene	µg/L	5	< 2	< 0.29	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 2	< 0.21	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 2	< 0.72	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA	NA
2-Butanone	µg/L	50	< 10	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10
2-Hexanone	µg/L	50	< 10	< 1.2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 2.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 10	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10
Benzene	µg/L	1	< 2	< 0.41	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 2	< 0.39	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 2	< 0.26	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 2	< 0.69	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 2	< 0.19	0.53	2.4	< 1	0.61	0.3	< 1	< 1	1.9	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 2	< 0.27	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 2	< 0.75	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 2	< 0.32	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 2	< 0.34	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 2	< 0.35	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	70	37	27	34	25	39	69	32	25	34	29	26	9.9
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 0.36	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 2	< 0.32	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 2	< 0.74	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7	1.1	1.2
m,p-xylene	µg/L	5	< 4	< 0.66	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 2	< 0.44	< 1	< 1	0.91	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	µg/L	5	< 2	< 0.76	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 2	< 0.73	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 2	< 0.36	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 2	< 0.51	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 2	1.2	1.1	1.3	1.3	1.9	1.8	0.88	0.86	1.7	< 1	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 0.37	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 2	0.57	0.41	0.77	0.57	0.71	0.85	0.42	0.41	0.72	0.51 J	< 1	< 1
Vinyl chloride	µg/L	2	83	65	57	56	34	50	54	36	42	63	58	51	22
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 2	< 2

Location Code			EW-4						
Sample Date			10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	10/19/2023	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result
VOLATILES									
1,1,1-Trichloroethane	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2 U
1,1-Dichloroethane	µg/L	5	1.4	1.4	1.4	0.49 J J	1.2	0.73 J J	1
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	NA	NA	NA	< 1 U	< 1 U	< 1 U	< 1 UF2F1 U
2-Butanone	µg/L	50	< 10	< 10	< 10 U	< 10 U+ U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5	< 5	< 5 U	< 5 U+ U	< 5 U	< 5 U	< 5 UF2 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5 U	< 5 U+ U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 10	< 10 U+	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UF2 U
Benzene	µg/L	1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1 U
Bromoform	µg/L	50	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2 U
Carbondisulfide	µg/L	60	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	0.32 J J
Carbontetrachloride	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2 U
cis-1,2-Dichloroethene	µg/L	5	18	16	12	5.1	6.2	5.7	4.9 F2 J
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		1.5	1.3	1.5	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2 U
o-Xylene	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1+ U
Toluene	µg/L	5	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF2F1 U
trans-1,2-Dichloroethene	µg/L	5	< 1	< 1	< 1 U	< 1 U	1.3	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1 U	< 1 U+ U	< 1 U	< 1 U	< 1 UF2F1 U
Trichloroethene	µg/L	5	< 1	0.47 J	0.48 J J	< 1 U	0.64 J J	1.7	< 1 U
Vinyl chloride	µg/L	2	43	30	34	10	21 F1 J+	16	17 F2 J
Xylene (total)	µg/L		< 2	< 2	NA	NA	NA	NA	NA

Location Code			EW-5											
Sample Date			4/15/1993	7/21/1993	10/14/1993	1/24/1994	7/19/1994	1/10/1995	1/29/1996	10/16/1996	10/29/1997	10/27/1998	10/27/1999	10/27/2000	10/10/2001
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
1,1-Dichloroethane	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
1,1-Dichloroethene	µg/L	5	26	10	< 25	< 250	< 25	< 25	< 25	< 5	< 5	2	1	< 5	< 1
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
2-Butanone	µg/L	50	< 50	< 50	< 250	< 2500	< 250	< 250	< 125	73	< 25	< 10	< 10	< 25	< 10
2-Hexanone	µg/L	50	< 50	< 50	< 250	< 2500	< 250	< 250	< 125	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 250	< 2500	< 250	< 250	< 125	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	µg/L	50	< 50	< 50	< 250	< 2500	< 250	< 250	< 125	< 25	< 25	< 10	< 10	< 25	< 10
Benzene	µg/L	1	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	µg/L	50	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Bromoform	µg/L	50	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Bromomethane	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Carbondisulfide	µg/L	60	< 5	< 5	797	< 250	< 25	< 25	< 25	< 5	< 5	< 1	4	< 5	8
Carbontetrachloride	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	14
Chlorobenzene	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Chloroethane	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Chloromethane	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
cis-1,2-Dichloroethene	µg/L	5	655	315	1410	724	591	674	270	120	110	83	79	78	250
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Dibromochloromethane	µg/L	50	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Ethylbenzene	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Methylene chloride	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
o-Xylene	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Styrene	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Tetrachloroethene	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Toluene	µg/L	5	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
trans-1,2-Dichloroethene	µg/L	5	7	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	1	< 1	< 5	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 25	< 250	< 25	< 25	< 25	< 5	< 5	< 1	< 1	< 5	< 1
Trichloroethene	µg/L	5	< 5	< 5	59	< 250	< 25	< 25	< 25	< 5	< 5	1	< 1	< 5	5
Vinyl chloride	µg/L	2	153	85	157	< 250	45	66	83	46	48	42	48	40	130
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-5											
Sample Date			10/1/2002	10/21/2003	38103	10/11/2004	10/13/2005	10/24/2006	10/7/2007	10/21/2008	10/14/2009	10/10/2010	10/11/2011	41193	11/12/2012
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 50	< 40	< 20	2.8	2.9	5.2	< 4	5.6	5.4	4.7	14	14	4.4
1,1,2,2-Tetrachloroethane	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.21	< 0.21	< 0.21	< 0.21	< 1.1
1,1,2-Trichloroethane	µg/L	1	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.23	< 0.23	< 0.23	< 0.23	< 1.2
1,1-Dichloroethane	µg/L	5	< 50	< 40	< 20	1.6	1.9	2.8	< 4	< 4	3	2.6	4.2	4.2	2.1
1,1-Dichloroethene	µg/L	5	< 50	< 40	< 20	2.6	2.8	4	< 4	< 4	2.6	1.9	2.6	2.6	< 1.5
1,2-Dichloroethane	µg/L	0.6	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.21	< 0.21	< 0.21	< 0.21	< 1.1
1,2-Dichloropropane	µg/L	1	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.32	< 0.72	< 0.72	< 0.72	< 3.6
2-Butanone	µg/L	50	< 500	< 200	< 100	< 5	< 5	< 5	< 20	< 20	< 1.3	< 1.3	< 1.3	< 1.3	< 6.6
2-Hexanone	µg/L	50	< 500	< 200	< 100	< 5	< 5	< 5	< 20	< 20	< 1.2	< 1.2	< 1.2	< 1.2	< 6.2
4-Methyl-2-pentanone	µg/L		< 500	< 200	< 100	< 5	< 5	< 5	< 20	< 20	< 0.91	< 2.1	< 2.1	< 2.1	< 11
Acetone	µg/L	50	< 500	< 200	< 100	< 5	< 5	< 5	< 20	< 20	< 1.3	< 3	< 3	< 3	< 15
Benzene	µg/L	1	< 35	< 200	< 20	< 1	< 1	< 1	< 4	< 4	< 0.41	< 0.41	< 0.41	< 0.41	< 2.1
Bromodichloromethane	µg/L	50	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.39	< 0.39	< 0.39	< 0.39	< 2
Bromoform	µg/L	50	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.26	< 0.26	< 0.26	< 0.26	< 1.3
Bromomethane	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.28	< 0.69	< 0.69	< 0.69	< 3.5
Carbondisulfide	µg/L	60	< 50	11	< 20	< 1	0.77	< 1	< 4	3.7	< 0.19	< 0.19	< 0.19	< 0.19	< 0.95
Carbontetrachloride	µg/L	5	< 150	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.27	< 0.27	< 0.27	< 0.27	< 1.4
Chlorobenzene	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.32	< 0.75	< 0.75	< 0.75	< 3.8
Chloroethane	µg/L	5	< 100	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.32	< 0.32	< 0.32	< 0.32	< 1.6
Chloroform (trichloromethane)	µg/L	7	< 50	< 40	< 20	0.41	0.43	0.56	< 4	< 4	0.53	0.6	0.67	0.67	< 1.7
Chloromethane	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.35	< 0.35	< 0.35	< 0.35	< 1.8
cis-1,2-Dichloroethene	µg/L	5	1100	880	940	710	840	1200	270	1400	1100	590	800	800	200
cis-1,3-Dichloropropene	µg/L	0.4	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.36	< 0.36	< 0.36	< 0.36	< 1.8
Dibromochloromethane	µg/L	50	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.32	< 0.32	< 0.32	< 0.32	< 1.6
Ethylbenzene	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.18	< 0.74	< 0.74	< 0.74	< 3.7
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 50	< 120	< 60	< 3	< 2	< 2	< 12	< 12	< 0.66	< 0.66	< 0.66	< 0.66	< 3.3
Methylene chloride	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.44	< 0.44	< 0.44	< 0.44	< 2.2
o-Xylene	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.36	< 0.76	< 0.76	< 0.76	< 3.8
Styrene	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.18	< 0.73	< 0.73	< 0.73	< 3.7
Tetrachloroethene	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.36	< 0.36	< 0.36	< 0.36	< 1.8
Toluene	µg/L	5	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.51	< 0.51	< 0.51	< 0.51	< 2.6
trans-1,2-Dichloroethene	µg/L	5	< 50	< 40	< 20	3.1	5.2	6.2	< 4	6.6	7	6	7.3	7.3	< 4.5
Trans-1,3-Dichloropropene	µg/L	0.4	< 50	< 40	< 20	< 1	< 1	< 1	< 4	< 4	< 0.37	< 0.37	< 0.37	< 0.37	< 1.9
Trichloroethene	µg/L	5	< 100	< 40	< 20	3	3.7	6.5	< 4	5.1	5.6	2.5	3	3	< 2.3
Vinyl chloride	µg/L	2	210	230	260	260	330	270	38	280	300	220	240	240	150
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-5											
Sample Date			10/22/2013	4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015	4/27/2016	10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 4.1	4.3	4.2	11	4.2	1.5	1.1	15	0.96	2.9	2.1	1.1	1.1
1,1,2,2-Tetrachloroethane	µg/L	5	< 1.1	< 5	< 1.1	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 1.2	< 5	< 1.2	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 1.9	5.4	4.5	10	5.2	2.6	2.4	10	2.3	2.5	2.4	2	6.1
1,1-Dichloroethene	µg/L	5	< 1.5	1.5	< 1.5	< 10	< 5	< 2	0.8	2	< 2	0.74	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 1.1	< 5	< 1.1	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 3.6	< 5	< 3.6	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	NA
2-Butanone	µg/L	50	< 6.6	< 25	< 6.6	< 50	< 25	< 10	< 5	< 5	< 10	< 5	< 5	< 5	< 10
2-Hexanone	µg/L	50	< 6.2	< 25	< 6.2	< 50	< 25	< 10	< 5	< 5	< 10	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 11	< 25	< 11	< 50	< 25	< 10	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 15	< 25	< 15	< 50	< 50	< 10	< 5	5.8	6.3	< 5	2.2	< 5	< 10
Benzene	µg/L	1	< 2.1	< 5	< 2.1	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 2	< 5	< 2	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 1.3	< 5	< 1.3	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 3.5	< 5	< 3.5	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	< 0.95	< 5	< 0.95	< 10	< 5	6.4	4.3	0.31	0.6	0.41	0.31	1.1	0.39 J
Carbontetrachloride	µg/L	5	< 1.4	< 5	< 1.4	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 3.8	< 5	< 3.8	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 1.6	< 5	< 1.6	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 1.7	< 5	< 1.7	6.5	2.8	< 2	< 1	0.53	< 2	< 1	< 1	< 1	< 1
Chloromethane	µg/L	5	< 1.8	< 5	< 1.8	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	390	470	400	1600	450	140	85	530	78	220	62	19	3.1
cis-1,3-Dichloropropene	µg/L	0.4	< 1.8	< 5	< 1.8	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 1.6	< 5	< 1.6	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 3.7	< 5	< 3.7	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3
m,p-xylene	µg/L	5	< 3.3	< 10	< 3.3	< 20	< 10	< 4	< 2	< 2	< 4	< 2	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 2.2	< 5	< 2.2	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	0.49 J
o-Xylene	µg/L	5	< 3.8	< 5	< 3.8	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 3.7	< 5	< 3.7	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 1.8	< 5	< 1.8	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 2.6	< 5	< 2.6	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 4.5	< 5	< 4.5	10	4.3	2.8	3	4.1	3.2	1.7	1.4	0.99 J	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 1.9	< 5	< 1.9	< 10	< 5	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	< 2.3	< 5	< 2.3	5.6	2.4	1.2	0.96	4.9	1.1	1.5	1.6	0.62 J	0.52 J
Vinyl chloride	µg/L	2	81	430	430	1000	500	230	150	210	170	150	170	72	2.9
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2

Location Code			EW-5							
Sample Date			6/29/2020	10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022	10/19/2023	10/22/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES										
1,1,1-Trichloroethane	µg/L	5	< 1	1.2	1.1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	1.1	3	2.9	1.1	0.87 J J	0.88 J J	1.1	0.66 J J
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	NA	NA	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10 U	< 10 U+ U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 5 U	< 5 U+ U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 5 U	< 5 U+ U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 10	< 10	< 10 U+	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzene	µg/L	1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 1 U	< 1 U	0.33 J J	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	6.4	9.8	19	21	27	13	3.3	16
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		< 1	4.8	3.1	< 1 U	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U+ U
Toluene	µg/L	5	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 1	1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1 U	< 1 U+ U	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	< 1	0.5 J	1.1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	µg/L	2	9.1	22	11	26	29	22	10	30
Xylene (total)	µg/L		< 2	< 2	< 2	NA	NA	NA	NA	NA

Location Code			EW-6											
Sample Date			4/15/1993	7/21/1993	10/14/1993	1/24/1994	7/19/1994	1/10/1995	2/2/1996	4/19/1996	7/17/1996	10/16/1996	1/15/1997	4/29/1997	7/22/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,1-Dichloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
2-Butanone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 25	< 25	< 25	< 25	< 10	< 10
2-Hexanone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	µg/L	50	< 50	< 50	< 50	< 50	< 50	< 50	< 25	< 25	< 25	< 25	< 25	< 10	< 10
Benzene	µg/L	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Bromodichloromethane	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Bromoform	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Bromomethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Carbondisulfide	µg/L	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.7	< 0.5
Carbontetrachloride	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Chlorobenzene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Chloroethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Chloromethane	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
cis-1,2-Dichloroethene	µg/L	5	119	113	508	136	204	235	140	115	69	59	470	35	34
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Dibromochloromethane	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Ethylbenzene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Methylene chloride	µg/L	5	< 5	< 5	< 5	< 5	14	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
o-Xylene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Styrene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Tetrachloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Toluene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
trans-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 0.5
Trichloroethene	µg/L	5	< 5	< 5	6	7	< 5	< 5	< 5	12	< 5	< 5	22	0.7	< 0.5
Vinyl chloride	µg/L	2	24	24	51	24	25	32	52	34	15	15	48	10	10
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-6											
Sample Date			10/29/1997	4/20/1998	10/27/1998	10/26/1999	10/27/2000	10/10/2001	37733	10/21/2003	38103	10/11/2004	10/13/2005	10/24/2006	10/7/2007
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	0.54	< 5	< 1	< 1
1,1-Dichloroethene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
2-Butanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 25	< 5	< 25	< 5	< 5
2-Hexanone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 5	< 25	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 5	< 25	< 5	< 5
Acetone	µg/L	50	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 25	< 5	< 25	< 5	< 5
Benzene	µg/L	1	< 0.5	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 2	< 5	< 1	< 5	< 1	< 1
Bromodichloromethane	µg/L	50	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Bromoform	µg/L	50	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Bromomethane	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Carbondisulfide	µg/L	60	< 0.5	1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Carbontetrachloride	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Chlorobenzene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Chloroethane	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Chloromethane	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	63	33	32	33	71	4	120	71	170	110	26	6.2	19
cis-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Dibromochloromethane	µg/L	50	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Ethylbenzene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 6	< 15	< 3	< 10	< 2	< 2
Methylene chloride	µg/L	5	< 0.5	< 2	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
o-Xylene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Styrene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Tetrachloroethene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Toluene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 5	< 1	< 5	< 1	< 1
Trichloroethene	µg/L	5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 5	0.72	< 5	0.65	< 5	1.7	< 1
Vinyl chloride	µg/L	2	25	11	11	38	< 1	< 1	27	< 2	< 5	< 1	< 5	< 1	< 1
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-6												
Sample Date			10/21/2008	10/26/2009	40369	10/10/2010	10/11/2011	11/12/2012	10/22/2013	4/11/2014	10/30/2014	5/18/2015	6/20/2015	10/21/2015	4/27/2016
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	1.5	7.4	< 1	< 0.82	< 0.82	< 0.82	< 0.82	< 1	< 0.82	< 1	< 1	3.5	2.8
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 0.21	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 0.21	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	µg/L	1	< 1	< 0.23	< 1	< 0.23	< 0.23	< 0.23	< 0.23	< 1	< 0.23	< 1	< 1	< 1	< 1
1,1-Dichloroethane	µg/L	5	< 1	5.4	< 1	< 0.38	0.41	< 0.38	< 0.38	< 1	0.8	0.4	0.39	3.6	2.2
1,1-Dichloroethene	µg/L	5	< 1	3.1	< 1	< 0.29	< 0.29	< 0.29	< 0.29	< 1	< 0.29	< 1	< 1	< 1	< 1
1,2-Dichloroethane	µg/L	0.6	< 1	< 0.21	< 1	< 0.21	< 0.21	< 0.21	< 0.21	< 1	< 0.21	< 1	< 1	< 1	< 1
1,2-Dichloropropane	µg/L	1	< 1	< 0.33	< 1	< 0.72	< 0.72	< 0.72	< 0.72	< 1	< 0.72	< 1	< 1	< 1	< 1
2-Butanone	µg/L	50	< 5	< 1.3	< 1	< 1.3	< 1.3	< 1.3	< 1.3	< 5	< 1.3	< 1	< 1	< 5	< 5
2-Hexanone	µg/L	50	< 5	< 1.2	< 1	< 1.2	< 1.2	< 1.2	< 1.2	< 5	< 1.2	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	µg/L		< 5	< 0.91	< 1	< 2.1	< 2.1	< 2.1	< 2.1	< 5	< 2.1	< 5	< 5	< 5	< 5
Acetone	µg/L	50	< 5	< 1.3	< 1	< 3	< 3	< 3	< 3	< 5	< 3	< 5	< 5	< 5	< 5
Benzene	µg/L	1	< 1	< 0.41	< 1	< 0.41	< 0.41	< 0.41	< 0.41	< 1	< 0.41	< 1	< 1	< 1	< 1
Bromodichloromethane	µg/L	50	< 1	< 0.39	< 1	< 0.39	< 0.39	< 0.39	< 0.39	< 1	< 0.39	< 1	< 1	< 1	< 1
Bromoform	µg/L	50	< 1	< 0.26	< 1	< 0.26	< 0.26	< 0.26	< 0.26	< 1	< 0.26	< 1	< 1	< 1	< 1
Bromomethane	µg/L	5	< 1	< 0.28	< 1	< 0.69	< 0.69	< 0.69	< 0.69	< 1	< 0.69	< 1	< 1	< 1	< 1
Carbondisulfide	µg/L	60	0.39	< 0.19	< 1	< 0.19	< 0.19	< 0.19	< 0.19	< 1	< 0.19	< 1	< 1	< 1	< 1
Carbontetrachloride	µg/L	5	< 1	< 0.27	< 1	< 0.27	< 0.27	< 0.27	< 0.27	< 1	< 0.27	< 1	< 1	< 1	< 1
Chlorobenzene	µg/L	5	< 1	< 0.32	< 1	< 0.75	< 0.75	< 0.75	< 0.75	< 1	< 0.75	< 1	< 1	< 1	< 1
Chloroethane	µg/L	5	< 1	< 0.32	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 0.32	< 1	< 1	< 1	< 1
Chloroform (trichloromethane)	µg/L	7	< 1	< 0.34	< 1	< 0.34	< 0.34	< 0.34	< 0.34	< 1	< 0.34	< 1	< 1	0.68	< 1
Chloromethane	µg/L	5	< 1	< 0.35	< 1	< 0.35	< 0.35	< 0.35	< 0.35	< 1	< 0.35	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	µg/L	5	240	1900	41	21	37	8.9	8.9	18	77	26	12	19	10
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 0.36	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 0.36	< 1	< 1	< 1	< 1
Dibromochloromethane	µg/L	50	< 1	< 0.32	< 1	< 0.32	< 0.32	< 0.32	< 0.32	< 1	< 0.32	< 1	< 1	< 1	< 1
Ethylbenzene	µg/L	5	< 1	< 0.18	< 1	< 0.74	< 0.74	< 0.74	< 0.74	< 1	< 0.74	< 1	< 1	< 1	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 2	< 0.66	< 1	< 0.66	< 0.66	< 0.66	< 0.66	< 2	< 0.66	< 2	< 2	< 2	< 2
Methylene chloride	µg/L	5	< 1	< 0.44	< 1	< 0.44	< 0.44	< 0.44	< 0.44	< 1	< 0.44	< 1	< 1	< 1	0.9
o-Xylene	µg/L	5	< 1	< 0.36	< 1	< 0.76	< 0.76	< 0.76	< 0.76	< 1	< 0.76	< 1	< 1	< 1	< 1
Styrene	µg/L	5	< 1	< 0.18	< 1	< 0.73	< 0.73	< 0.73	< 0.73	< 1	< 0.73	< 1	< 1	< 1	< 1
Tetrachloroethene	µg/L	5	< 1	< 0.36	< 1	< 0.36	< 0.36	< 0.36	< 0.36	< 1	< 0.36	< 1	< 1	< 1	< 1
Toluene	µg/L	5	< 1	< 0.51	< 1	< 0.51	< 0.51	< 0.51	< 0.51	< 1	< 0.51	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	µg/L	5	0.86	5.9	< 1	< 0.9	< 0.9	< 0.9	< 0.9	< 1	< 0.9	0.48	0.46	1.6	1.2
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 0.37	< 1	< 0.37	< 0.37	< 0.37	< 0.37	< 1	< 0.37	< 1	< 1	< 1	< 1
Trichloroethene	µg/L	5	4.6	11	< 1	< 0.46	< 0.46	< 0.46	< 0.46	< 1	< 0.46	< 1	0.25	1.3	0.7
Vinyl chloride	µg/L	2	3	240	26	18	24	< 0.9	< 0.9	19	44	1.2	0.44	0.65	0.34
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-6										
Sample Date			10/19/2016	4/18/2017	11/15/2017	4/18/2018	10/30/2018	9/23/2019	6/29/2020	10/12/2020	4/14/2021	10/7/2021	4/11/2022	10/3/2022
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES														
1,1,1-Trichloroethane	µg/L	5	1.6	0.87	3.3	< 1	0.39	< 1	< 1	< 1	< 1	0.87 J J	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	3.6	0.89	2.9	0.61	0.55	< 1	0.5 J	< 1	0.61 J	1.6	0.82 J J	1.3
1,1-Dichloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	< 1	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	< 1 U	< 1 U
2-Butanone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10 U	< 10 U+ U	< 10 U
2-Hexanone	µg/L	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 U	< 5 U+ U	< 5 U
4-Methyl-2-pentanone	µg/L		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 U	< 5 U+ U	< 5 U
Acetone	µg/L	50	< 5	1.4	< 5	< 5	< 5	< 10	< 10	< 10	< 10 U+	< 10 U	< 10 U	< 10 U
Benzene	µg/L	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 1	< 1	< 1	< 1	0.47	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 1	< 1	0.64	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 1	< 1	< 1	< 1	0.33	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	69	36	170	29	2.1	11	18	21	7.8	32	28	32
cis-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		NA	NA	NA	NA	NA	< 1	< 1	< 1	0.45 J	1.6	NA	NA
m,p-xylene	µg/L	5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Toluene	µg/L	5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	1.6	0.64	1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 U	< 1 U+ U	< 1 U
Trichloroethene	µg/L	5	1.1	0.61	2.4	0.49	0.42	< 1	< 1	< 1	< 1	0.52 J J	< 1 U	< 1 U
Vinyl chloride	µg/L	2	0.48	< 1	10	37	< 1	< 1	< 1	0.97 J	< 1	36	20	19
Xylene (total)	µg/L		NA	NA	NA	NA	NA	< 2	< 2	< 2	< 2	NA	NA	NA

			Location Code	EW-6	
			Sample Date	10/19/2023	10/22/2024
	Units	GPS		Result	Result
VOLATILES					
1,1,1-Trichloroethane	µg/L	5		< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5		< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1		< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5		0.96 J J	0.79 J J
1,1-Dichloroethene	µg/L	5		< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6		< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1		< 1 U	< 1 U
2-Butanone	µg/L	50		< 10 U	< 10 U
2-Hexanone	µg/L	50		< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L			< 5 U	< 5 U
Acetone	µg/L	50		< 10 U	< 10 U
Benzene	µg/L	1		< 1 U	< 1 U
Bromodichloromethane	µg/L	50		< 1 U	< 1 U
Bromoform	µg/L	50		< 1 U	< 1 U
Bromomethane	µg/L	5		< 1 U	< 1 U
Carbondisulfide	µg/L	60		< 1 U	< 1 U
Carbontetrachloride	µg/L	5		< 1 U	< 1 U
Chlorobenzene	µg/L	5		< 1 U	< 1 U
Chloroethane	µg/L	5		< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7		< 1 U	< 1 U
Chloromethane	µg/L	5		< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5		16	2.1
cis-1,3-Dichloropropene	µg/L	0.4		< 1 U	< 1 U
Dibromochloromethane	µg/L	50		< 1 U	< 1 U
Ethylbenzene	µg/L	5		< 1 U	< 1 U
Freon 113	µg/L			NA	NA
m,p-xylene	µg/L	5		< 2 U	< 2 U
Methylene chloride	µg/L	5		< 1 U	< 1 U
o-Xylene	µg/L	5		< 1 U	< 1 U
Styrene	µg/L	5		< 1 U	< 1 U
Tetrachloroethene	µg/L	5		< 1 U	< 1 U+ U
Toluene	µg/L	5		< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5		< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4		< 1 U	< 1 U
Trichloroethene	µg/L	5		< 1 U	< 1 U
Vinyl chloride	µg/L	2		11	< 1 U
Xylene (total)	µg/L			NA	NA

Location Code			EW-7											
Sample Date			4/15/1993	7/21/1993	10/14/1993	1/24/1994	7/19/1994	1/10/1995	10/18/1995	1/31/1996	4/18/1996	7/17/1996	10/18/1996	1/15/1997	4/29/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 50	< 50	88	< 100	< 100	106	< 125	< 250	< 250	< 250	< 250	< 250	< 250
1,1,2,2-Tetrachloroethane	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
1,1,2-Trichloroethane	µg/L	1	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
1,1-Dichloroethane	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
1,1-Dichloroethene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
1,2-Dichloroethane	µg/L	0.6	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
1,2-Dichloropropane	µg/L	1	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
2-Butanone	µg/L	50	< 500	< 500	< 500	< 1000	< 1000	< 1000	< 1250	< 1250	< 1250	< 1250	< 1200	< 1200	< 1200
2-Hexanone	µg/L	50	< 500	< 500	< 500	< 1000	< 1000	< 1000	< 1250	< 1250	< 500	< 500	< 500	< 500	< 500
4-Methyl-2-pentanone	µg/L		< 500	< 500	< 500	< 1000	< 1000	< 1000	< 1250	< 1250	< 500	< 500	< 500	< 500	< 500
Acetone	µg/L	50	< 500	< 500	< 500	< 1000	< 1000	< 1000	< 1250	< 1250	< 1250	< 1250	< 1200	< 1200	< 1200
Benzene	µg/L	1	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Bromodichloromethane	µg/L	50	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Bromoform	µg/L	50	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Bromomethane	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Carbondisulfide	µg/L	60	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Carbontetrachloride	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Chlorobenzene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Chloroethane	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Chloroform (trichloromethane)	µg/L	7	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Chloromethane	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
cis-1,2-Dichloroethene	µg/L	5	860	4990	2720	2020	2680	7610	5500	8100	4800	6700	5200	4700	4900
cis-1,3-Dichloropropene	µg/L	0.4	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Dibromochloromethane	µg/L	50	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Ethylbenzene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Methylene chloride	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
o-Xylene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Styrene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Tetrachloroethene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Toluene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
trans-1,2-Dichloroethene	µg/L	5	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Trans-1,3-Dichloropropene	µg/L	0.4	< 50	< 50	< 50	< 100	< 100	< 100	< 125	< 250	< 250	< 250	< 250	< 250	< 250
Trichloroethene	µg/L	5	< 50	< 50	63	106	< 100	1140	502	560	320	870	< 250	< 250	< 250
Vinyl chloride	µg/L	2	76	446	437	403	453	690	990	990	590	510	520	520	680
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-7												
Sample Date			7/22/1997	10/30/1997	4/20/1998	10/29/1998	10/28/1999	10/26/2000	10/9/2001	10/2/2002	10/21/2003	10/11/2004	10/13/2005	10/24/2006	10/7/2007
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	51	< 250	< 50	< 250	< 20	< 250	17	240	100	80	82	68	< 50
1,1,2,2-Tetrachloroethane	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
1,1,2-Trichloroethane	µg/L	1	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
1,1-Dichloroethane	µg/L	5	25	< 250	< 50	< 250	< 20	< 250	25	110	< 200	< 100	32	29	< 50
1,1-Dichloroethene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	7	< 20	< 200	< 100	11	10	< 50
1,2-Dichloroethane	µg/L	0.6	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
1,2-Dichloropropane	µg/L	1	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
2-Butanone	µg/L	50	< 500	< 1200	< 500	< 1300	1600	< 1300	< 10	< 200	< 1000	< 500	< 5	< 5	< 250
2-Hexanone	µg/L	50	< 500	< 500	< 500	< 500	< 20	< 500	< 10	< 200	< 1000	< 500	< 5	< 5	< 250
4-Methyl-2-pentanone	µg/L		< 500	< 500	< 500	< 500	< 200	< 500	< 10	< 200	< 1000	< 500	< 5	< 5	< 250
Acetone	µg/L	50	< 500	< 1200	< 500	< 1300	< 200	< 1300	< 10	< 200	< 1000	< 500	< 5	< 5	< 250
Benzene	µg/L	1	< 25	< 250	< 35	< 250	< 14	< 35	< 0.7	< 14	< 200	< 100	< 1	< 1	< 250
Bromodichloromethane	µg/L	50	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Bromoform	µg/L	50	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Bromomethane	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Carbondisulfide	µg/L	60	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Carbontetrachloride	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	18	< 60	< 200	< 100	< 1	< 1	< 50
Chlorobenzene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Chloroethane	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 40	< 200	< 100	2.1	< 1	< 50
Chloroform (trichloromethane)	µg/L	7	< 25	< 250	< 50	< 250	< 200	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Chloromethane	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
cis-1,2-Dichloroethene	µg/L	5	4500	4300	2800	2700	< 20	3400	1700	1100	4100	3700	2900	2700	3200
cis-1,3-Dichloropropene	µg/L	0.4	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Dibromochloromethane	µg/L	50	< 25	< 250	< 50	< 250	< 200	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Ethylbenzene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 600	< 300	< 2	< 2	< 150
Methylene chloride	µg/L	5	68	< 250	< 100	< 250	< 20	< 250	< 1	< 20	< 200	< 100	12	12	< 50
o-Xylene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Styrene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Tetrachloroethene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Toluene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	0.54	0.58	< 50
trans-1,2-Dichloroethene	µg/L	5	< 25	< 250	< 50	< 250	< 20	< 250	23	< 20	< 200	< 100	13	8.6	< 50
Trans-1,3-Dichloropropene	µg/L	0.4	< 25	< 250	< 50	< 250	< 20	< 250	< 1	< 20	< 200	< 100	< 1	< 1	< 50
Trichloroethene	µg/L	5	150	< 250	88	< 250	26	< 250	10	< 40	< 200	< 100	22	20	< 50
Vinyl chloride	µg/L	2	600	650	500	3600	480	170	1300	1500	1200	990	890	780	1000
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-7												
Sample Date			10/22/2008	10/15/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/15/2017	10/31/2018	9/24/2019	10/14/2020
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	1.4	6.5	19	28	63	85	76	52	51	5	< 1	27	13
1,1,2,2-Tetrachloroethane	µg/L	5	< 2	< 0.21	< 0.21	< 0.21	< 4.2	< 2.1	< 2.1	< 1	< 5	< 1	< 1	< 4	< 1
1,1,2-Trichloroethane	µg/L	1	< 2	< 0.23	< 0.23	< 0.23	< 4.6	< 2.3	< 2.3	< 1	< 5	< 1	< 1	< 4	< 1
1,1-Dichloroethane	µg/L	5	2.6	6.7	12	15	29	43	32	27	23	4.4	< 1	24	14
1,1-Dichloroethene	µg/L	5	< 2	< 0.29	6.2	4.7	< 5.8	< 2.9	4.9	2.6	< 5	< 1	< 1	< 4	0.56 J
1,2-Dichloroethane	µg/L	0.6	< 2	< 0.21	< 0.21	< 0.21	< 4.2	< 2.1	< 2.1	< 1	< 5	< 1	< 1	< 4	< 1
1,2-Dichloropropane	µg/L	1	< 2	< 0.32	< 0.72	< 0.72	< 14	< 7.2	< 7.2	< 1	< 5	< 1	< 1	NA	NA
2-Butanone	µg/L	50	< 10	< 1.3	< 1.3	< 1.3	< 26	< 13	< 13	< 5	< 25	< 5	< 5	< 40	< 10
2-Hexanone	µg/L	50	< 10	< 1.2	< 1.2	< 1.2	< 25	< 12	< 12	< 5	< 25	< 5	< 5	< 20	< 5
4-Methyl-2-pentanone	µg/L		< 10	< 0.91	< 2.1	< 2.1	< 42	< 21	< 21	< 5	< 25	< 5	< 5	< 20	< 5
Acetone	µg/L	50	< 10	< 1.3	< 3	< 3	< 60	< 30	< 30	< 5	< 25	< 5	< 5	< 40	< 10
Benzene	µg/L	1	< 2	< 0.41	< 0.41	< 0.41	< 8.2	< 4.1	< 4.1	< 1	< 5	< 1	< 1	< 4	< 1
Bromodichloromethane	µg/L	50	< 2	< 0.39	< 0.39	< 0.39	< 7.8	< 3.9	< 3.9	< 1	< 5	< 1	< 1	< 4	< 1
Bromoform	µg/L	50	< 2	< 0.26	< 0.26	< 0.26	< 5.2	< 2.6	< 2.6	< 1	< 5	< 1	< 1	< 4	< 1
Bromomethane	µg/L	5	< 2	< 0.28	< 0.69	< 0.69	< 14	< 6.9	< 6.9	< 1	< 5	< 1	< 1	< 4	< 1
Carbondisulfide	µg/L	60	< 2	< 0.19	< 0.19	< 0.19	< 3.8	< 1.9	< 1.9	2.3	1.5	< 1	< 1	< 4	< 1
Carbontetrachloride	µg/L	5	< 2	< 0.27	< 0.27	< 0.27	< 5.4	< 2.7	NA	< 1	< 5	< 1	< 1	< 4	< 1
Chlorobenzene	µg/L	5	< 2	< 0.32	< 0.75	< 0.75	< 15	< 7.5	< 7.5	< 1	< 5	< 1	< 1	< 4	< 1
Chloroethane	µg/L	5	< 2	< 0.32	< 0.32	0.4	< 6.4	< 3.2	< 3.2	< 1	< 5	< 1	< 1	< 4	< 1
Chloroform (trichloromethane)	µg/L	7	< 2	< 0.34	< 0.34	< 0.34	< 6.8	< 3.4	< 3.4	< 1	< 5	< 1	< 1	< 4	< 1
Chloromethane	µg/L	5	< 2	< 0.35	< 0.35	< 0.35	< 7	< 3.5	< 3.5	< 1	< 5	< 1	< 1	< 4	< 1
cis-1,2-Dichloroethene	µg/L	5	150	89	2300	1400	1500	250	910	610	690	20	< 1	98	57
cis-1,3-Dichloropropene	µg/L	0.4	< 2	< 0.36	< 0.36	< 0.36	< 7.2	< 3.6	< 3.6	< 1	< 5	< 1	< 1	< 4	< 1
Dibromochloromethane	µg/L	50	< 2	< 0.32	< 0.32	< 0.32	< 6.4	< 3.2	< 3.2	< 1	< 5	< 1	< 1	< 4	< 1
Ethylbenzene	µg/L	5	< 2	< 0.18	< 0.74	< 0.74	< 15	< 7.4	< 7.4	0.2	< 5	< 1	< 1	< 4	< 1
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	15
m,p-xylene	µg/L	5	< 6	< 0.66	< 0.66	< 0.66	< 13	< 6.6	< 6.6	< 2	< 10	< 2	< 2	< 8	< 2
Methylene chloride	µg/L	5	< 2	< 0.44	3.1	1.6	< 8.8	< 4.4	< 4.4	8.6	16	< 1	< 1	< 4	< 1
o-Xylene	µg/L	5	< 2	< 0.36	< 0.76	< 0.76	< 15	< 7.6	< 7.6	0.24	< 5	< 1	< 1	< 4	< 1
Styrene	µg/L	5	< 2	< 0.18	< 0.73	< 0.73	< 15	< 7.3	< 7.3	< 1	< 5	< 1	< 1	< 4	< 1
Tetrachloroethene	µg/L	5	< 2	< 0.36	< 0.36	< 0.36	< 7.2	< 3.6	< 3.6	< 1	< 5	< 1	< 1	< 4	< 1
Toluene	µg/L	5	< 2	< 0.51	< 0.51	< 0.51	< 10	< 5.1	< 5.1	< 1	< 5	< 1	< 1	< 4	< 1
trans-1,2-Dichloroethene	µg/L	5	< 2	1.3	6.9	5.7	< 18	< 9	< 9	3.8	4	0.36	< 1	< 4	1.6
Trans-1,3-Dichloropropene	µg/L	0.4	< 2	< 0.37	< 0.37	< 0.37	< 7.4	< 3.7	< 3.7	< 1	< 5	< 1	< 1	< 4	< 1
Trichloroethene	µg/L	5	< 2	0.87	14	12	15	< 4.6	6.6	8.2	6.4	0.94	< 1	2.2 J	1.8
Vinyl chloride	µg/L	2	< 2	37	970	810	610	700	640	470	490	35	< 1	290	160
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 8	< 2

Location Code			EW-7				
Sample Date			10/14/2020	10/7/2021	10/4/2022	10/18/2023	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result
VOLATILES							
1,1,1-Trichloroethane	µg/L	5	11	< 1 U	11	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	µg/L	1	< 4	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	µg/L	5	13	< 1 U	14	< 1 U	< 1 U
1,1-Dichloroethene	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	µg/L	0.6	< 4	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	µg/L	1	NA	NA	< 1 U	< 1 U	< 1 U
2-Butanone	µg/L	50	< 40	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	µg/L	50	< 20	< 5 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	µg/L		< 20	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	µg/L	50	< 40	< 10 U	< 10 U	< 10 U	< 10 U
Benzene	µg/L	1	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	µg/L	50	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	µg/L	50	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	µg/L	60	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Carbontetrachloride	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform (trichloromethane)	µg/L	7	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	µg/L	5	55	< 1 U	66	< 1 U	< 1 U
cis-1,3-Dichloropropene	µg/L	0.4	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	µg/L	50	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Freon 113	µg/L		16	< 1 U	NA	NA	NA
m,p-xylene	µg/L	5	< 8	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	µg/L	5	< 4	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	µg/L	5	< 4	< 1 U	1.5	< 1 U	< 1 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 4	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	µg/L	5	< 4	< 1 U	2.4	< 1 U	< 1 U
Vinyl chloride	µg/L	2	120	< 1 U	230	1.9	< 1 U
Xylene (total)	µg/L		< 8	NA	NA	NA	NA

Location Code			EW-8											
Sample Date			4/15/1993	7/21/1993	10/14/1993	1/24/1994	7/19/1994	1/10/1995	10/18/1995	1/31/1996	4/18/1996	7/17/1996	10/18/1996	1/15/1997	4/29/1997
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	48	248	< 500	< 500	< 50	180	< 250	< 125	< 120	< 120	130
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
1,1-Dichloroethane	µg/L	5	< 5	6	6	< 50	< 500	< 500	< 50	34	< 250	< 125	< 120	< 120	< 120
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	26	< 250	< 125	< 120	< 120	< 120
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
2-Butanone	µg/L	50	< 50	< 50	< 50	< 500	< 5000	< 5000	< 500	< 125	< 1250	640	< 620	< 620	< 620
2-Hexanone	µg/L	50	< 50	< 50	< 50	< 500	< 5000	< 5000	< 500	< 125	< 500	< 250	< 250	< 250	< 250
4-Methyl-2-pentanone	µg/L		< 50	< 50	< 50	< 500	< 5000	< 5000	< 500	< 125	< 500	< 250	< 250	< 250	< 250
Acetone	µg/L	50	< 50	< 50	< 50	< 500	< 5000	< 5000	< 500	< 125	< 1250	< 625	< 620	< 620	< 620
Benzene	µg/L	1	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Bromodichloromethane	µg/L	50	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Bromoform	µg/L	50	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Bromomethane	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Carbondisulfide	µg/L	60	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Carbontetrachloride	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Chlorobenzene	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Chloroethane	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Chloromethane	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
cis-1,2-Dichloroethene	µg/L	5	< 5	1330	452	8540	8670	5900	620	7900	2200	2900	2000	3200	2900
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Dibromochloromethane	µg/L	50	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Ethylbenzene	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	320
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	990
Methylene chloride	µg/L	5	< 5	< 5	120	2170	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
o-Xylene	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	220
Styrene	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Tetrachloroethene	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Toluene	µg/L	5	< 5	< 5	6	< 50	535	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
trans-1,2-Dichloroethene	µg/L	5	< 5	< 5	< 5	< 50	< 500	< 500	< 50	120	< 250	< 125	< 120	< 120	< 120
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 5	< 50	< 500	< 500	< 50	< 25	< 250	< 125	< 120	< 120	< 120
Trichloroethene	µg/L	5	< 5	778	302	3260	5470	3780	55	2200	2300	1400	950	2600	1300
Vinyl chloride	µg/L	2	< 5	12	19	147	< 500	< 500	< 50	460	< 250	130	160	160	190
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-8											
Sample Date			7/22/1997	10/30/1997	4/20/1998	10/29/1998	10/29/1999	10/26/2000	10/9/2001	10/2/2002	10/21/2003	10/11/2004	10/24/2006	10/7/2007	10/22/2008
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	50	< 250	< 50	< 250	< 250	< 250	25	< 200	73	62	17	56	52
1,1,2,2-Tetrachloroethane	µg/L	5	< 25	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
1,1,2-Trichloroethane	µg/L	1	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
1,1-Dichloroethane	µg/L	5	16	< 250	< 50	< 250	< 250	< 250	8	< 200	< 100	< 100	3.6	19	< 50
1,1-Dichloroethene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	3	< 200	< 100	< 100	1.2	9.6	< 50
1,2-Dichloroethane	µg/L	0.6	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
1,2-Dichloropropane	µg/L	1	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
2-Butanone	µg/L	50	< 250	< 1200	< 500	< 1300	< 1300	< 1300	< 10	< 2000	< 500	< 500	< 5	< 5	< 250
2-Hexanone	µg/L	50	< 250	< 500	< 500	< 500	< 500	< 500	< 10	< 2000	< 500	< 500	< 5	< 5	< 250
4-Methyl-2-pentanone	µg/L		< 250	< 500	< 500	< 500	< 500	< 500	< 10	< 2000	< 500	< 500	< 5	< 5	< 250
Acetone	µg/L	50	< 250	< 1200	< 500	< 1300	< 1300	< 1300	< 10	< 2000	< 500	< 500	< 5	3	< 250
Benzene	µg/L	1	< 12	< 250	< 35	< 250	< 35	< 35	< 0.7	< 140	< 100	< 100	< 1	< 1	< 250
Bromodichloromethane	µg/L	50	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Bromoform	µg/L	50	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Bromomethane	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Carbondisulfide	µg/L	60	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Carbontetrachloride	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	19	< 600	< 100	< 100	< 1	< 1	< 50
Chlorobenzene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Chloroethane	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 400	< 100	< 100	< 1	< 1	< 50
Chloroform (trichloromethane)	µg/L	7	< 12	< 250	< 50	< 250	< 250	< 250	2	< 200	< 100	< 100	0.85	1.7	< 50
Chloromethane	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
cis-1,2-Dichloroethene	µg/L	5	4100	3300	1300	2500	2500	1800	940	3300	2700	3000	420	3600	2800
cis-1,3-Dichloropropene	µg/L	0.4	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Dibromochloromethane	µg/L	50	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Ethylbenzene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-xylene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 300	< 300	< 2	< 2	< 150
Methylene chloride	µg/L	5	28	< 250	< 100	< 250	< 250	< 250	< 1	< 200	64	< 100	< 1	< 1	< 50
o-Xylene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Styrene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Tetrachloroethene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Toluene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
trans-1,2-Dichloroethene	µg/L	5	< 12	< 250	< 50	< 250	< 250	< 250	10	< 200	< 100	< 100	1.8	13	< 50
Trans-1,3-Dichloropropene	µg/L	0.4	< 12	< 250	< 50	< 250	< 250	< 250	< 1	< 200	< 100	< 100	< 1	< 1	< 50
Trichloroethene	µg/L	5	2400	370	430	690	360	< 250	31	440	380	59	42	34	44
Vinyl chloride	µg/L	2	150	< 250	110	210	200	440	110	< 200	130	300	23	350	330
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location Code			EW-8											
Sample Date			10/15/2009	10/10/2010	10/11/2011	11/12/2012	10/22/2013	10/30/2014	10/21/2015	10/19/2016	11/14/2017	10/31/2018	9/24/2019	10/13/2020	10/5/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES															
1,1,1-Trichloroethane	µg/L	5	37	51	83	70	45	60	80	26	3.1	2.1	< 200	< 200	< 100 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 5.3	< 0.21	< 0.21	< 5.3	< 4.2	< 4.2	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
1,1,2-Trichloroethane	µg/L	1	< 5.8	< 0.23	< 0.23	< 5.8	< 4.6	< 4.6	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
1,1-Dichloroethane	µg/L	5	< 9.6	13	14	33	31	28	32	13	2.1	2.2	< 200	< 200	68 J J
1,1-Dichloroethene	µg/L	5	< 7.3	9.2	14	< 7.3	< 5.8	< 5.8	8.8	3.2	< 1	0.36 J	< 200	< 200	< 100 U
1,2-Dichloroethane	µg/L	0.6	< 5.4	< 0.21	< 0.21	< 5.3	< 4.2	< 4.2	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
1,2-Dichloropropane	µg/L	1	< 8.1	< 0.72	< 0.72	< 18	< 14	< 14	< 10	< 5	< 1	< 1	NA	NA	NA
2-Butanone	µg/L	50	< 33	< 1.3	< 1.3	< 33	< 26	< 26	< 50	< 25	< 5	< 5	< 2000	< 2000	< 1000 U
2-Hexanone	µg/L	50	< 31	< 1.2	< 1.2	< 31	< 25	< 25	< 50	< 25	< 5	< 5	< 1000	< 1000	< 500 U
4-Methyl-2-pentanone	µg/L		< 23	< 2.1	< 2.1	< 53	< 42	< 42	< 50	< 25	< 5	< 5	< 1000	< 1000	< 500 U
Acetone	µg/L	50	< 34	3	3	< 75	< 60	< 60	< 50	< 25	< 5	< 5	< 2000	< 2000	< 1000 U
Benzene	µg/L	1	< 10	< 0.41	< 0.41	< 10	< 8.2	< 8.2	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Bromodichloromethane	µg/L	50	< 9.6	< 0.39	< 0.39	< 9.8	< 7.8	< 7.8	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Bromoform	µg/L	50	< 6.4	< 0.26	< 0.26	< 6.5	< 5.2	< 5.2	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Bromomethane	µg/L	5	< 7	< 0.69	< 0.69	< 17	< 14	< 14	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Carbondisulfide	µg/L	60	< 4.8	< 0.19	< 0.19	< 4.8	< 3.8	< 3.8	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Carbontetrachloride	µg/L	5	< 6.7	< 0.27	< 0.27	< 6.8	< 5.4	< 5.4	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Chlorobenzene	µg/L	5	< 7.9	< 0.75	< 0.75	< 19	< 15	< 15	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Chloroethane	µg/L	5	< 8.1	< 0.32	< 0.32	< 8	< 6.4	< 6.4	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Chloroform (trichloromethane)	µg/L	7	< 8.4	1.4	1.2	< 8.5	< 6.8	< 6.8	< 10	2.8	1.1	1	< 200	< 200	< 100 U
Chloromethane	µg/L	5	< 8.6	< 0.35	< 0.35	< 8.8	< 7	< 7	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
cis-1,2-Dichloroethene	µg/L	5	1400	2900	1900	4900	880	2400	2200	810	74	80	7400	6500	7700
cis-1,3-Dichloropropene	µg/L	0.4	< 8.9	< 0.36	< 0.36	< 9	< 7.2	< 7.2	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Dibromochloromethane	µg/L	50	< 8.1	< 0.32	< 0.32	< 8	< 6.4	< 6.4	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Ethylbenzene	µg/L	5	< 4.6	< 0.74	< 0.74	< 19	< 15	< 15	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Freon 113	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190 J	280	330
m,p-xylene	µg/L	5	< 16	< 0.66	< 0.66	< 17	< 13	< 13	< 20	< 10	< 2	< 2	< 400	< 400	< 200 U
Methylene chloride	µg/L	5	< 11	3.5	25	< 11	< 8.8	< 8.8	< 10	< 5	< 1	9.2	770	< 200	77 J J
o-Xylene	µg/L	5	< 9	< 0.76	< 0.76	< 19	< 15	< 15	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Styrene	µg/L	5	< 4.6	< 0.73	< 0.73	< 18	< 15	< 15	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Tetrachloroethene	µg/L	5	< 9.1	< 0.36	< 0.36	< 9	< 7.2	< 7.2	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Toluene	µg/L	5	< 13	< 0.51	< 0.51	< 13	< 10	< 10	< 10	< 5	1	1	< 200	< 200	< 100 U
trans-1,2-Dichloroethene	µg/L	5	< 10	8.8	4.9	< 23	< 18	< 18	8.1	4.3	0.63	0.54 J	< 200	< 200	< 100 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 9.2	< 0.37	< 0.37	< 9.3	< 7.4	< 7.4	< 10	< 5	< 1	< 1	< 200	< 200	< 100 U
Trichloroethene	µg/L	5	74	67	62	45	< 9.2	< 9.2	23	5.5	1.8	3.1	240	190 J	100
Vinyl chloride	µg/L	2	84	210	210	1500	1200	700	740	260	22	27	2000	1700	2000
Xylene (total)	µg/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 400	< 400	NA

Location Code			EW-8		
Sample Date			10/4/2022	10/17/2023	10/24/2024
	Units	GPS	Result	Result	Result
VOLATILES					
1,1,1-Trichloroethane	µg/L	5	95 J J	< 200 U	< 200 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 100 U	< 200 U	< 200 U
1,1,2-Trichloroethane	µg/L	1	< 100 U	< 200 U	< 200 U
1,1-Dichloroethane	µg/L	5	190	400	280
1,1-Dichloroethene	µg/L	5	< 100 U	< 200 U	< 200 U
1,2-Dichloroethane	µg/L	0.6	< 100 U	< 200 U	< 200 U
1,2-Dichloropropane	µg/L	1	< 100 U	< 200 U	< 200 U
2-Butanone	µg/L	50	< 1000 U	< 2000 U	< 2000 U
2-Hexanone	µg/L	50	< 500 U	< 1000 U	< 1000 U
4-Methyl-2-pentanone	µg/L		< 500 U	< 1000 U	< 1000 U
Acetone	µg/L	50	< 1000 U	< 2000 U	< 2000 U
Benzene	µg/L	1	< 100 U	< 200 U	< 200 U
Bromodichloromethane	µg/L	50	< 100 U	< 200 U	< 200 U
Bromoform	µg/L	50	< 100 U	< 200 U	< 200 U
Bromomethane	µg/L	5	< 100 U	< 200 U	< 200 U
Carbondisulfide	µg/L	60	< 100 U	< 200 U	< 200 U
Carbontetrachloride	µg/L	5	< 100 U	< 200 U	< 200 U
Chlorobenzene	µg/L	5	< 100 U	< 200 U	< 200 U
Chloroethane	µg/L	5	< 100 U	< 200 U	< 200 U
Chloroform (trichloromethane)	µg/L	7	< 100 U	< 200 U	< 200 U
Chloromethane	µg/L	5	< 100 U	< 200 U	< 200 U
cis-1,2-Dichloroethene	µg/L	5	10000	17000 F1	14000
cis-1,3-Dichloropropene	µg/L	0.4	< 100 U	< 200 U	< 200 U
Dibromochloromethane	µg/L	50	< 100 U	< 200 U	< 200 U
Ethylbenzene	µg/L	5	< 100 U	< 200 U	< 200 U
Freon 113	µg/L		NA	NA	NA
m,p-xylene	µg/L	5	< 200 U	< 400 U	< 400 U
Methylene chloride	µg/L	5	2800	< 200 U	340
o-Xylene	µg/L	5	< 100 U	< 200 U	< 200 U
Styrene	µg/L	5	< 100 U	< 200 U	< 200 U
Tetrachloroethene	µg/L	5	< 100 U	< 200 U	< 200 U
Toluene	µg/L	5	< 100 U	< 200 U	< 200 U
trans-1,2-Dichloroethene	µg/L	5	< 100 U	< 200 U	< 200 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 100 U	< 200 U	< 200 U
Trichloroethene	µg/L	5	94 J J	< 200 U	< 200 U
Vinyl chloride	µg/L	2	4300	3700	2900
Xylene (total)	µg/L		NA	NA	NA

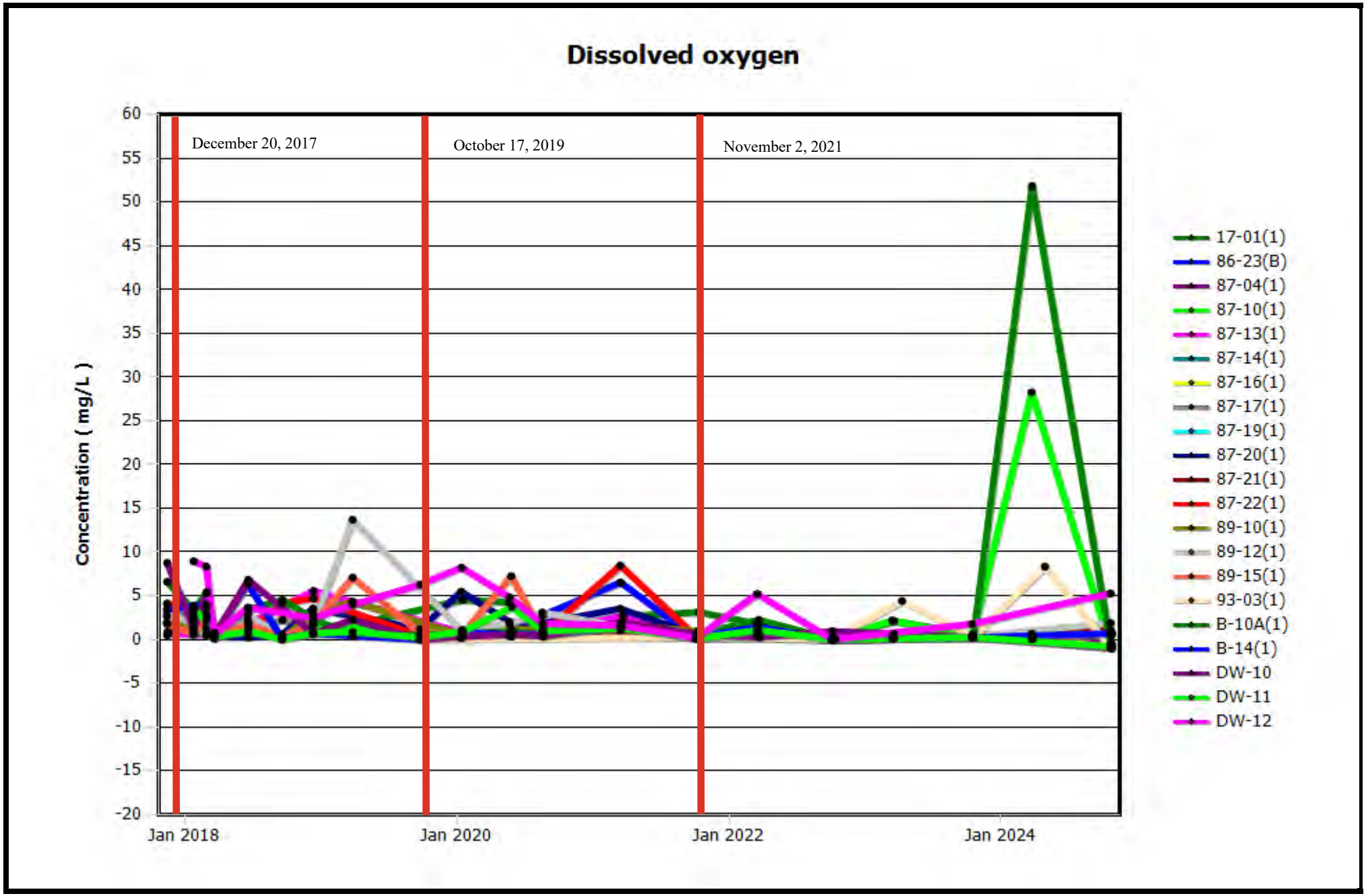
Location Code			MH 9-3									
Sample Date			4/3/2020	10/12/2020	4/15/2021	10/8/2021	4/12/2022	10/3/2022	4/11/2023	10/19/2023	4/30/2024	10/23/2024
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOLATILES												
1,1,1-Trichloroethane	µg/L	5	< 5	< 5	< 1	0.85 JH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
1,1,2-Trichloroethane	µg/L	1	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
1,1-Dichloroethane	µg/L	5	< 5	< 5	0.68 J	1.9 JH	0.92 J J	< 5 U	< 5	0.78 J	< 5 U	< 5 U
1,1-Dichloroethene	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
1,2-Dichlorobenzene	µg/L		< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
1,2-Dichloroethane	µg/L	0.6	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
1,2-Dichloroethene (total)	µg/L		22	22	7.9	37 H	33	26	13	13	9.1 J J	8.6 J J
1,2-Dichloropropane	µg/L	1	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
1,3-Dichlorobenzene	µg/L		< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
1,4-Dichlorobenzene	µg/L		< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Acrolein	µg/L		< 100	< 100	< 4 UH	< 100 UH+	< 100 U	< 100 U	< 100	< 100	< 100 U	< 100 U+ U
Acrylonitrile	µg/L		< 50	< 50	< 2	< 50 UH	< 50 U	< 50 U	< 50	< 50	< 50 U	< 50 U
Benzene	µg/L	1	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Bromodichloromethane	µg/L	50	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Bromoform	µg/L	50	< 5	< 5	< 1 U-	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Bromomethane	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Carbontetrachloride	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Chlorobenzene	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Chloroethane	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Chloroform (trichloromethane)	µg/L	7	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Chloromethane	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
cis-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Dibromochloromethane	µg/L	50	< 5	< 5	< 1 U-	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Ethene,(2-chloroethoxy)-	µg/L		< 25	< 25	< 1	< 25 UH	< 25 U	< 25 U	< 25	< 25	< 25 U	< 25 U
Ethylbenzene	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Methylene chloride	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Tetrachloroethene	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Toluene	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Trichloroethene	µg/L	5	< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Trichlorofluoromethane	µg/L		< 5	< 5	< 1	< 5 UH	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U
Vinyl chloride	µg/L	2	15	< 5	< 1	35 H	21	< 5 U	< 5	6.3	3.9 J J	9.2

Appendix I

Bioremediation Concentration Graphs

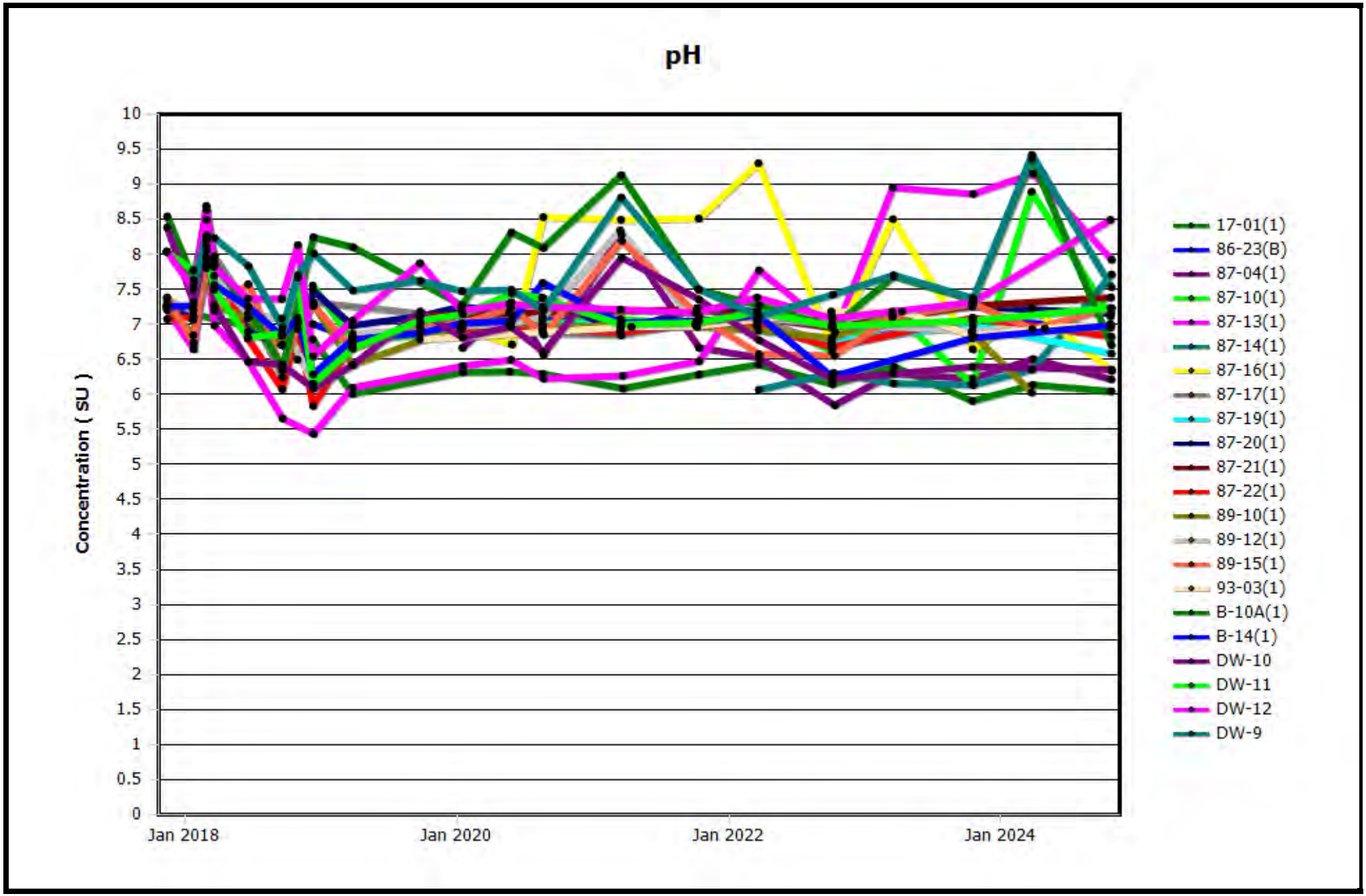
Appendix I - Graph 1

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York

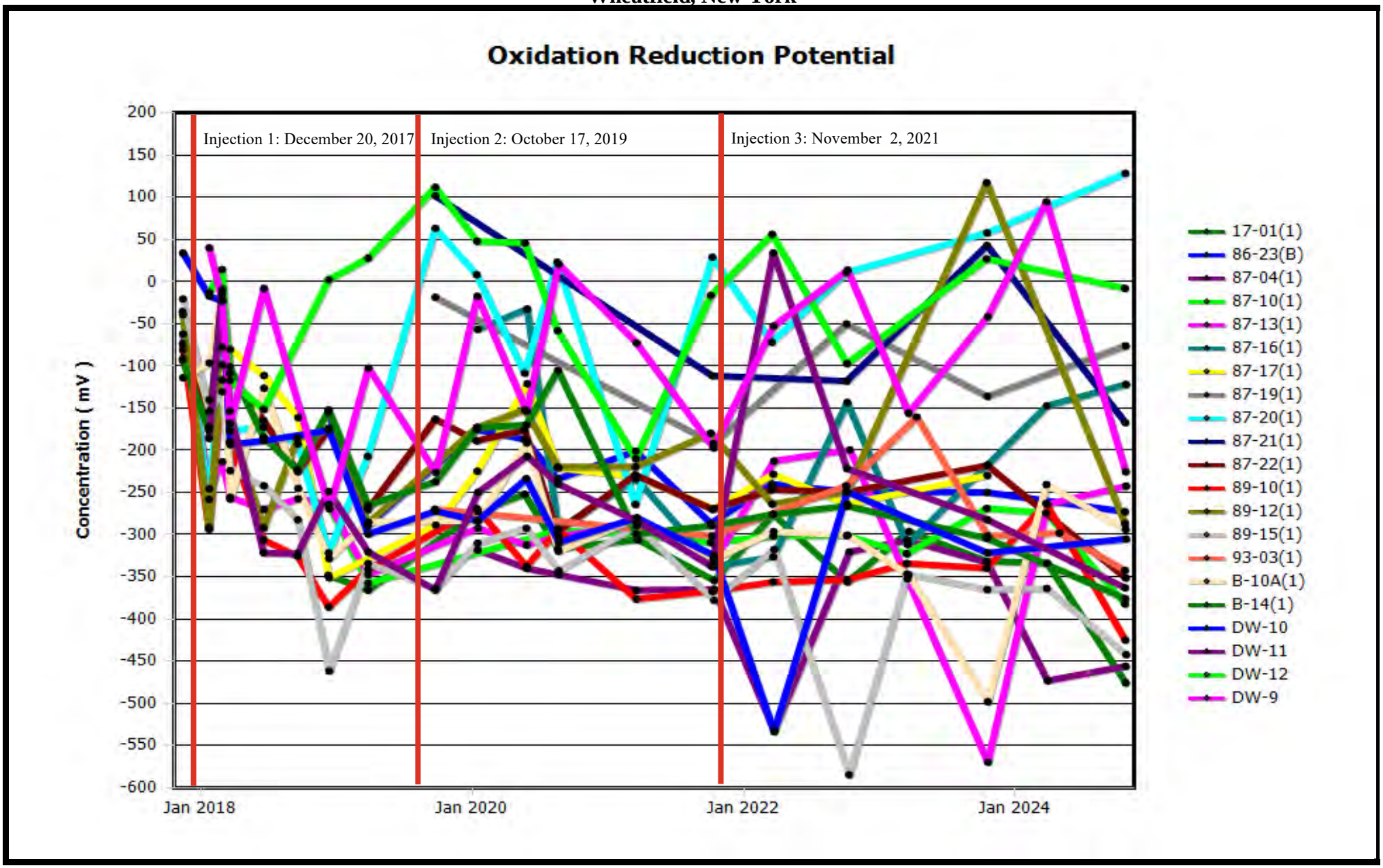


Appendix I - Graph 2

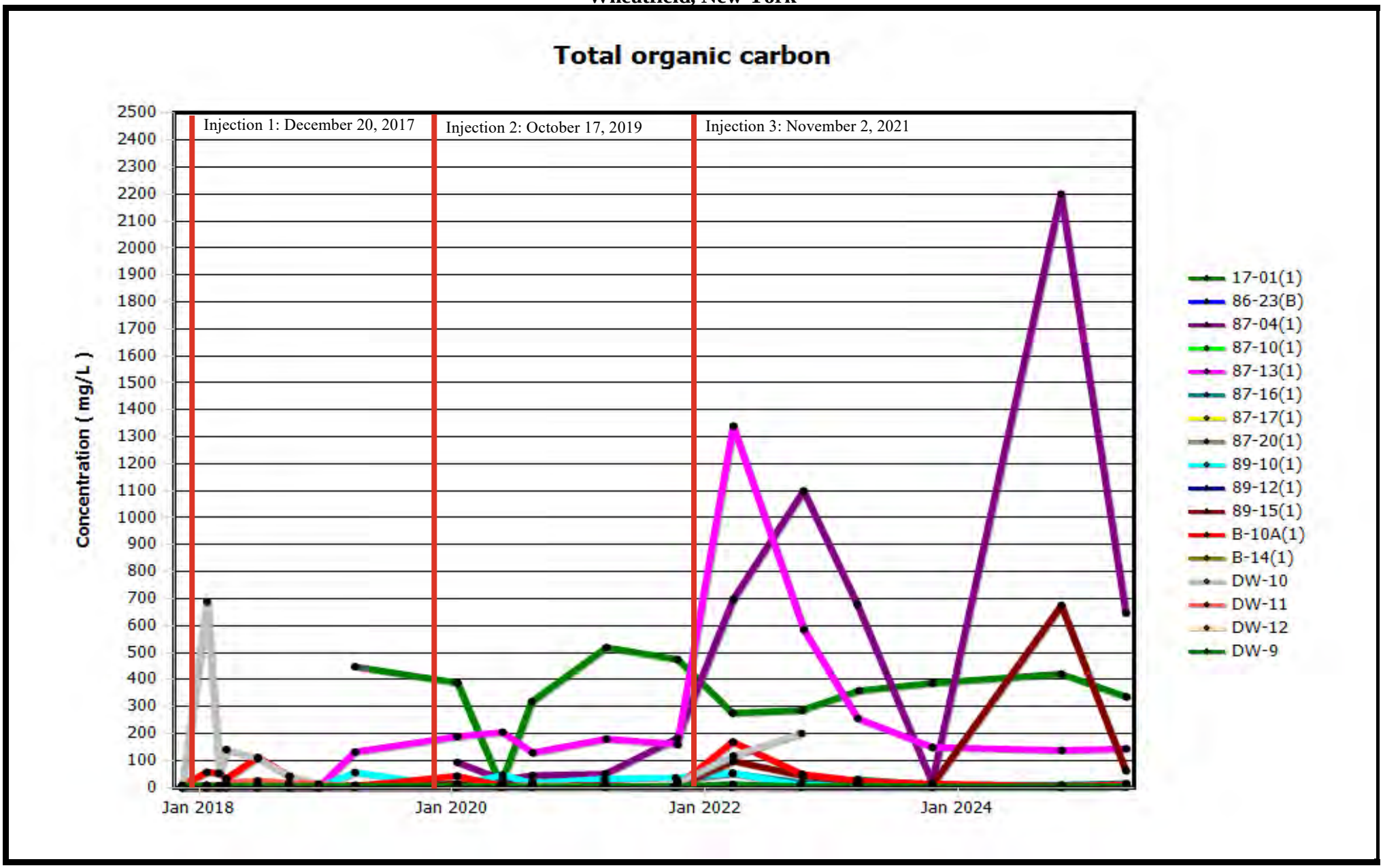
Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



Appendix I - Graph 3
Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York

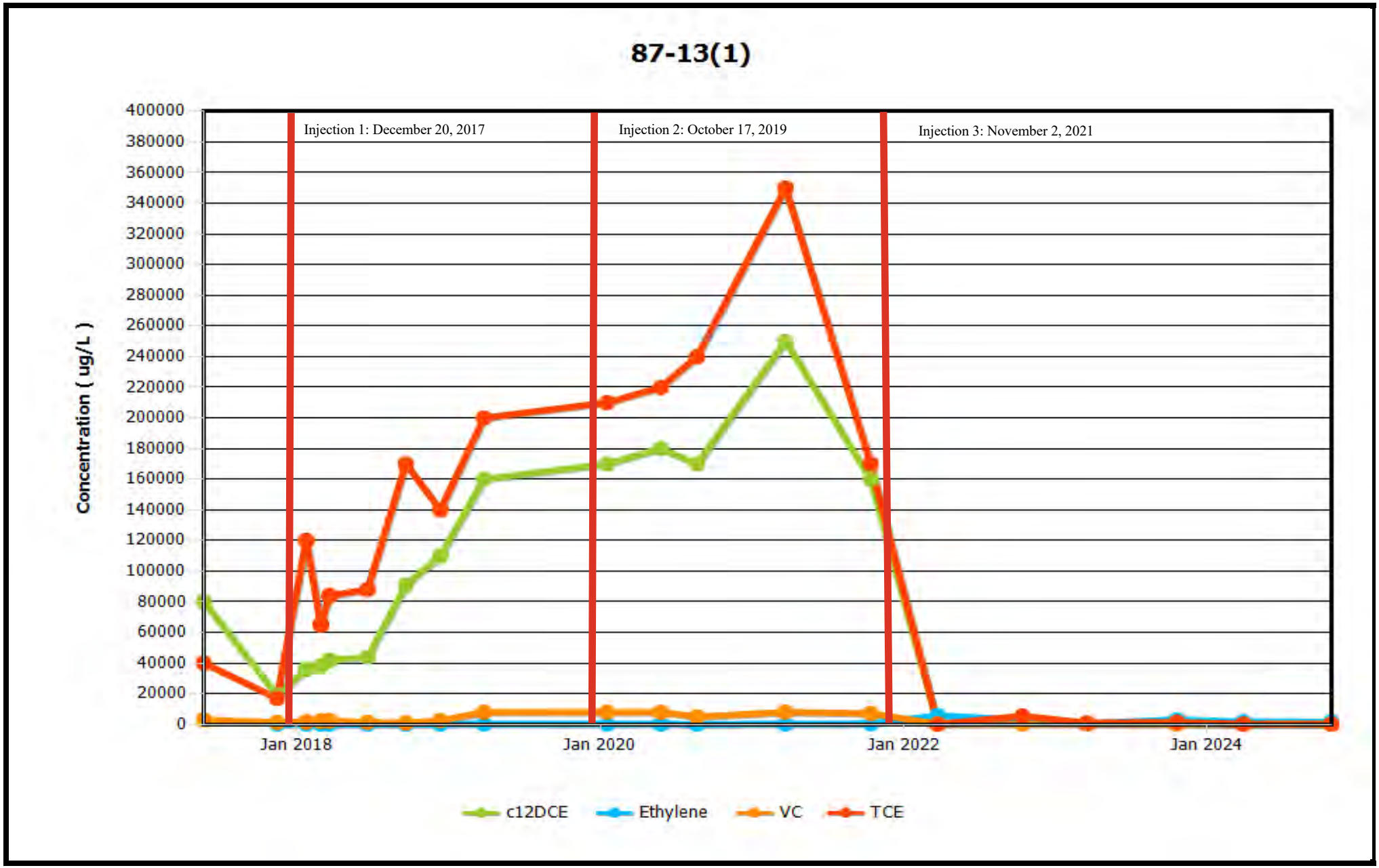


Appendix I - Graph 4
Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



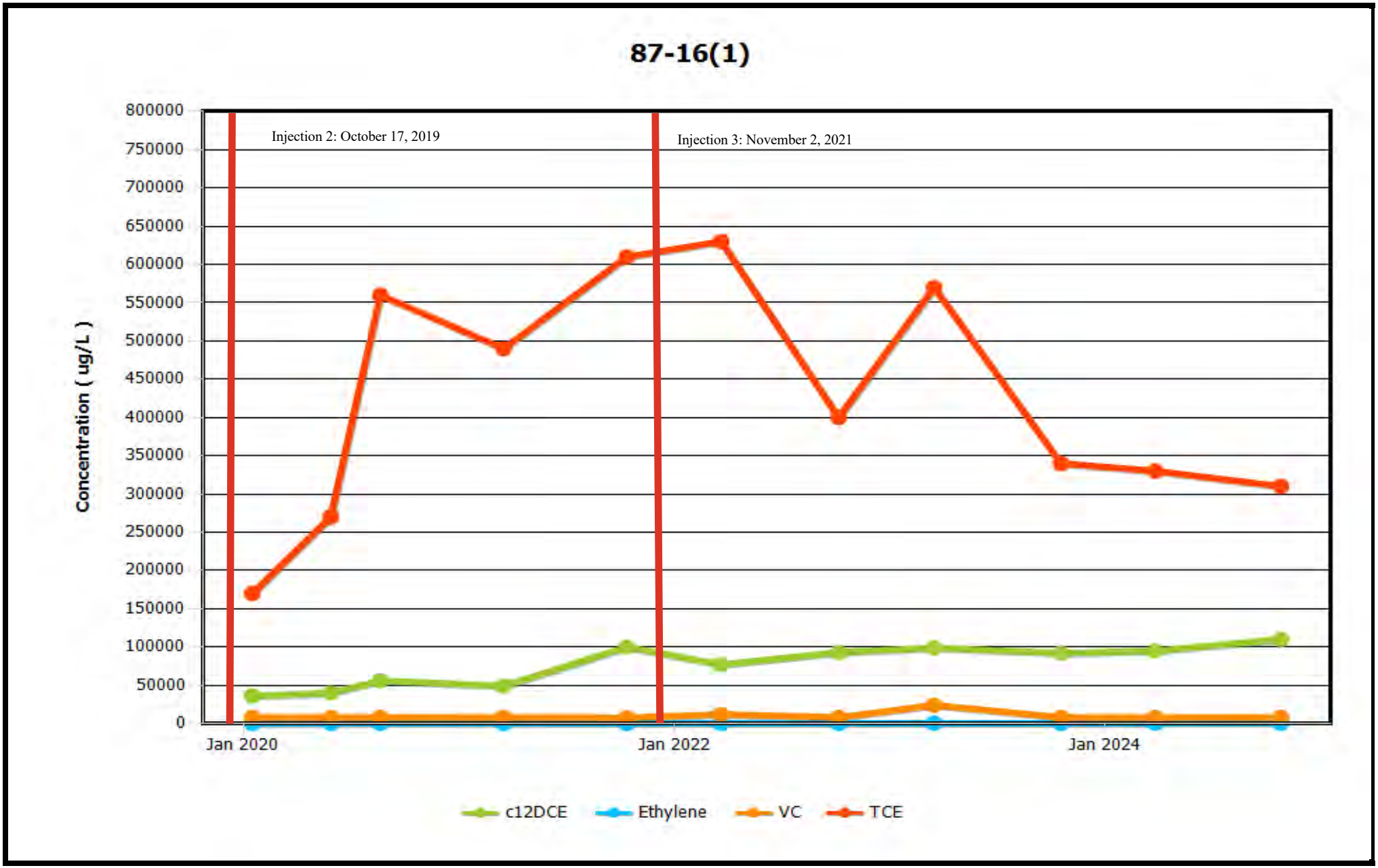
Appendix I - Graph 6 S1

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



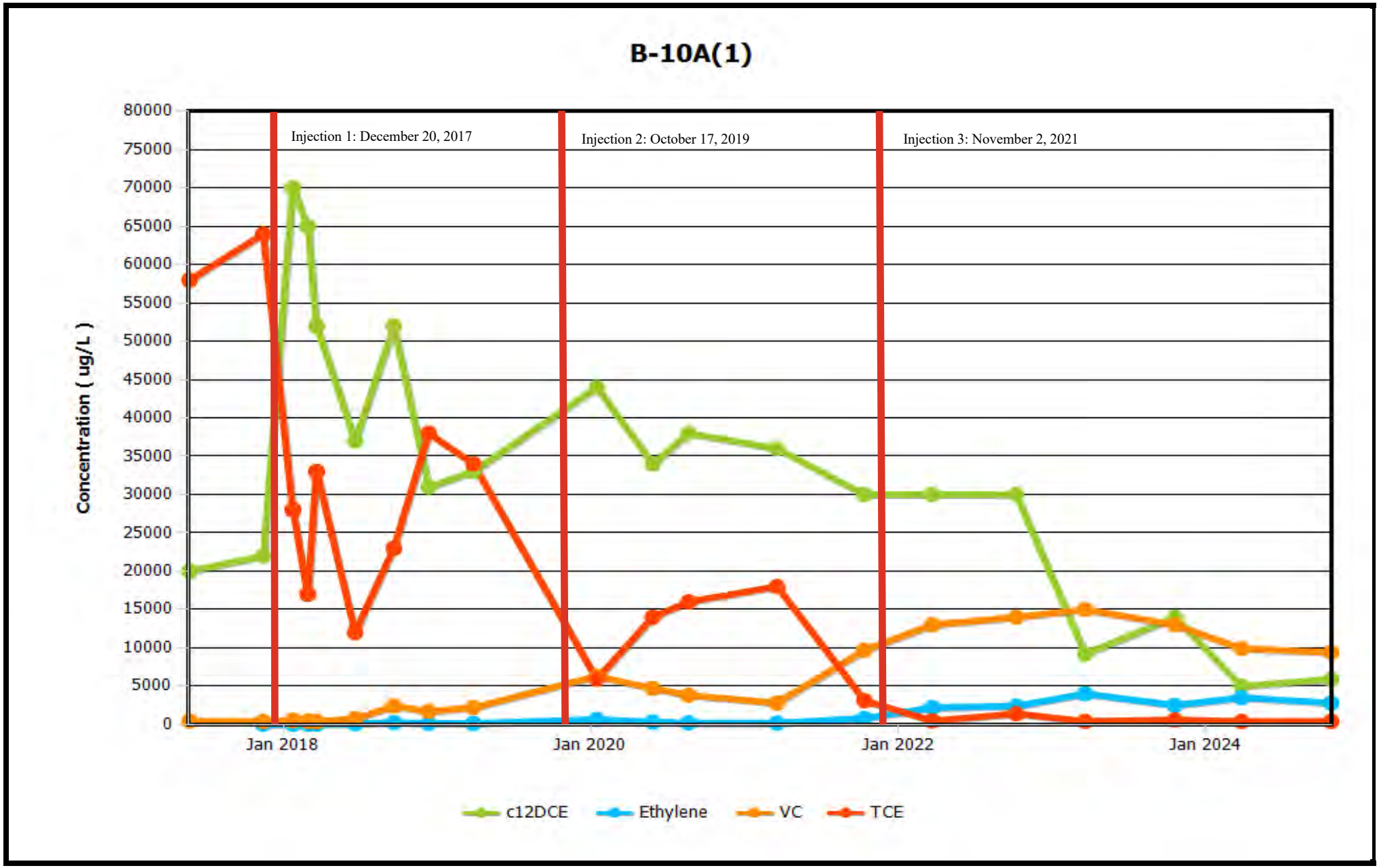
Appendix I - Graph 6 S2

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



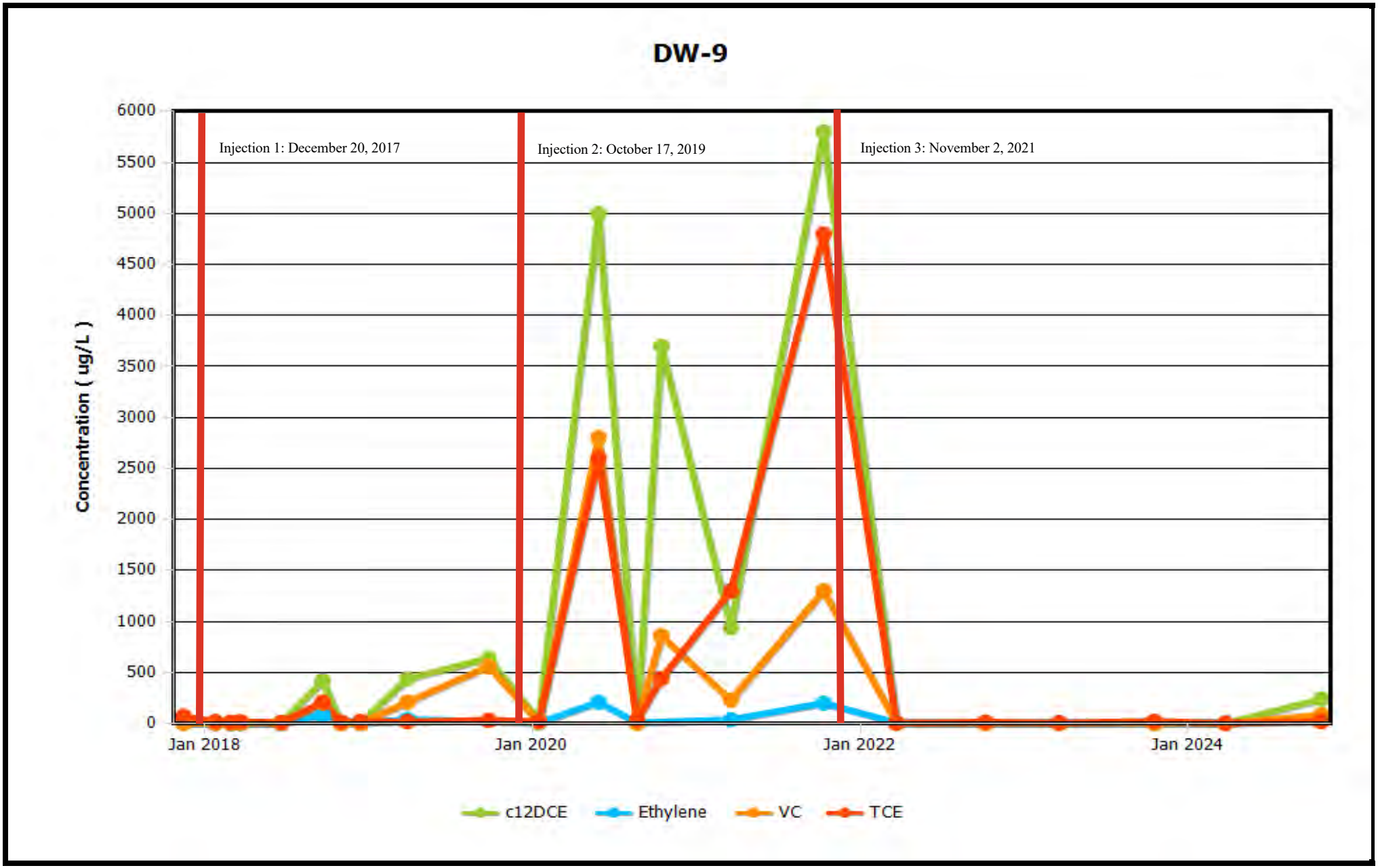
Appendix I - Graph 6 S3

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



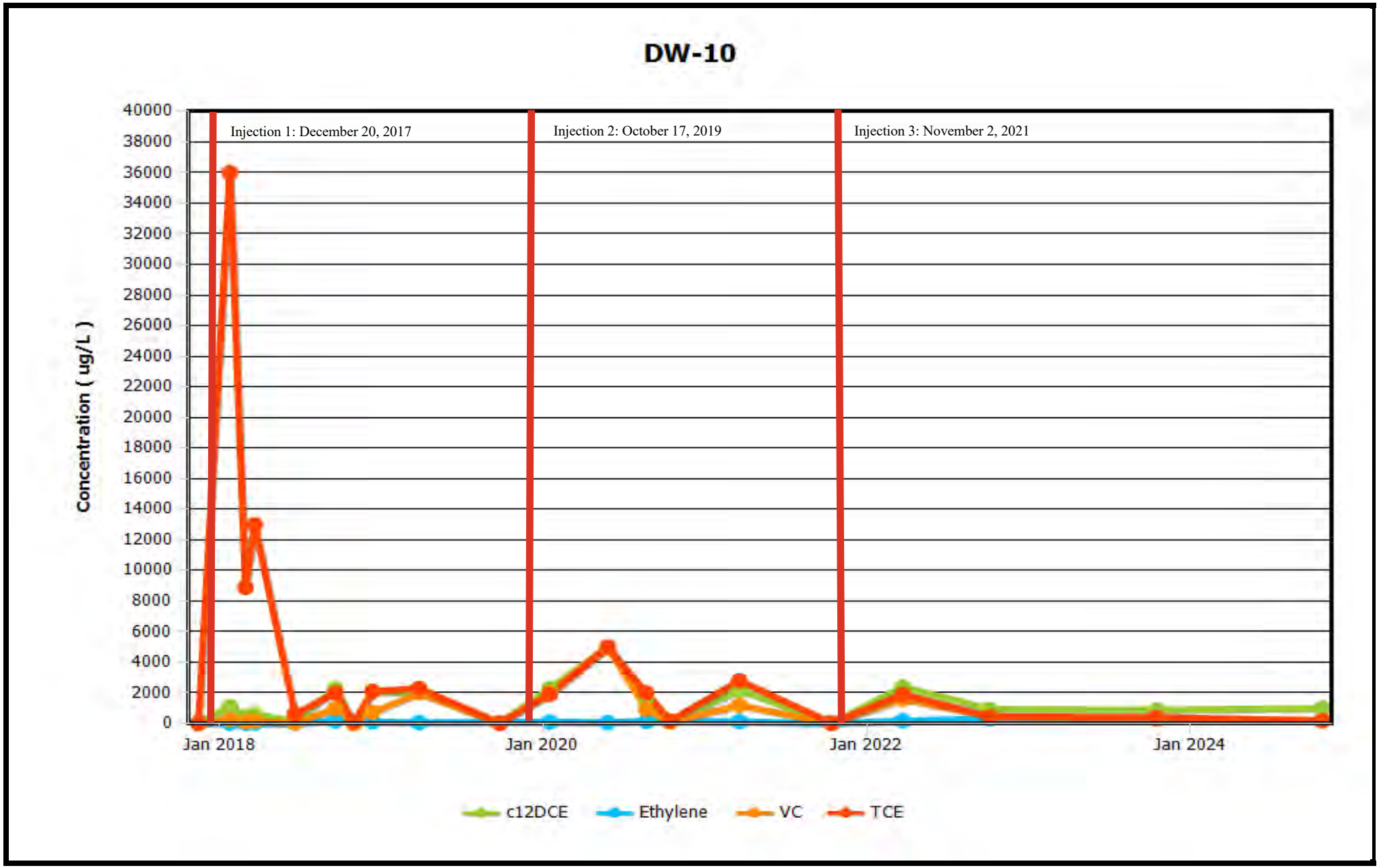
Appendix I - Graph 6 S4

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



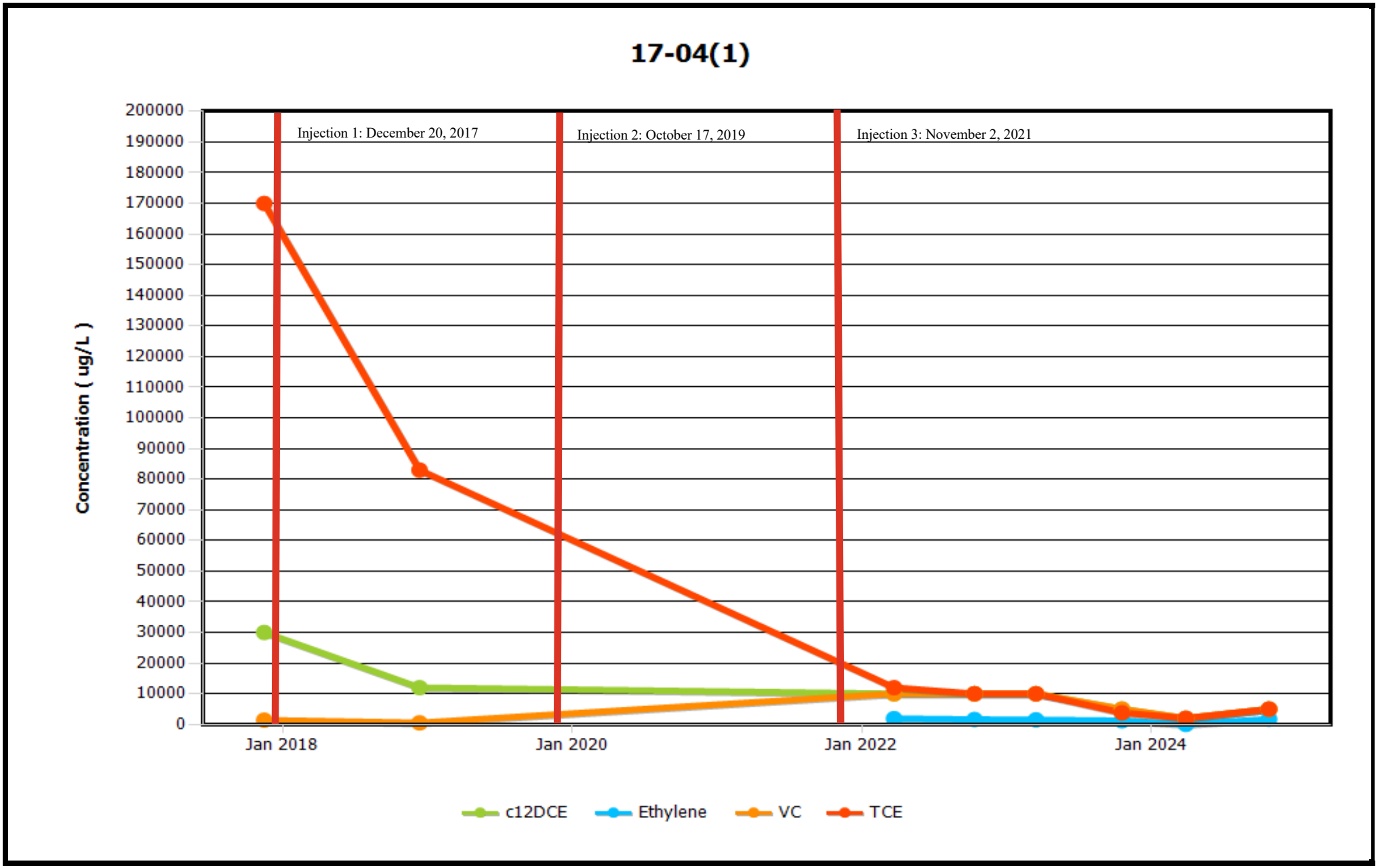
Appendix I - Graph 6 S5

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



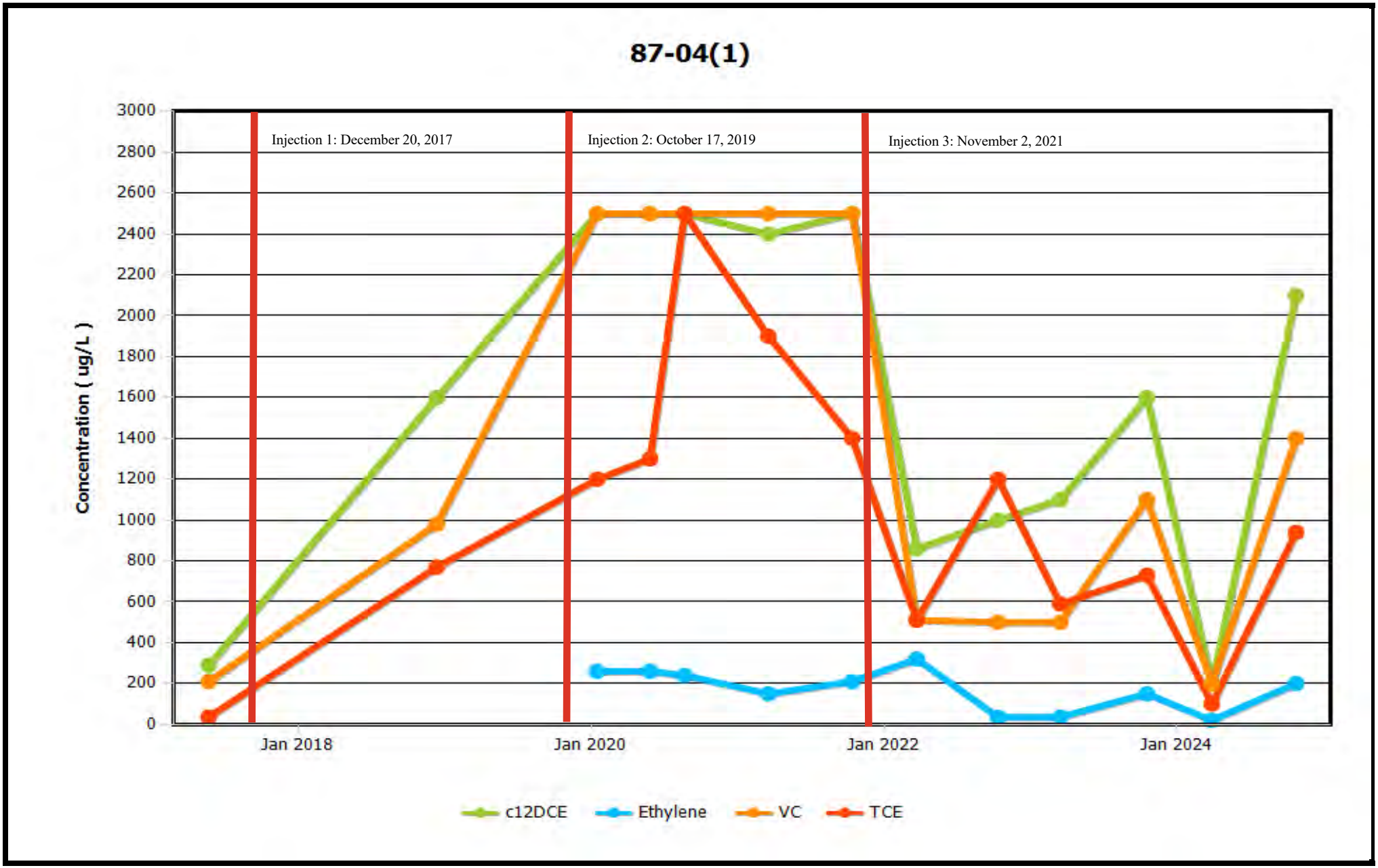
Appendix I - Graph 6 S6

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



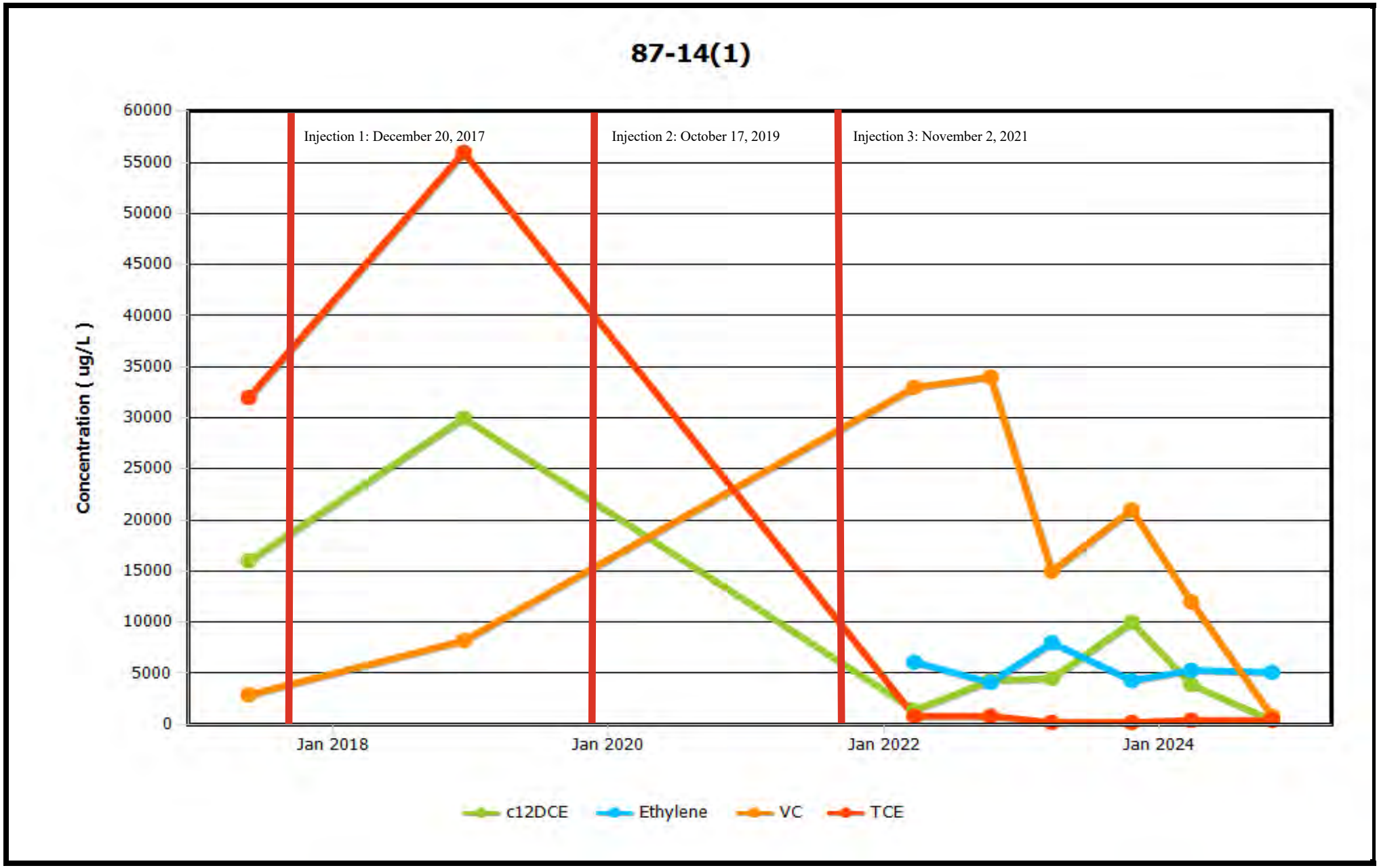
Appendix I - Graph 6 S7

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



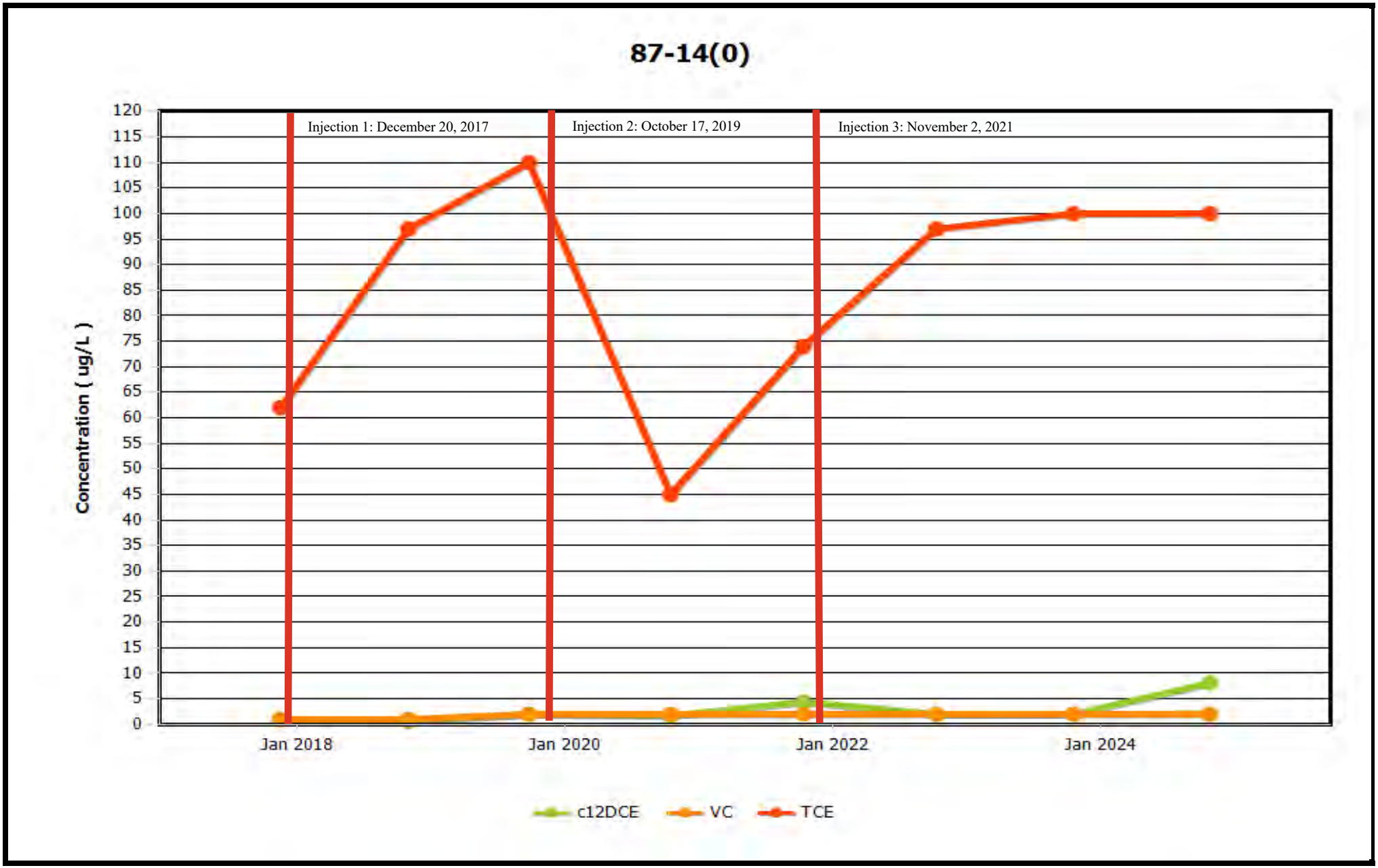
Appendix I - Graph 6 S8

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



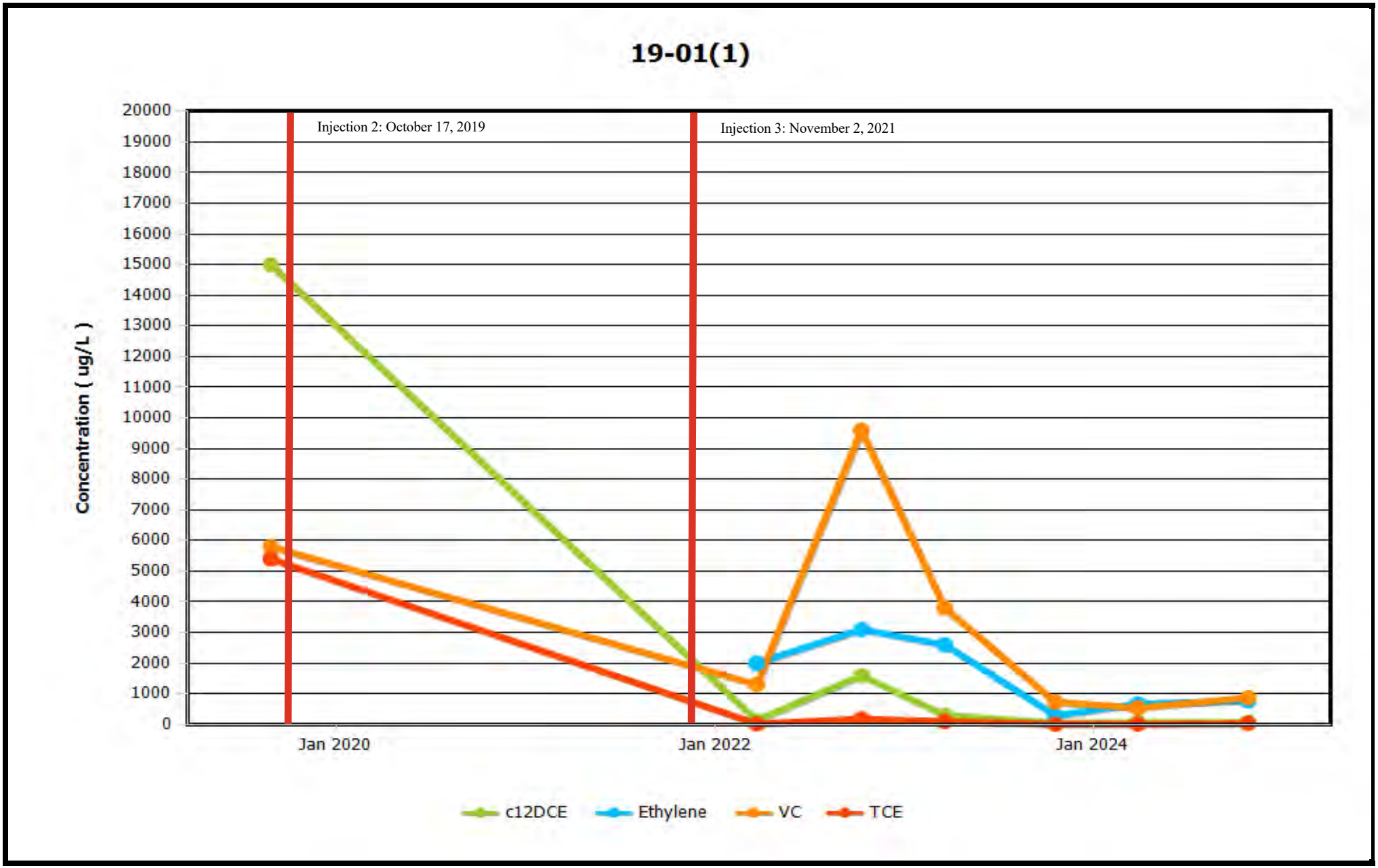
Appendix I - Graph 6 S9

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



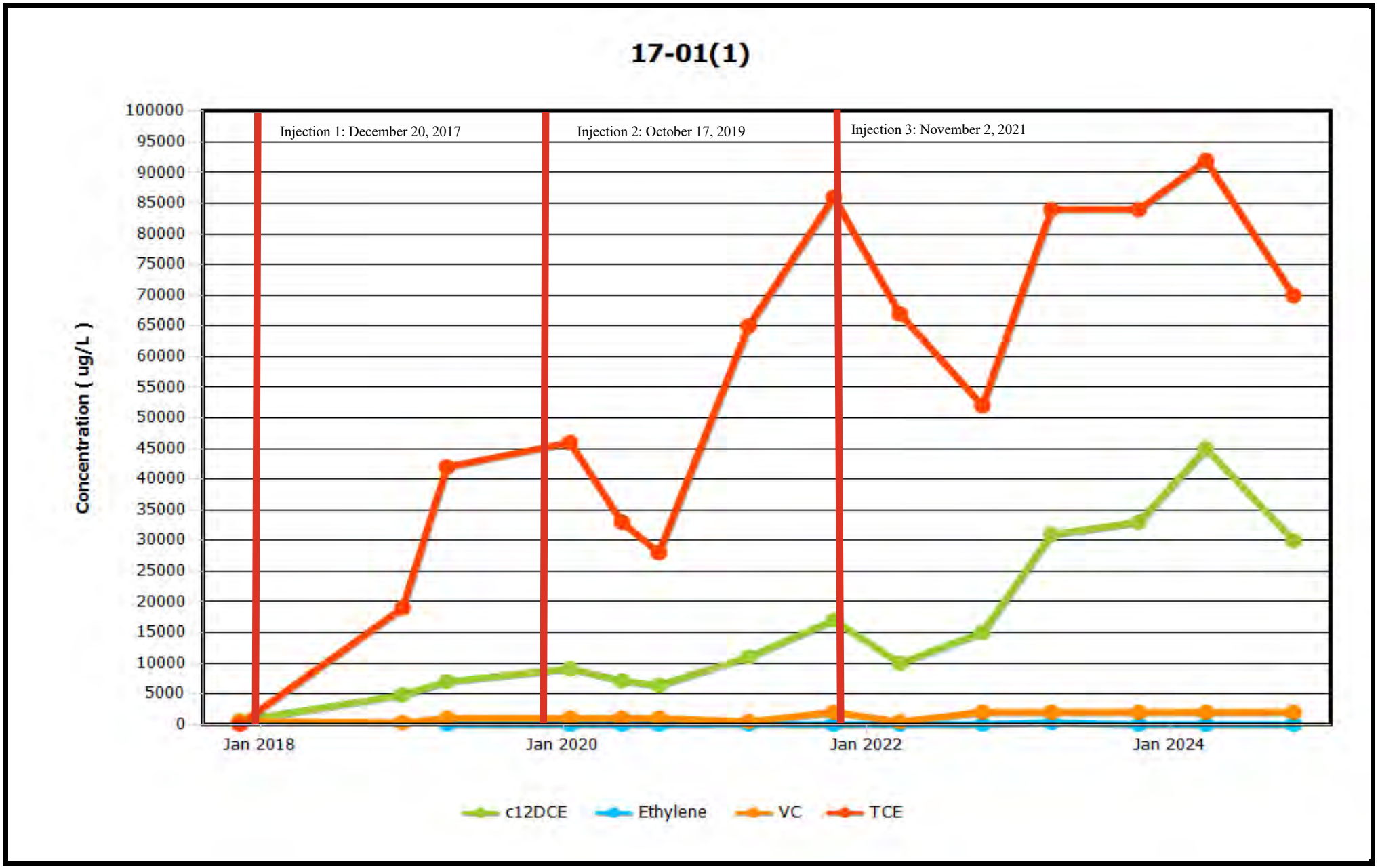
Appendix I - Graph 6 S10

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



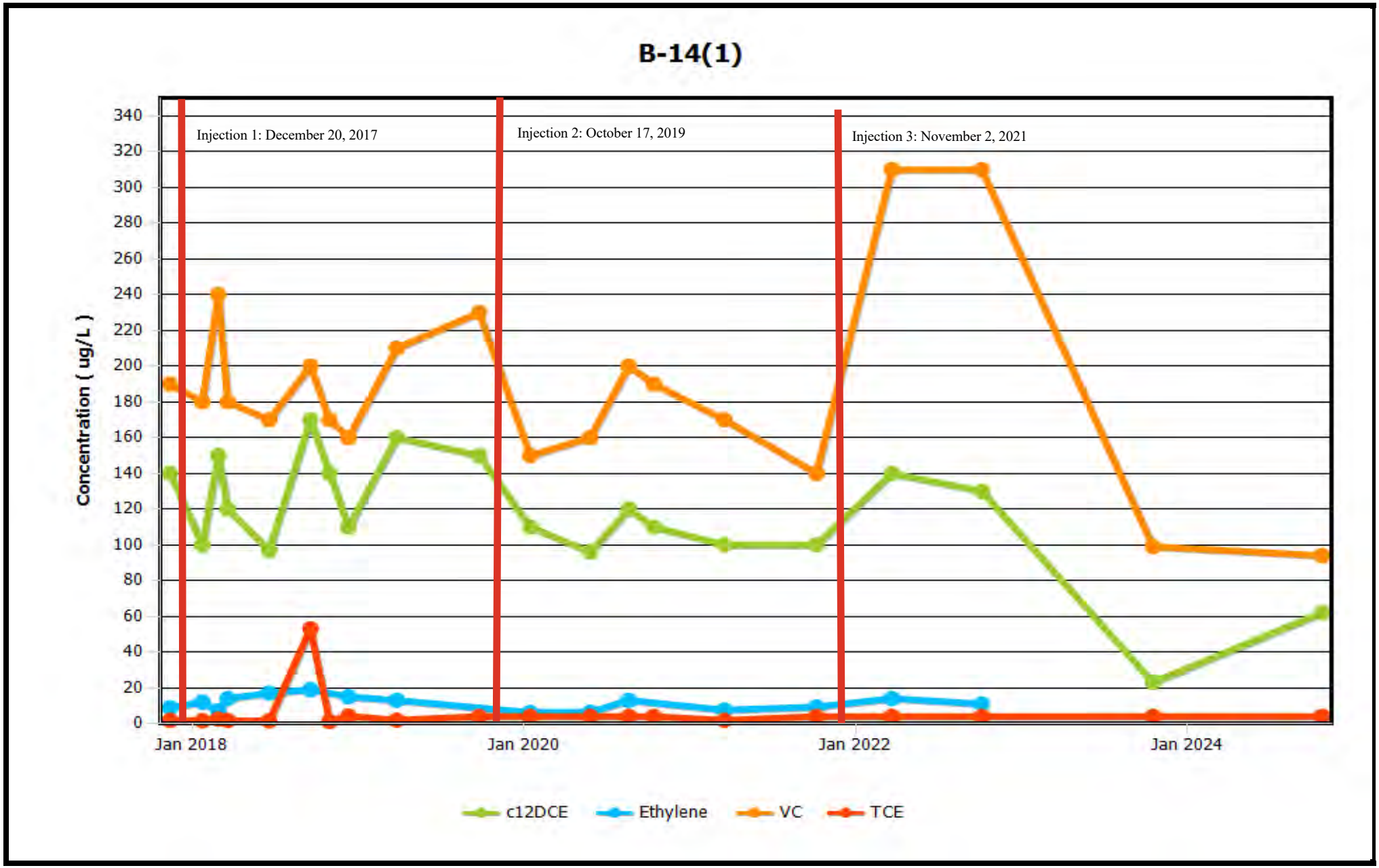
Appendix I - Graph 6 MF1

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



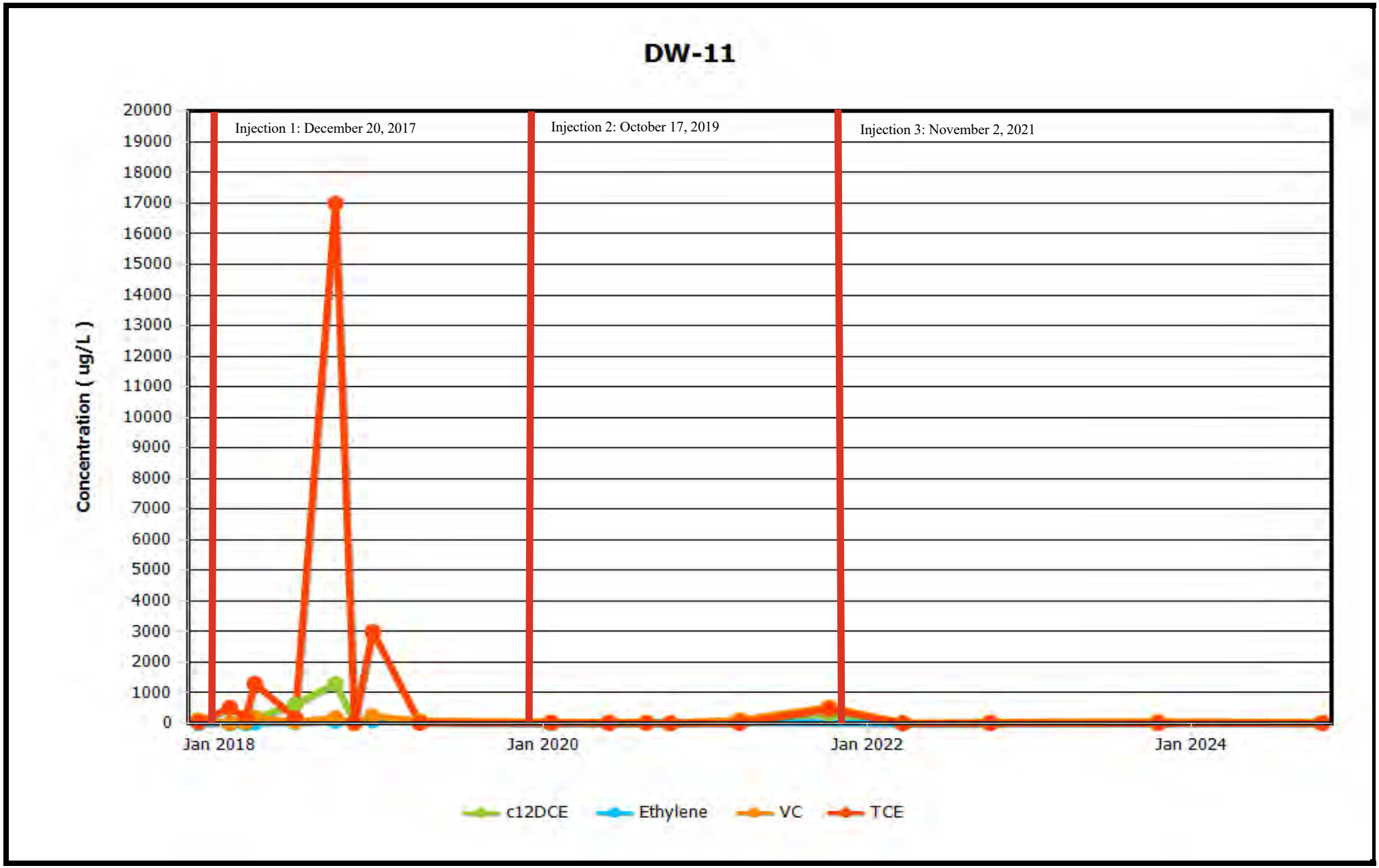
Appendix I - Graph 6 MF2

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



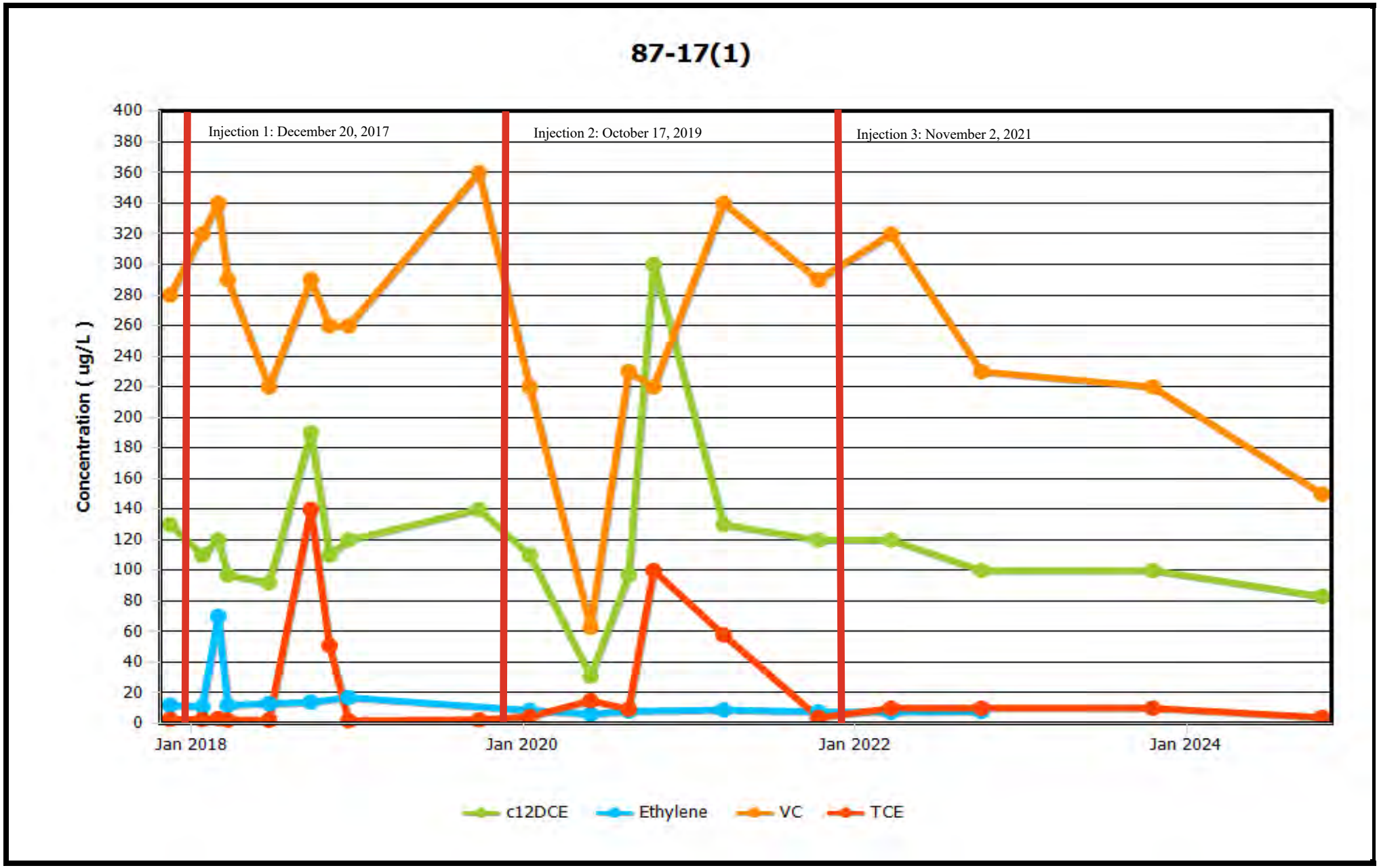
Appendix I - Graph 6 MF3

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



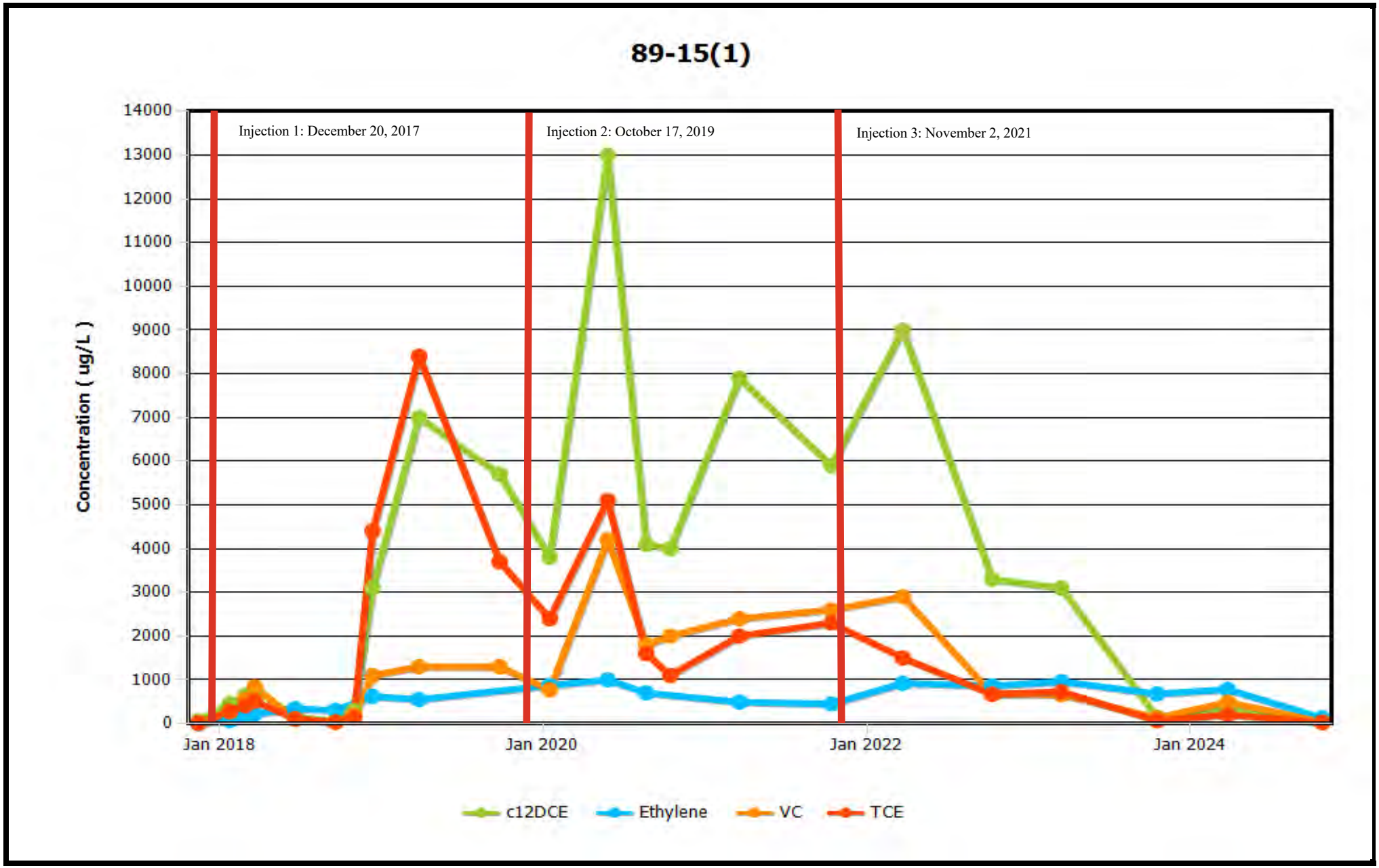
Appendix I - Graph 6 MF4

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



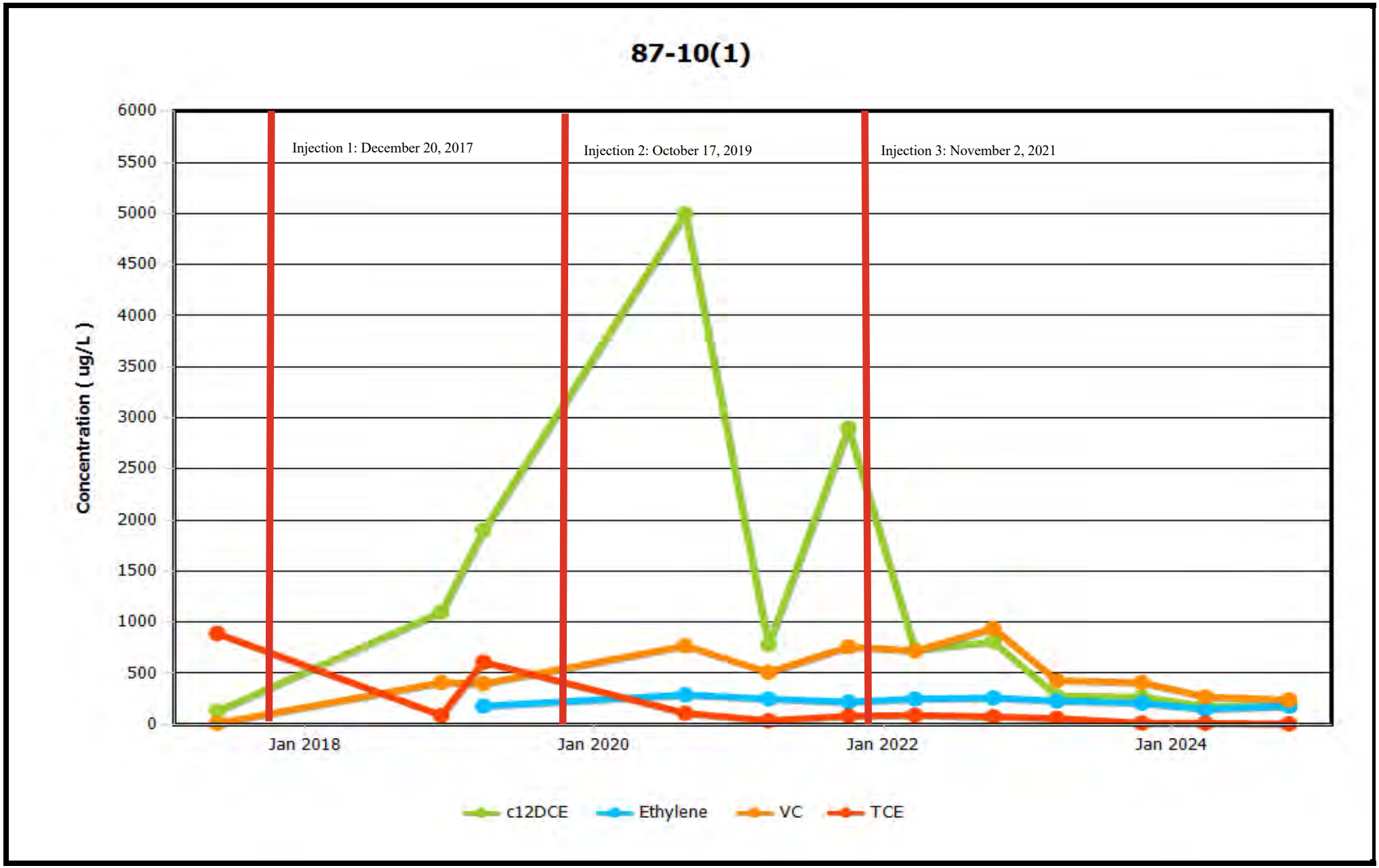
Appendix I - Graph 6 MF5

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



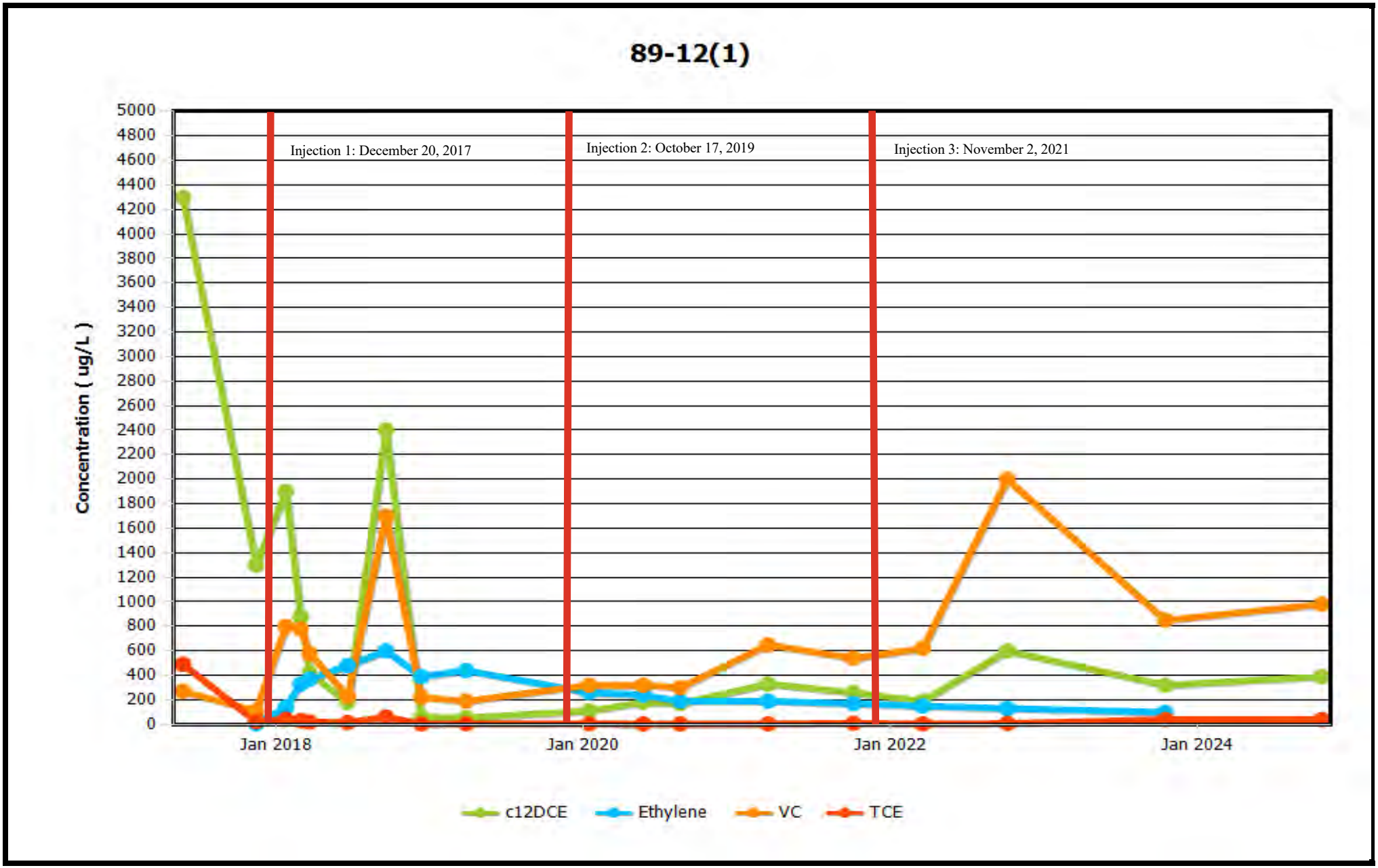
Appendix I - Graph 6 MF6

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



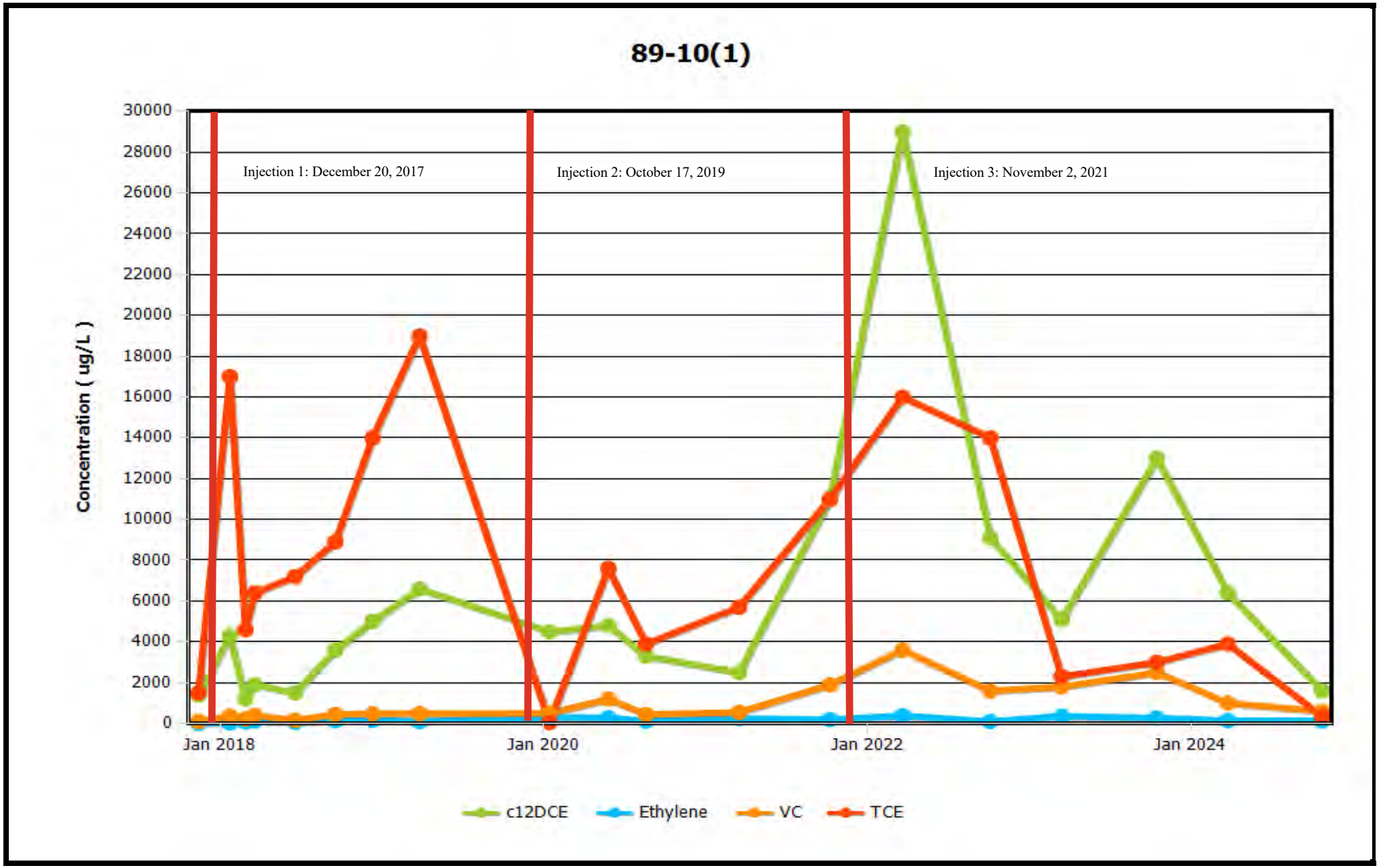
Appendix I - Graph 6 MF7

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



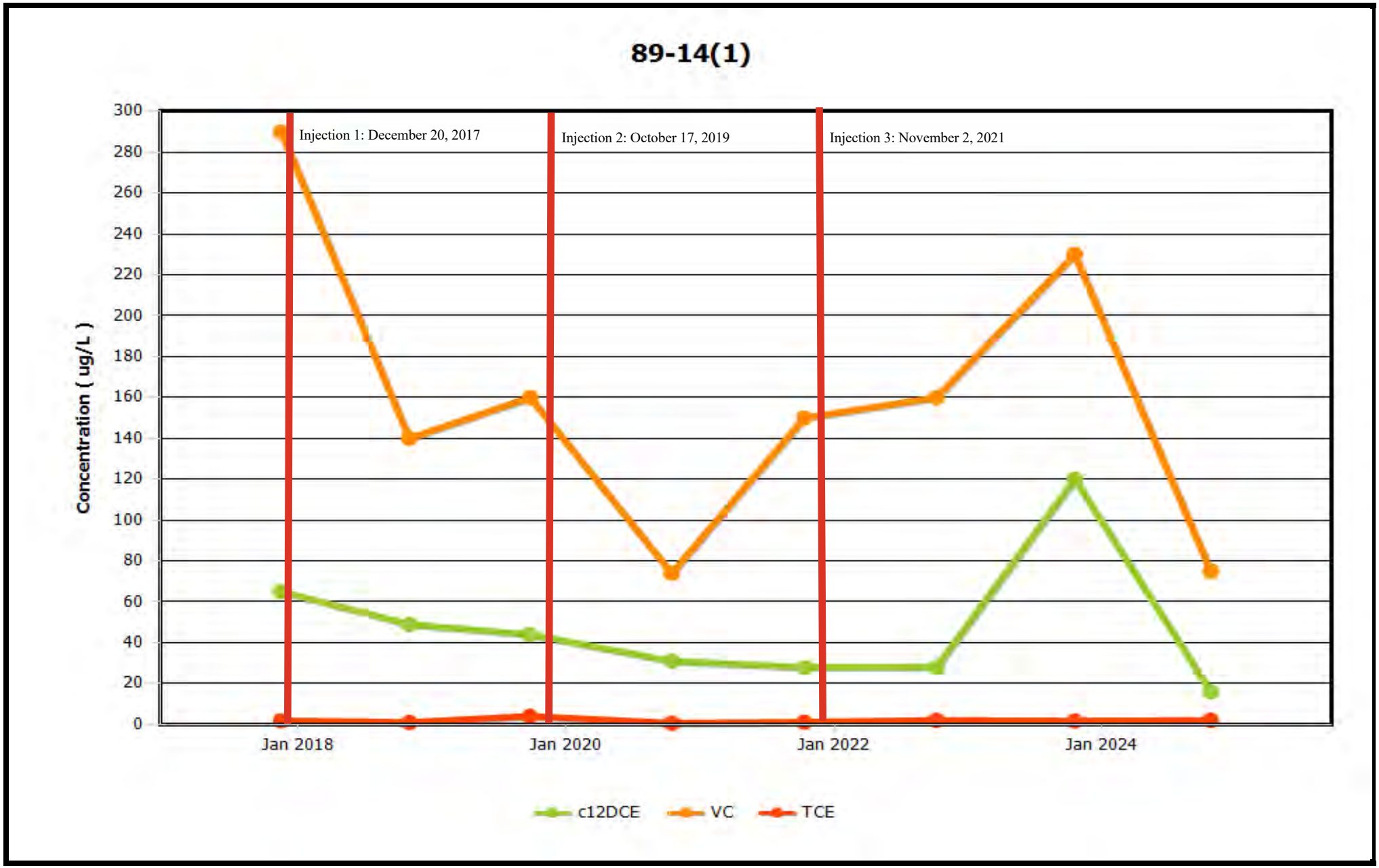
Appendix I - Graph 6 MF8

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



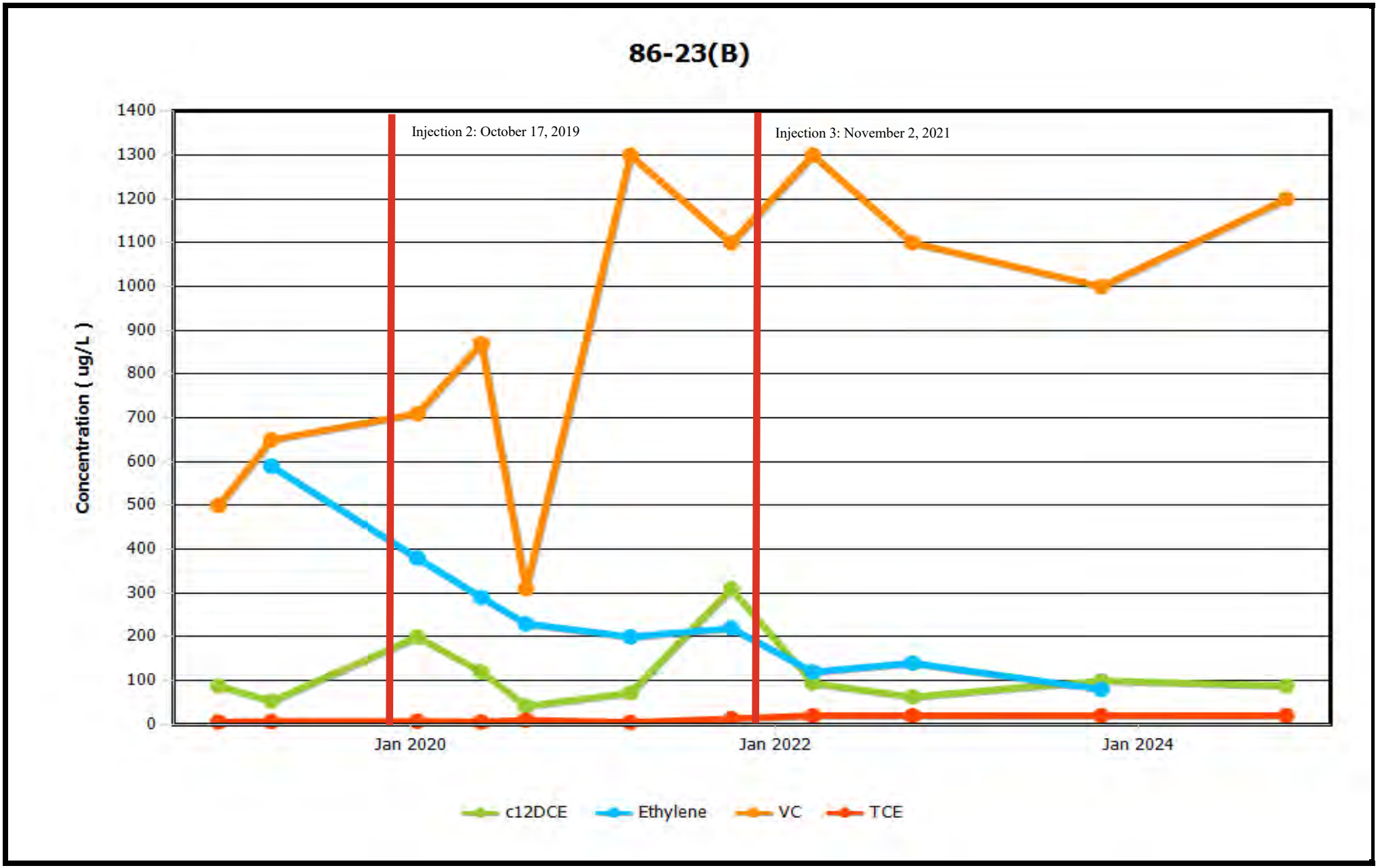
Appendix I - Graph 6 MF9

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



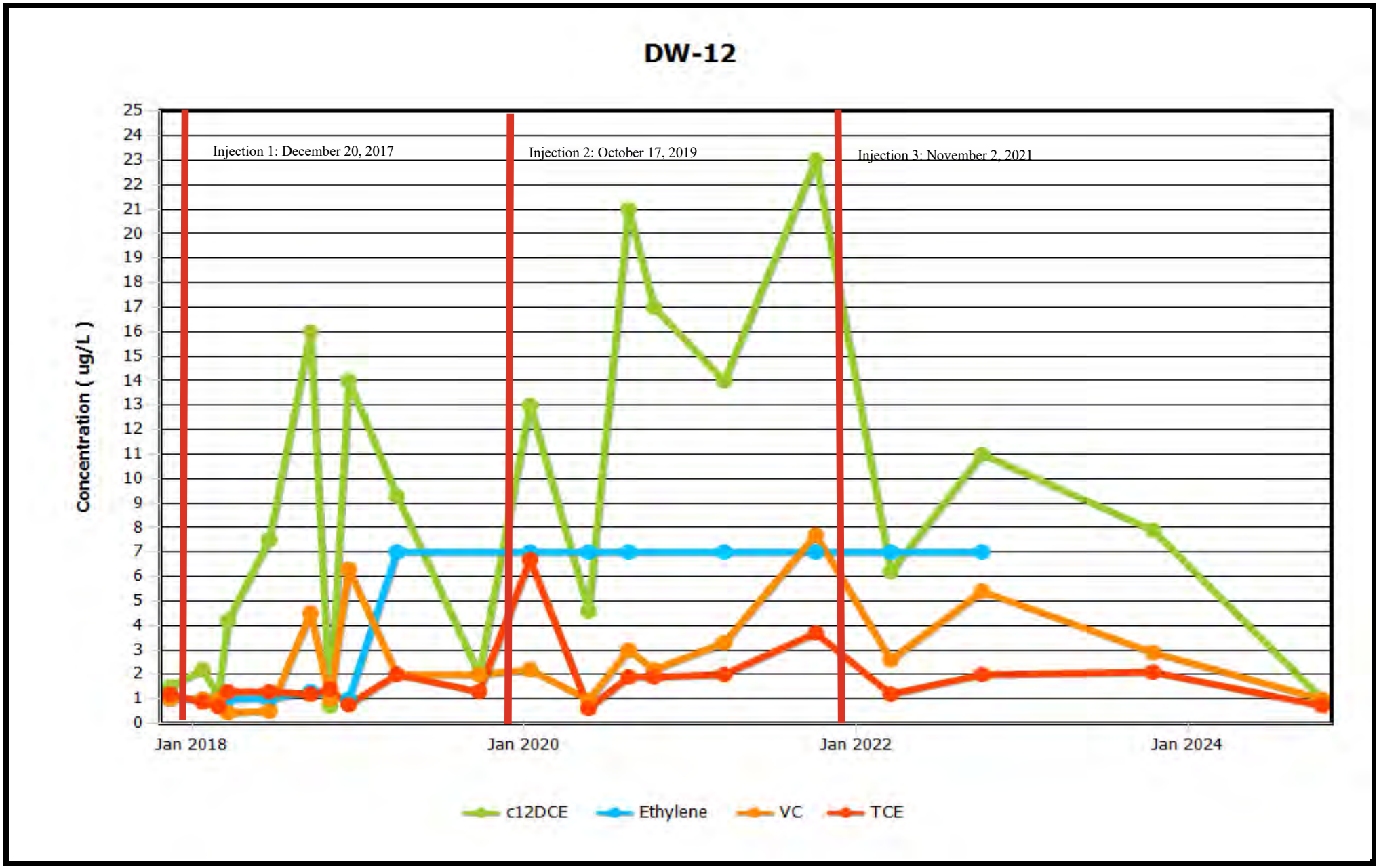
Appendix I - Graph 6 MF10

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



Appendix I - Graph 6 MF11

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



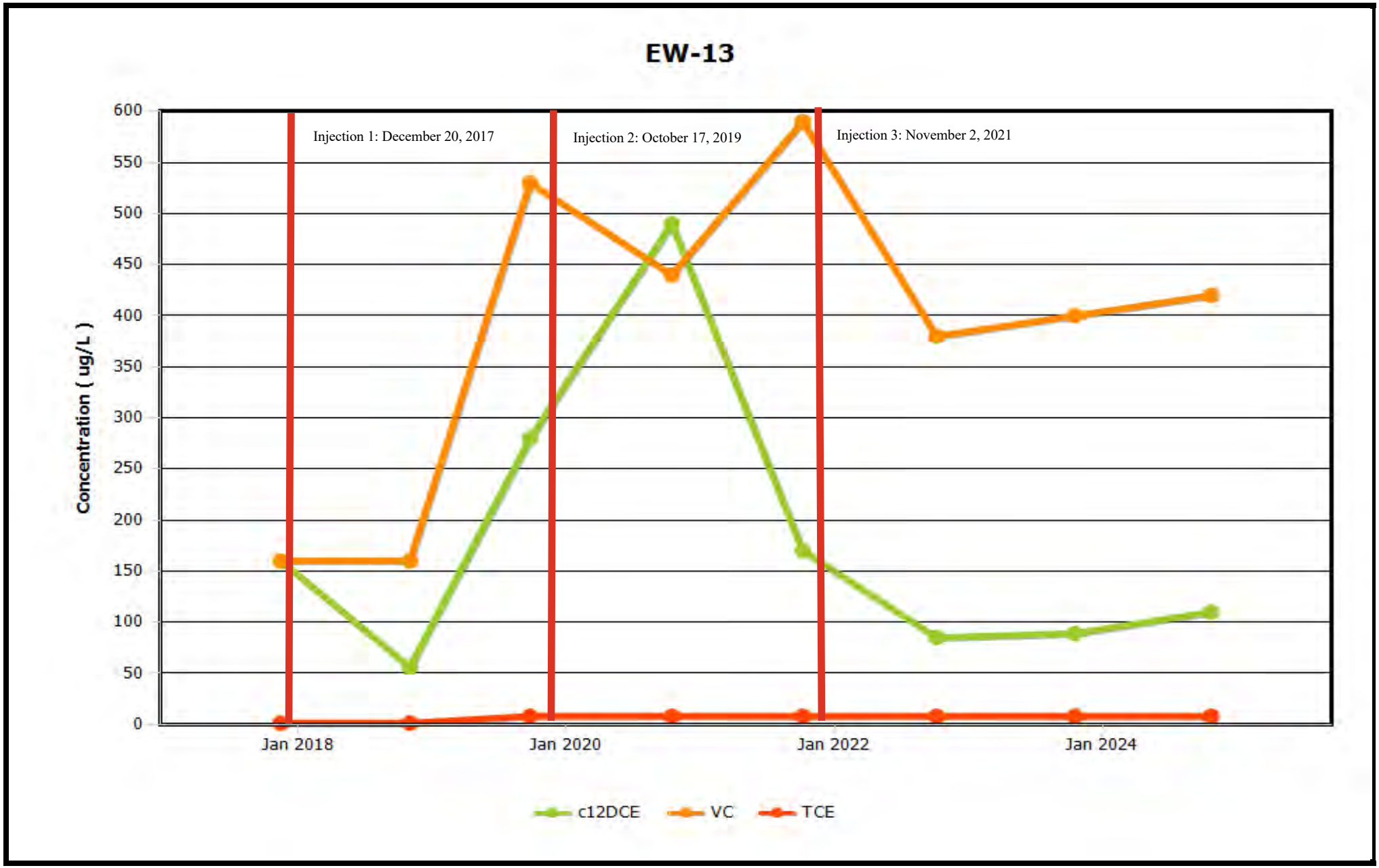
Appendix I - Graph 6 DON1

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



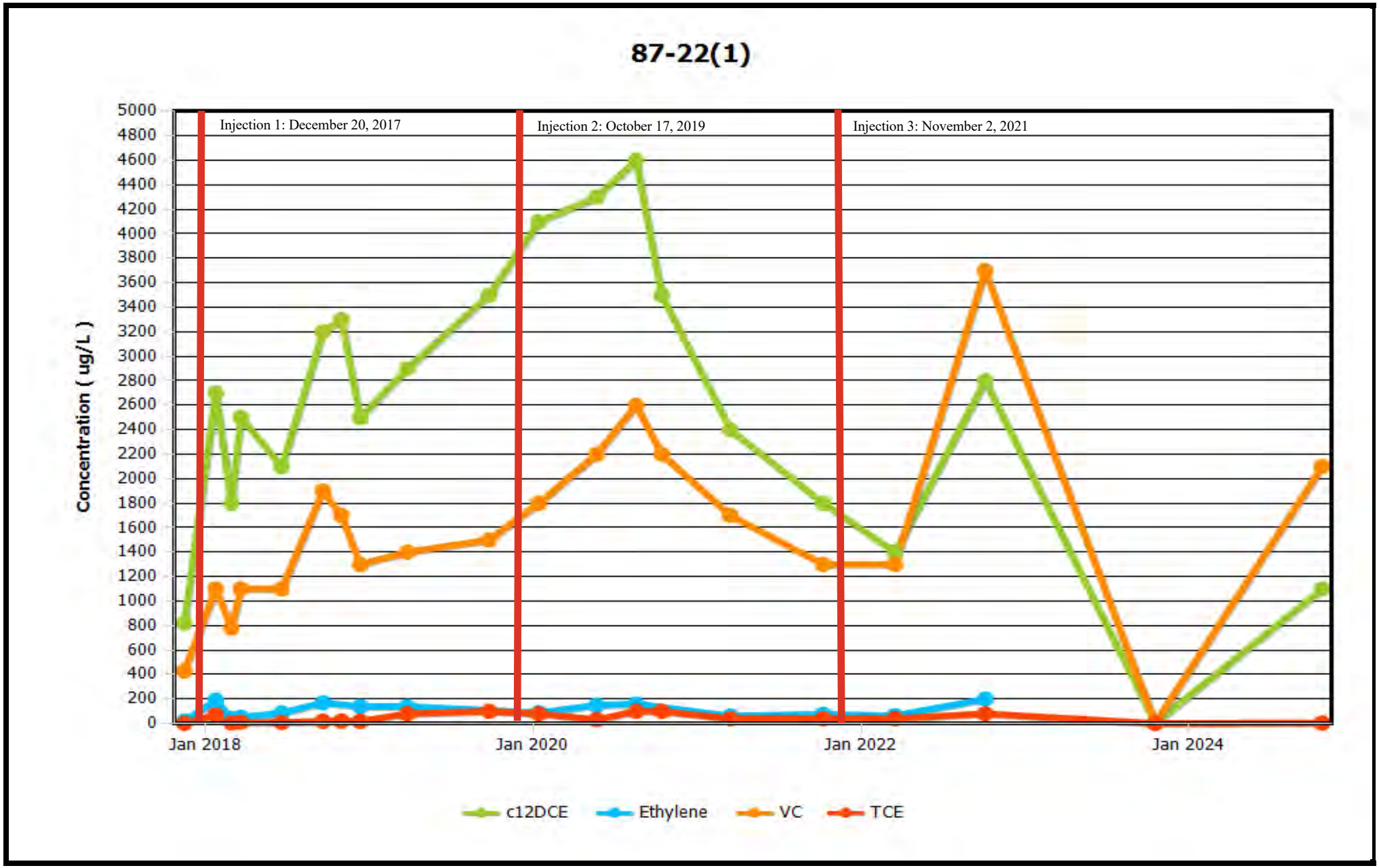
Appendix I - Graph 6 DON2

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



Appendix I - Graph 6 DON3

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



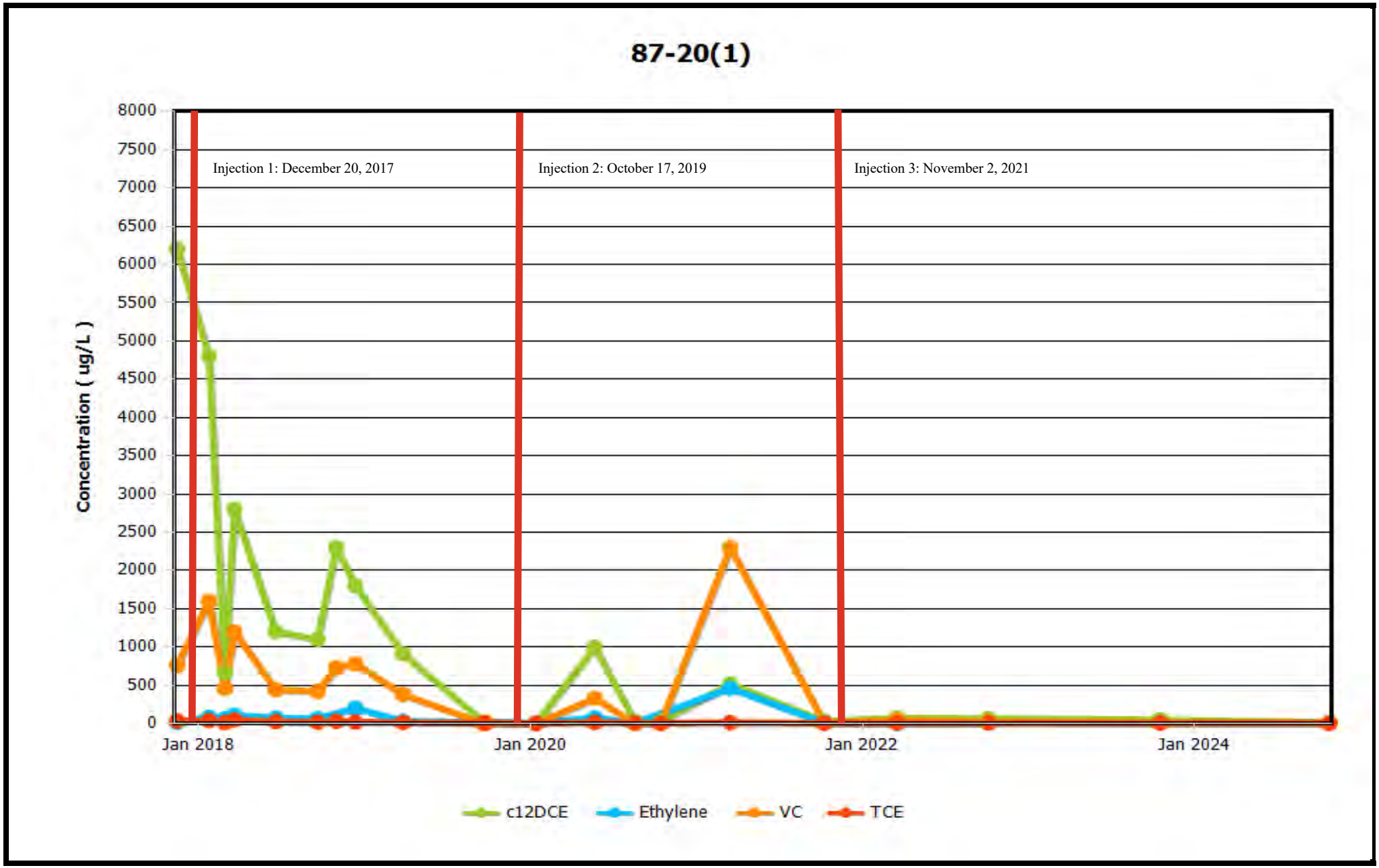
Appendix I - Graph 6 DON4

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



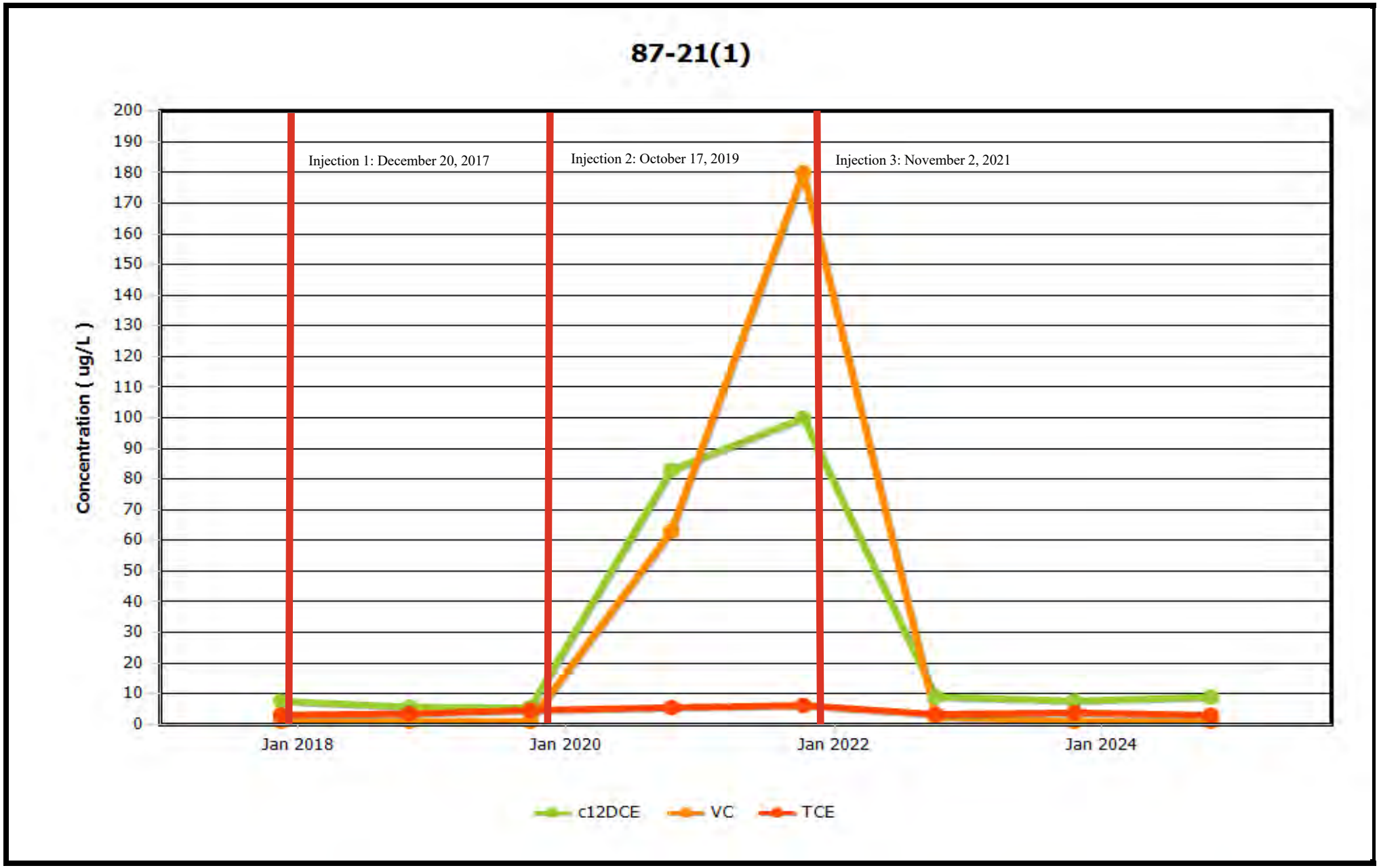
Appendix I - Graph 6 DOFF 1

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



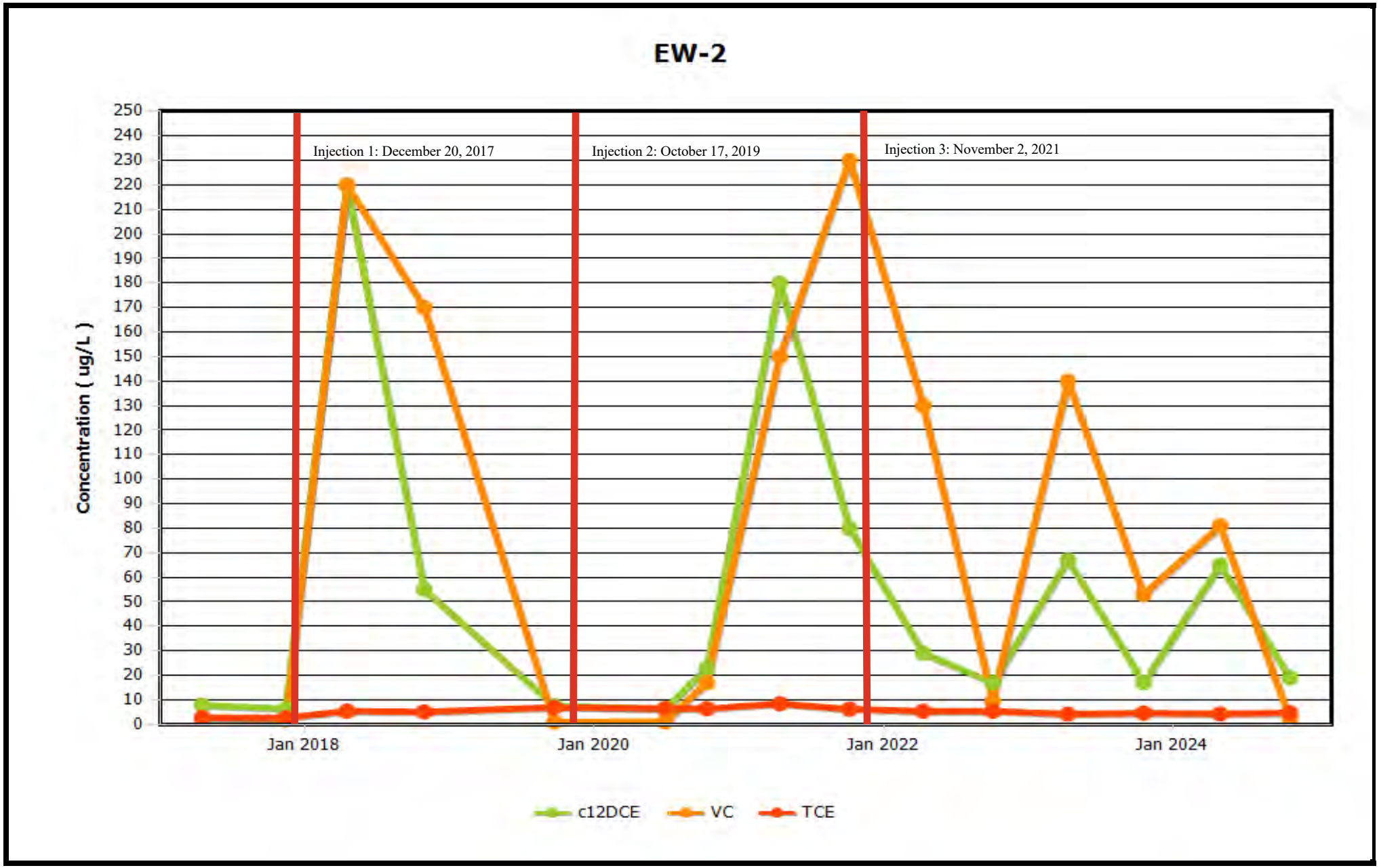
Appendix I - Graph 6 DOFF 2

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



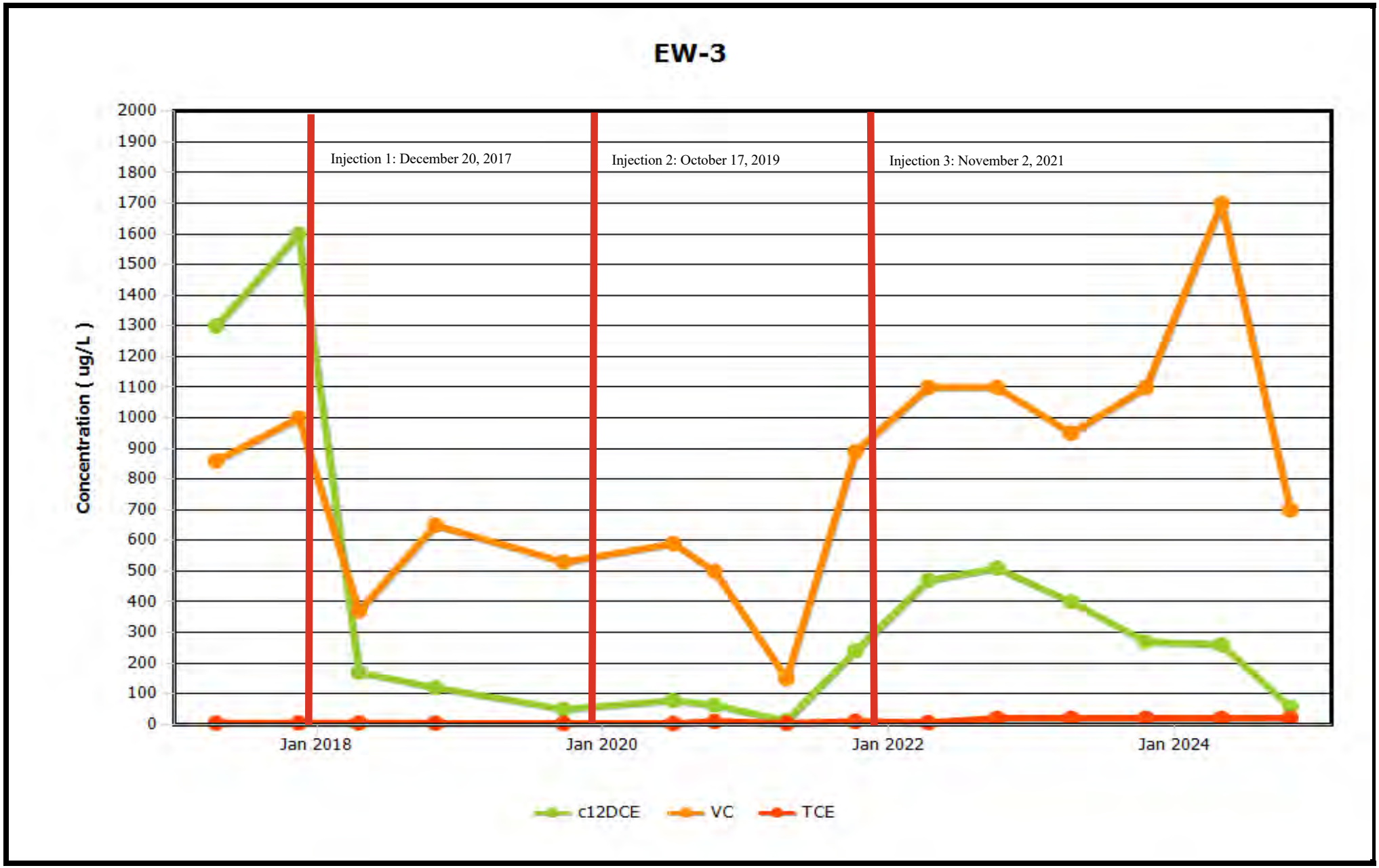
Appendix I - Graph 6 DOFF 3

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



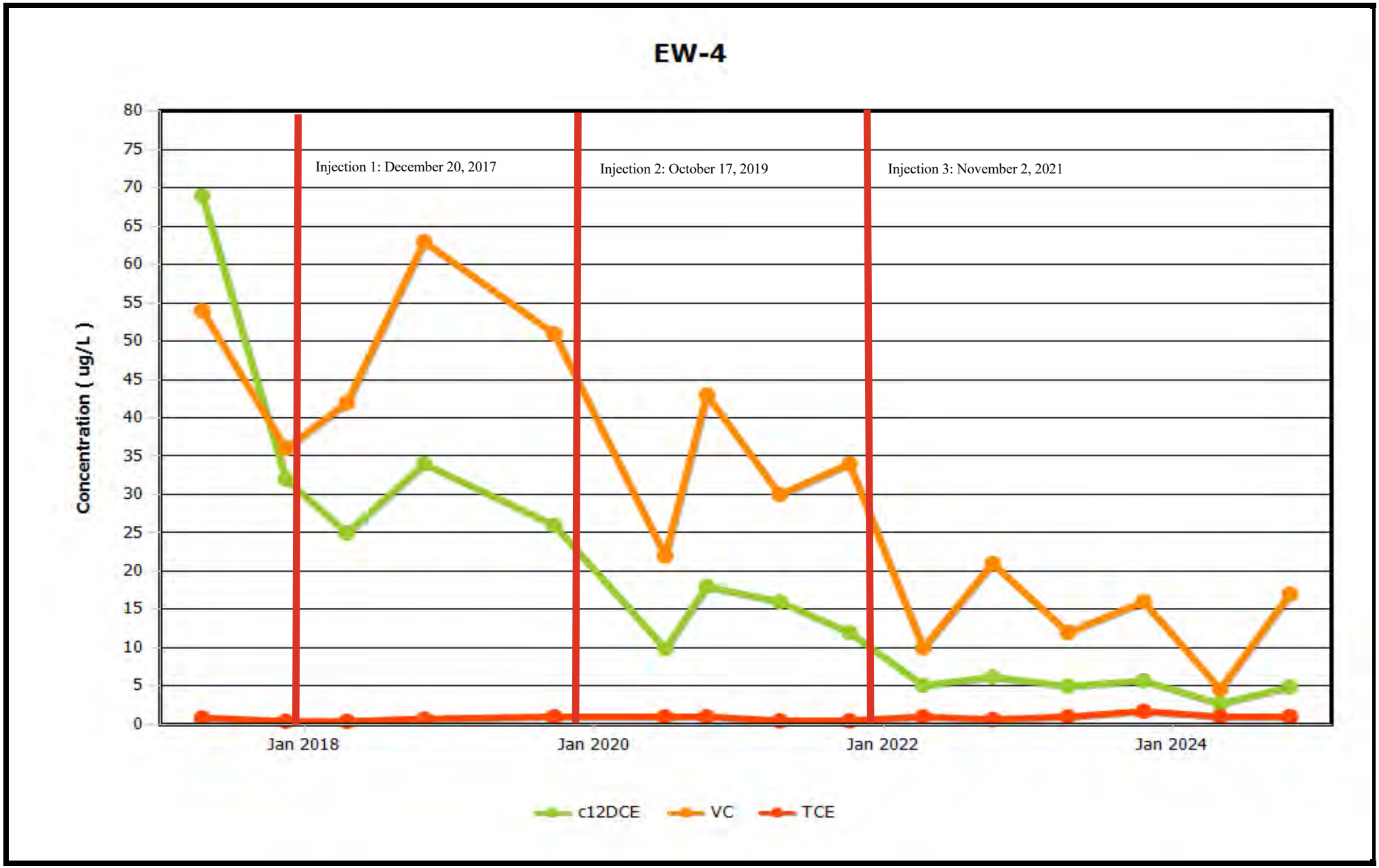
Appendix I - Graph 6 DOFF 4

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



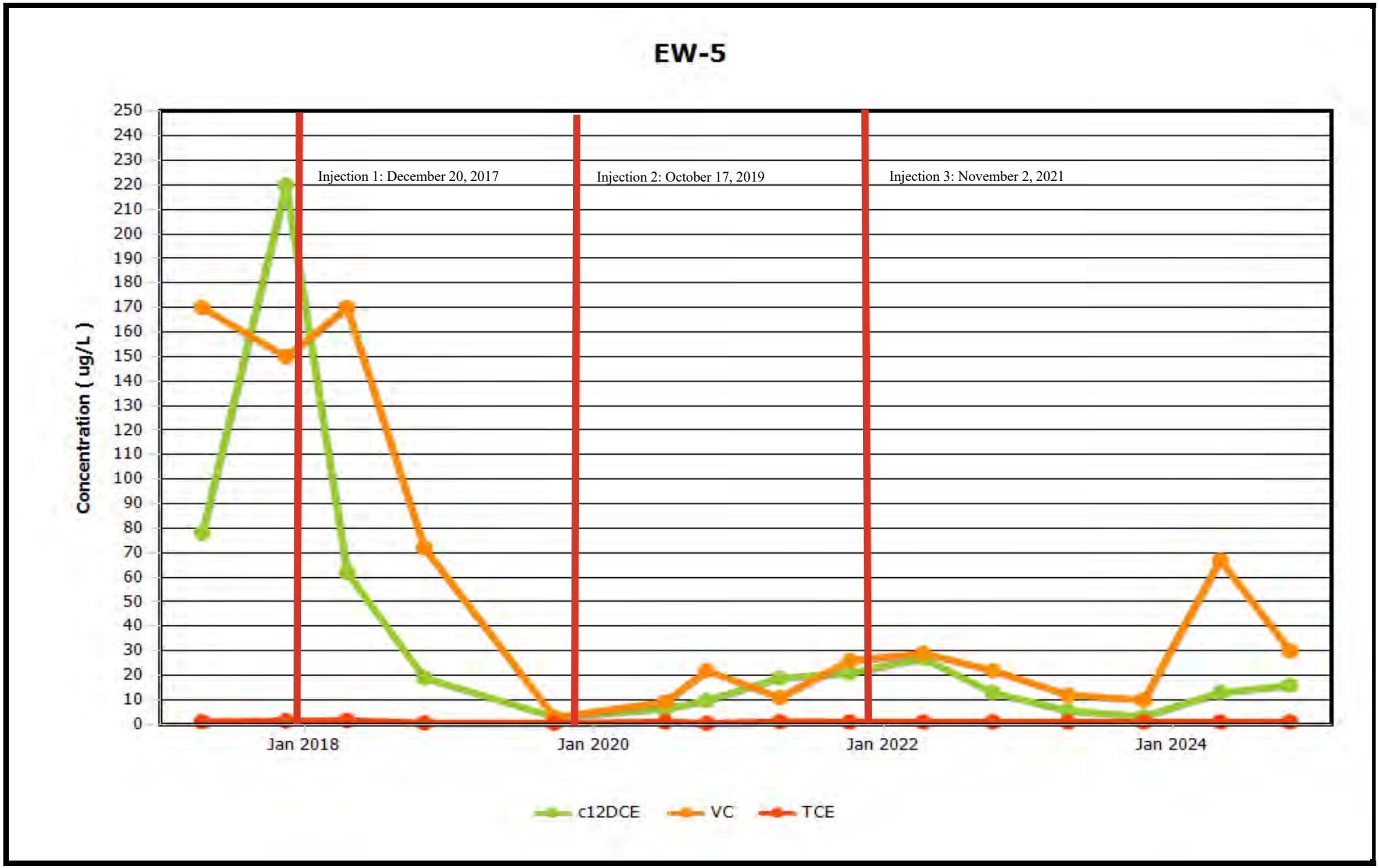
Appendix I - Graph 6 DOFF 5

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



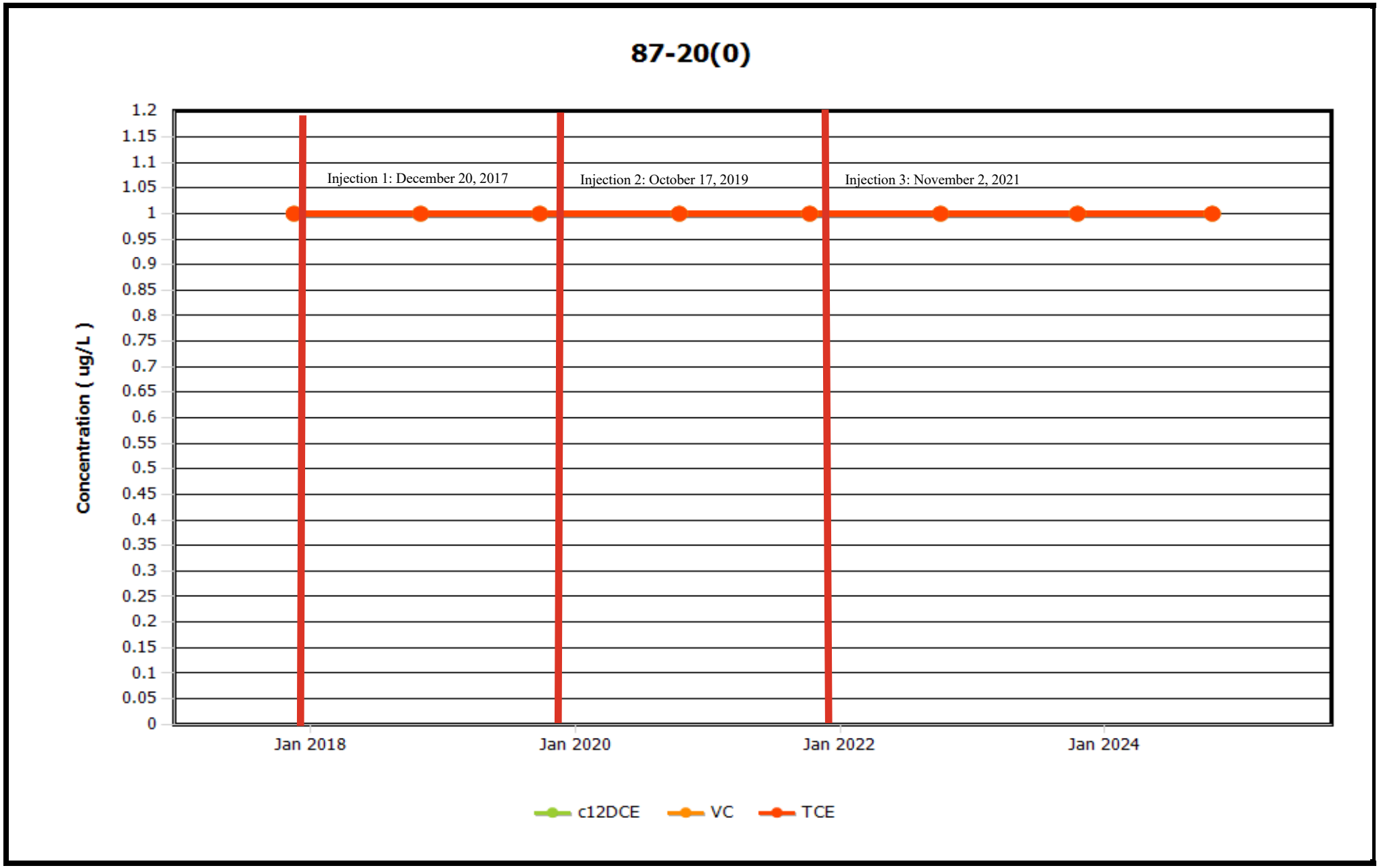
Appendix I - Graph 6 DOFF 6

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



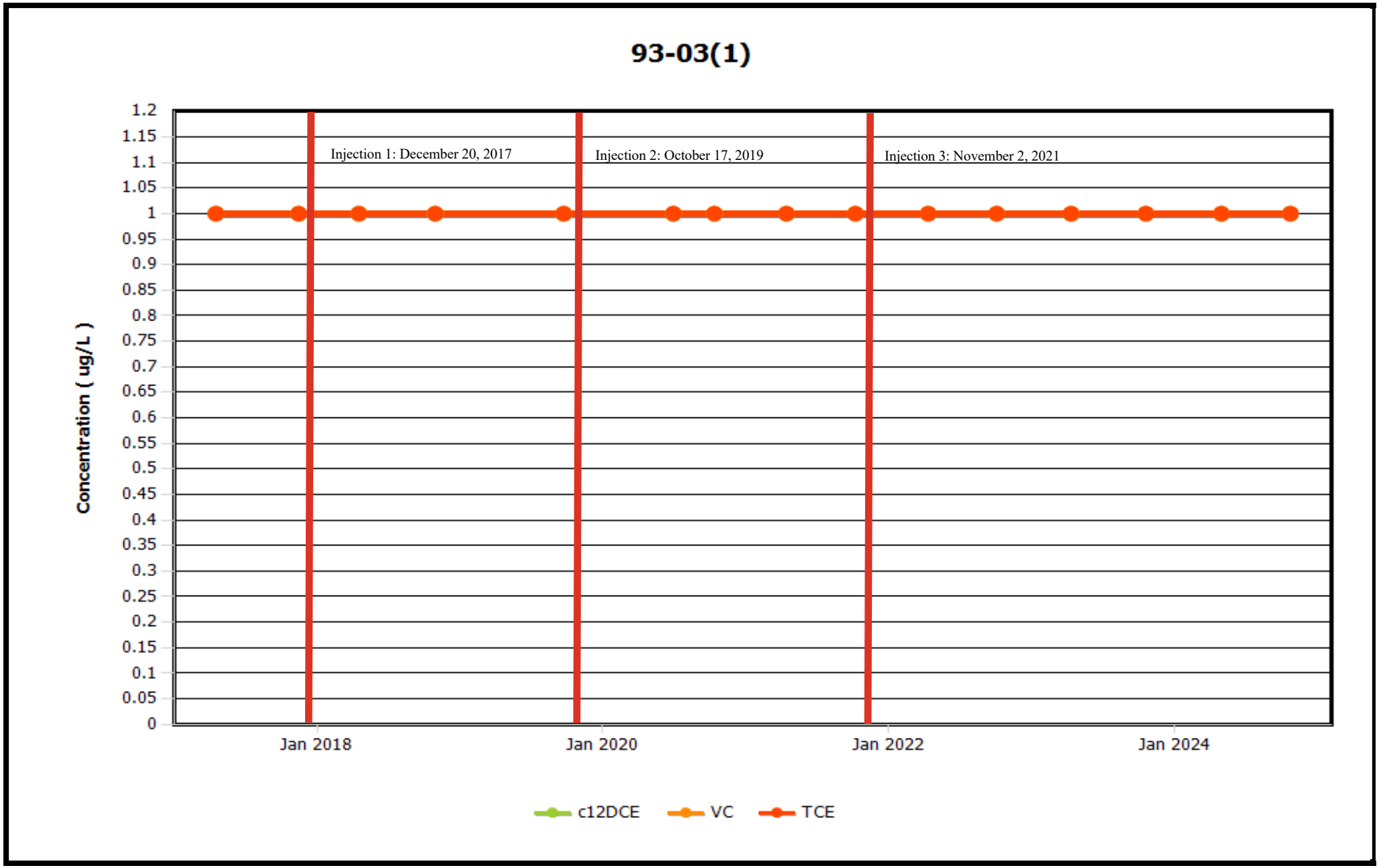
Appendix I - Graph 6 DOFF 7

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



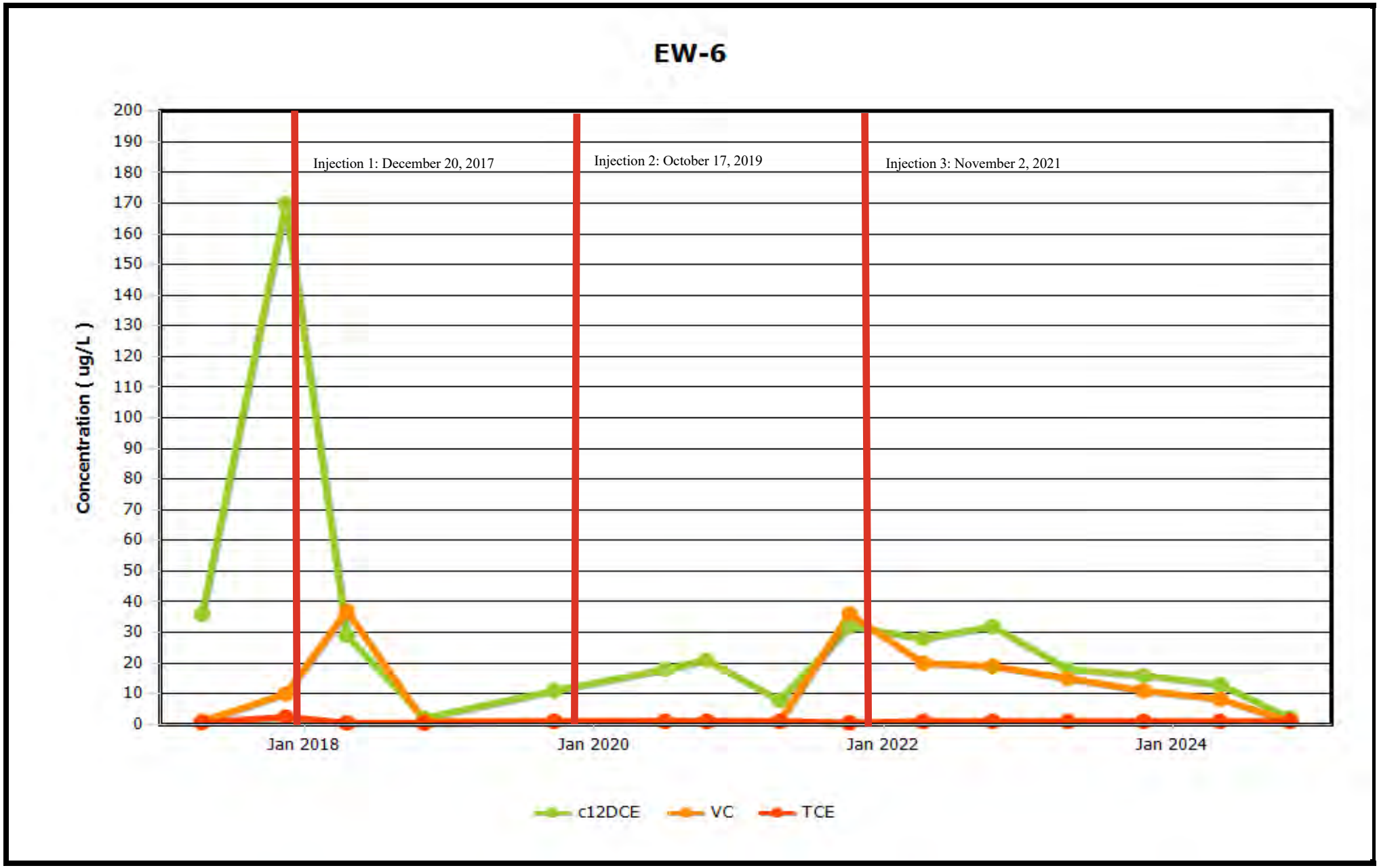
Appendix I - Graph 6 DOFF 8

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



Appendix I - Graph 6 DOFF 9

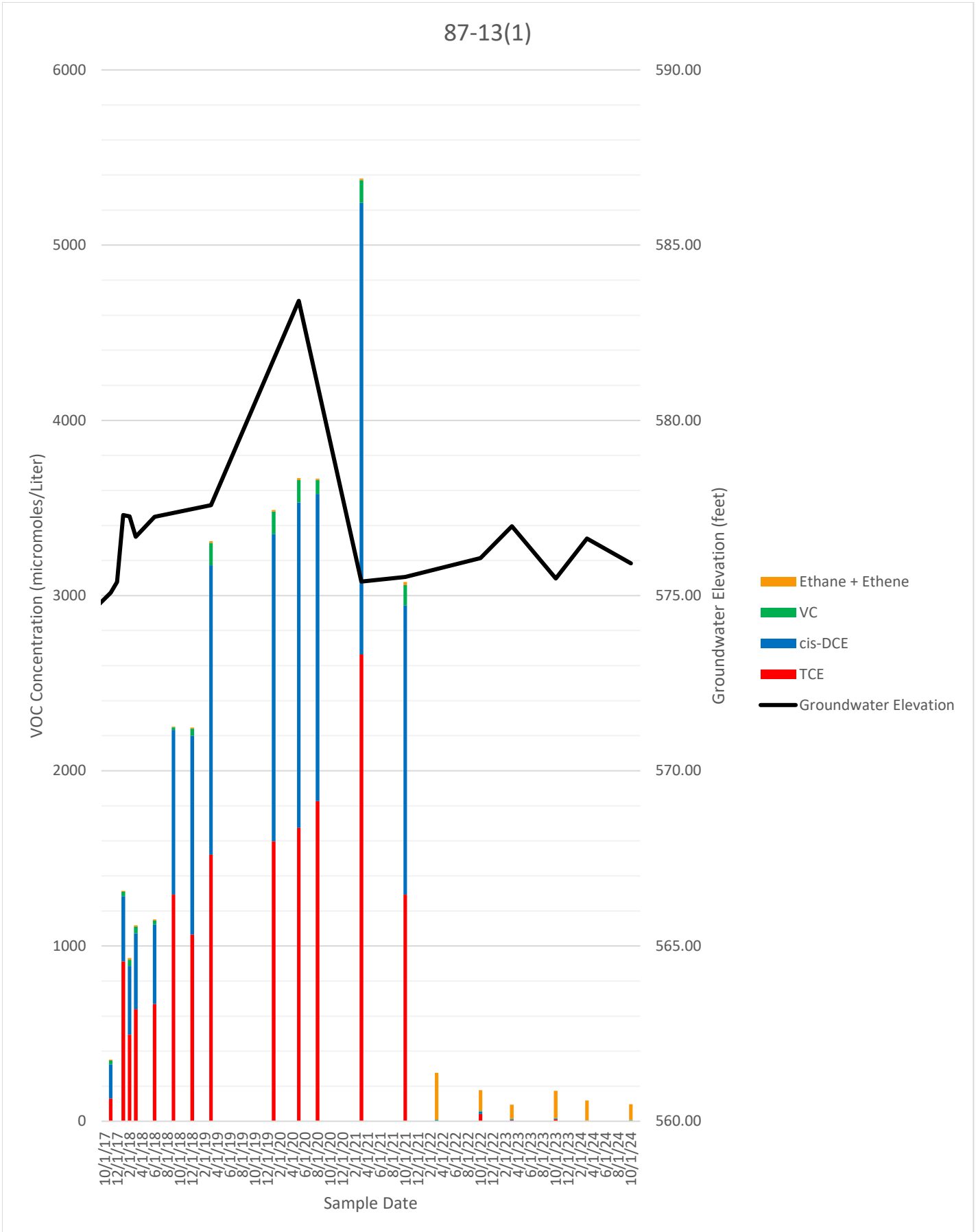
Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



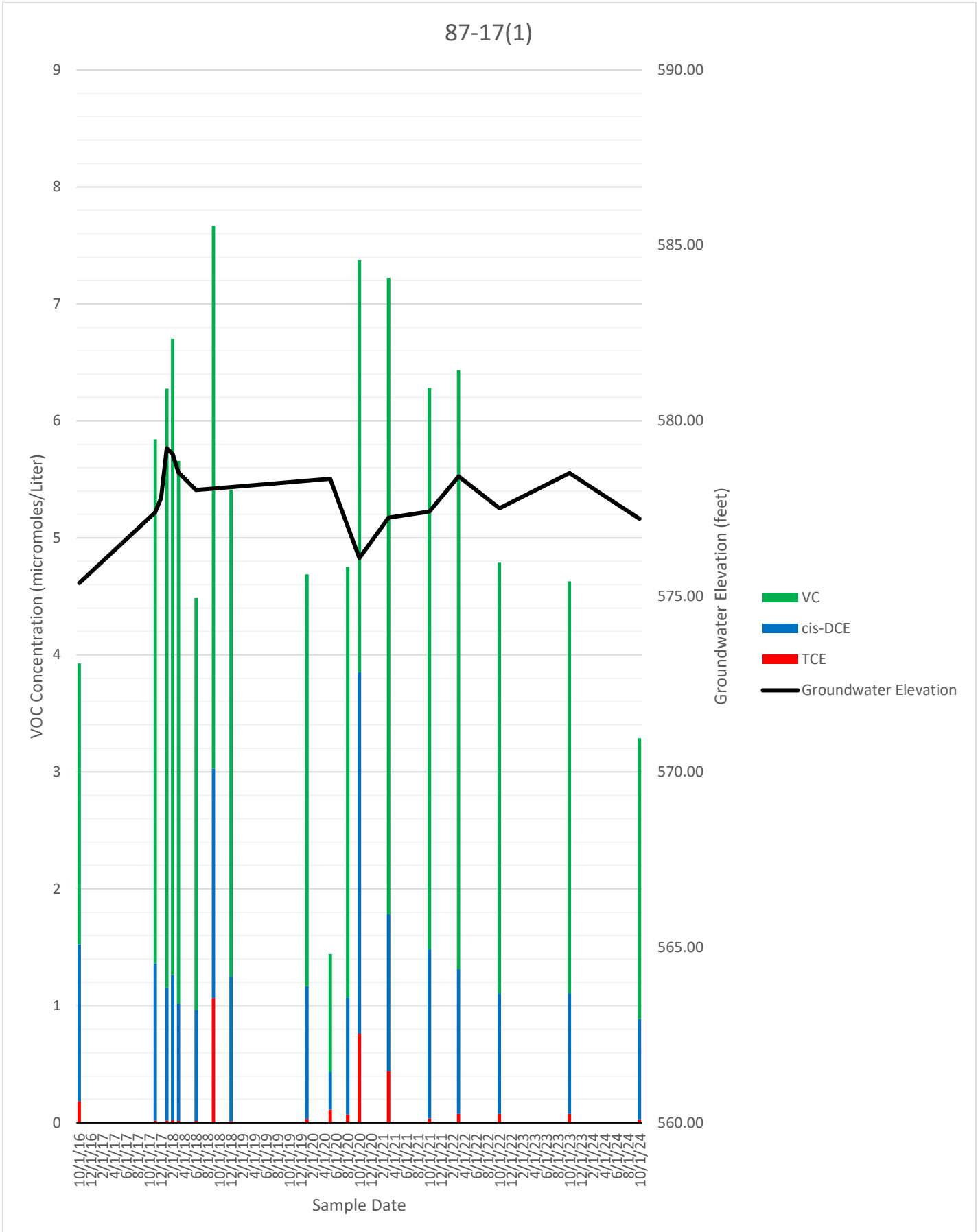
Appendix J

Molar Graphs

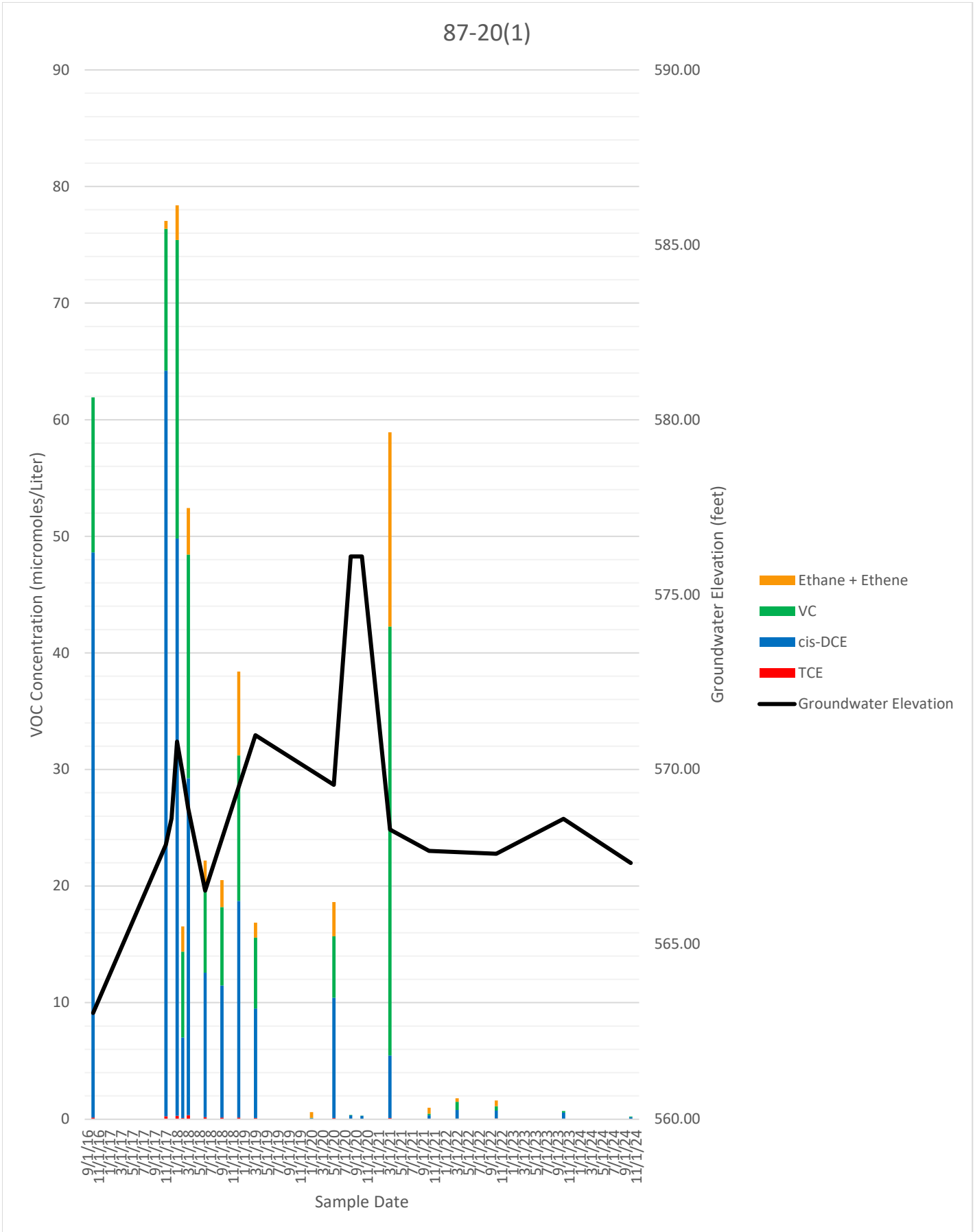
Appendix J
Micromolar Graphs
Former Bell Aerospace Textron Inc.
Wheatfield, New York



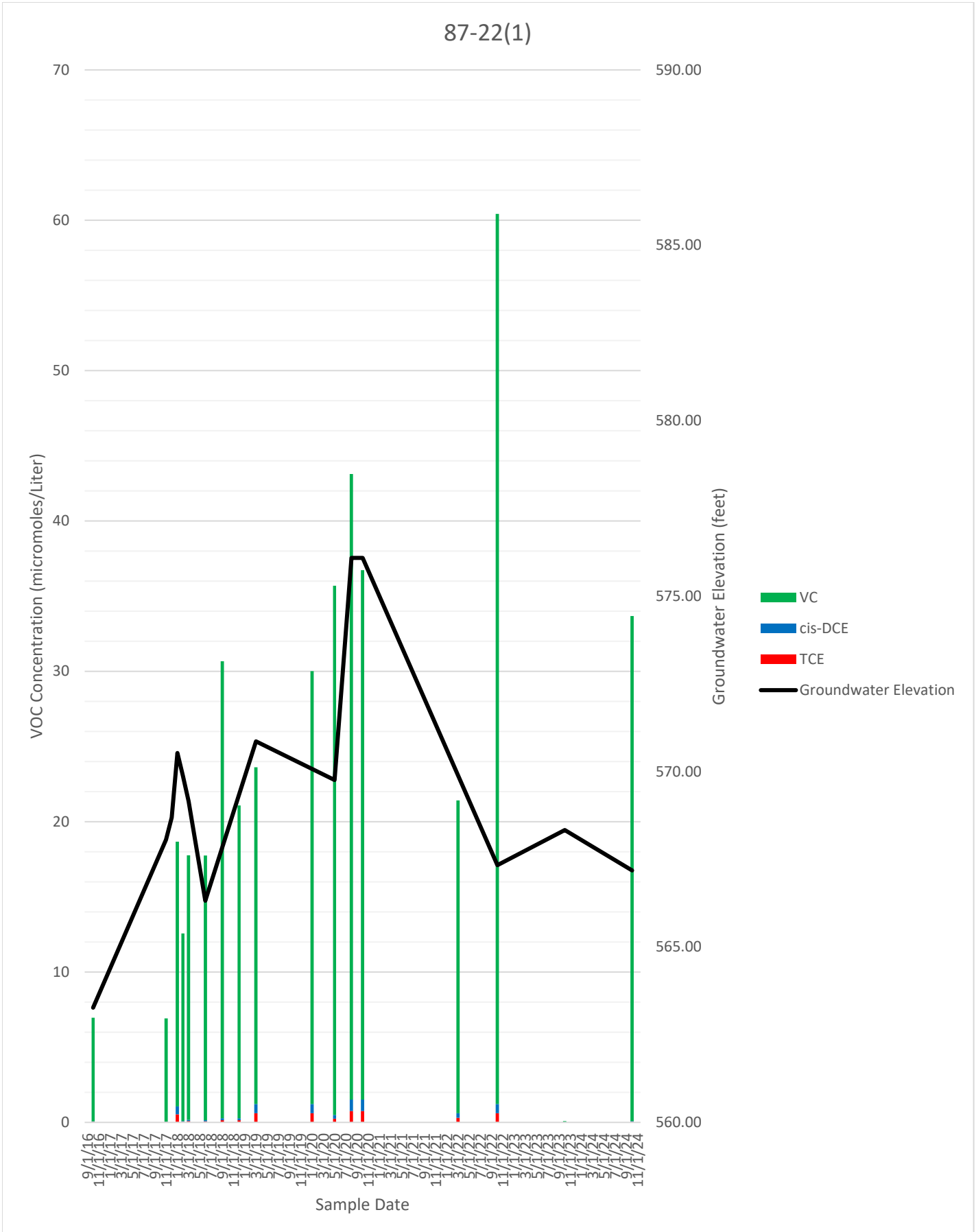
Appendix J
Micromolar Graphs
Former Bell Aerospace Textron Inc.
Wheatfield, New York



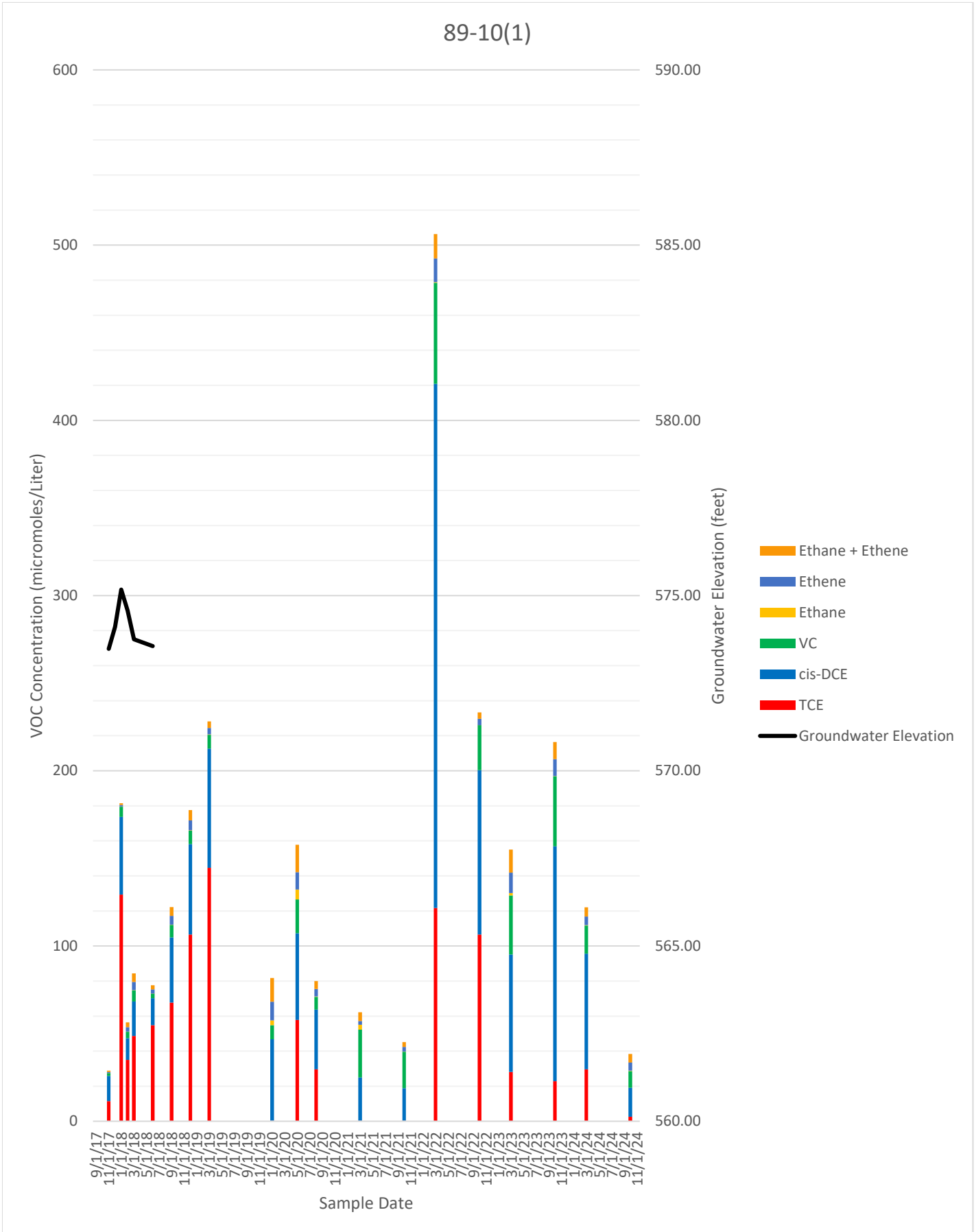
Appendix J
Micromolar Graphs
Former Bell Aerospace Textron Inc.
Wheatfield, New York



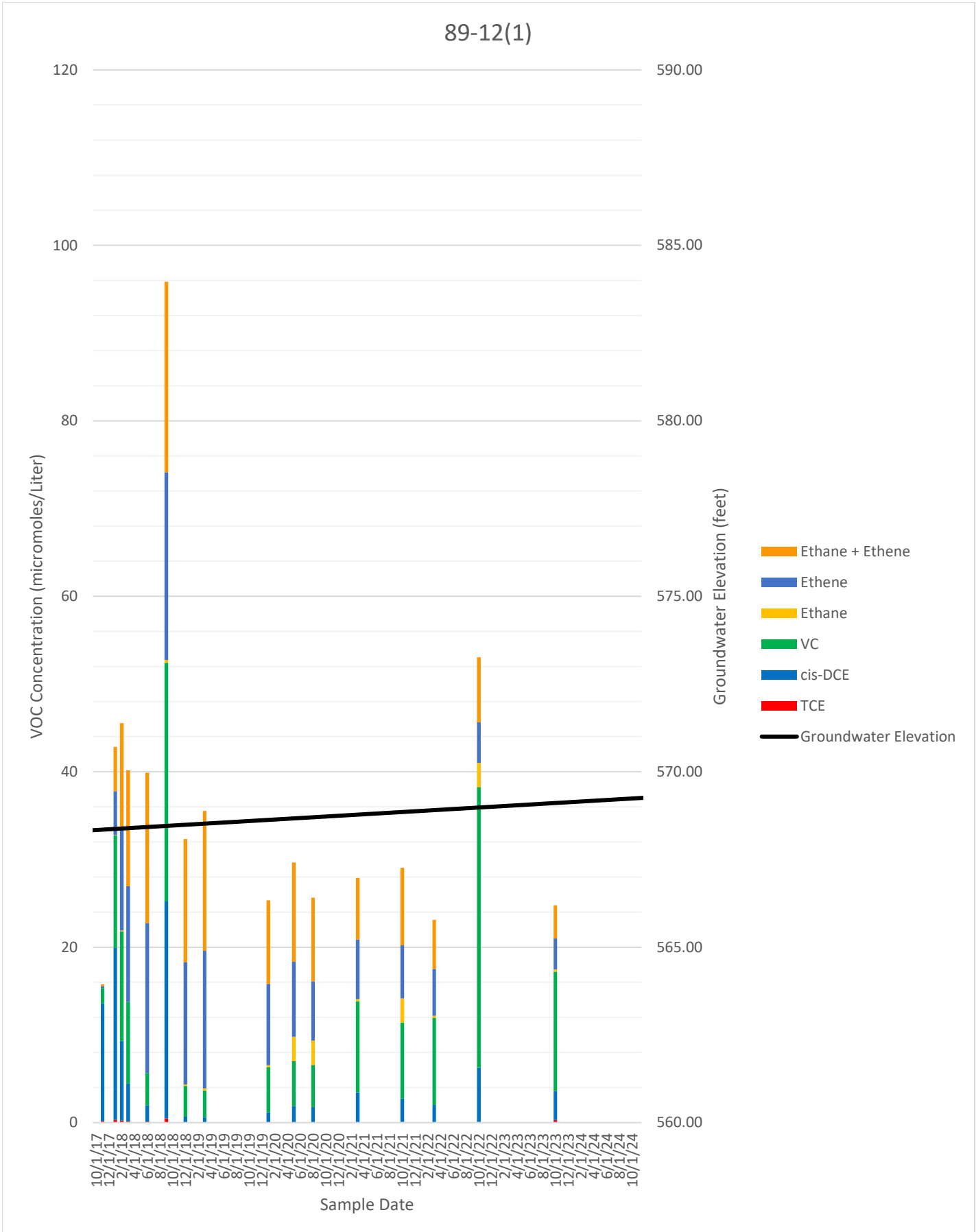
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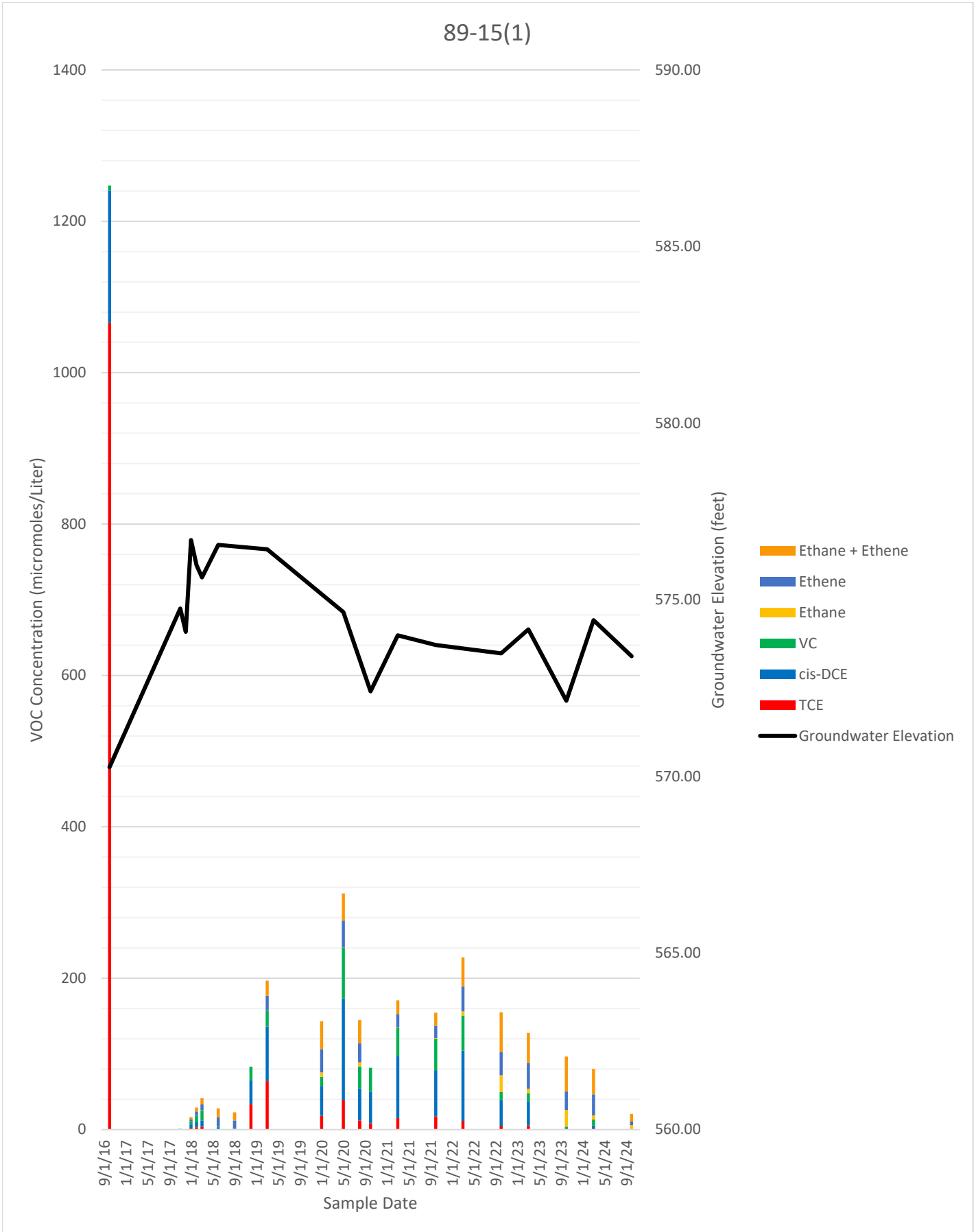
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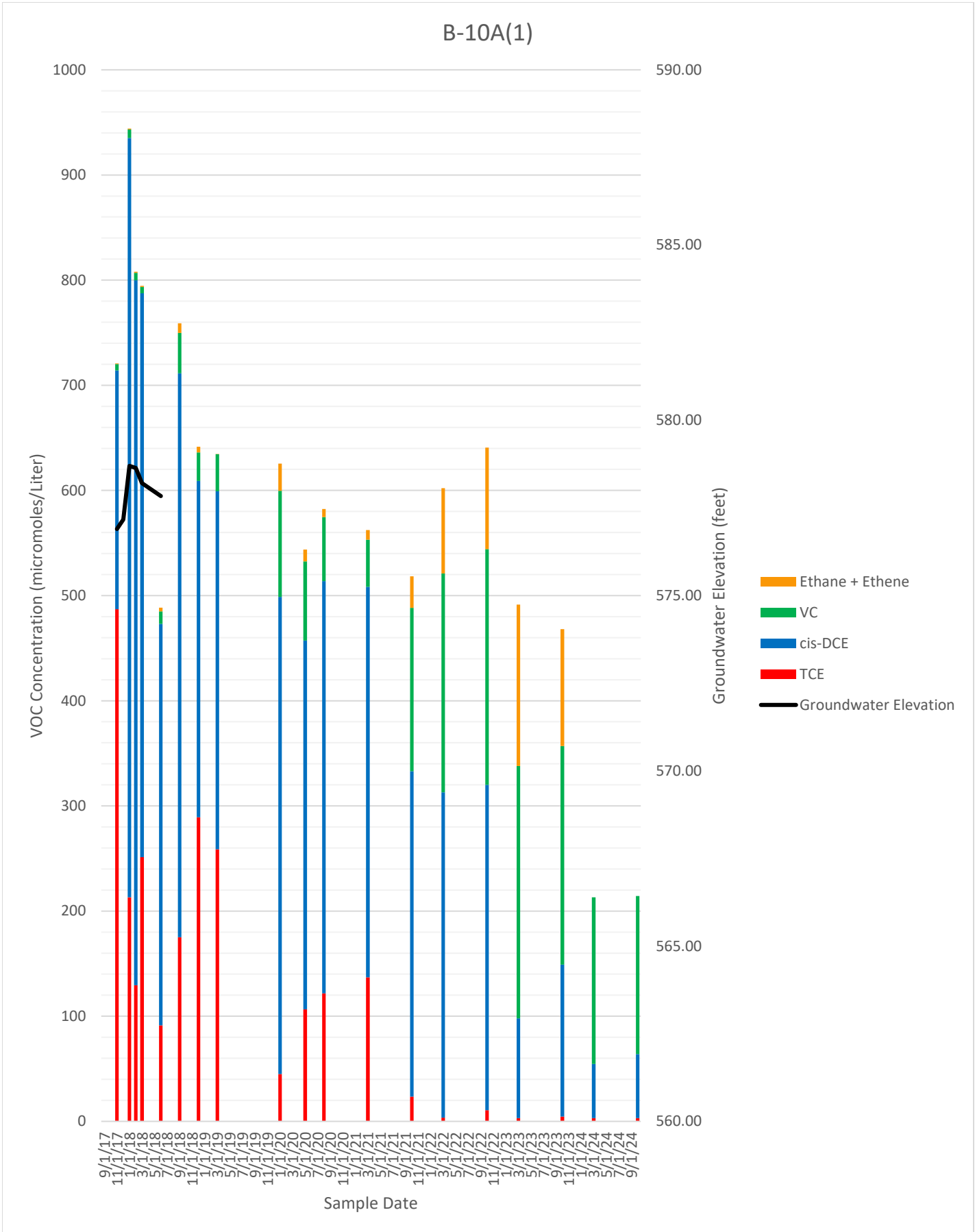


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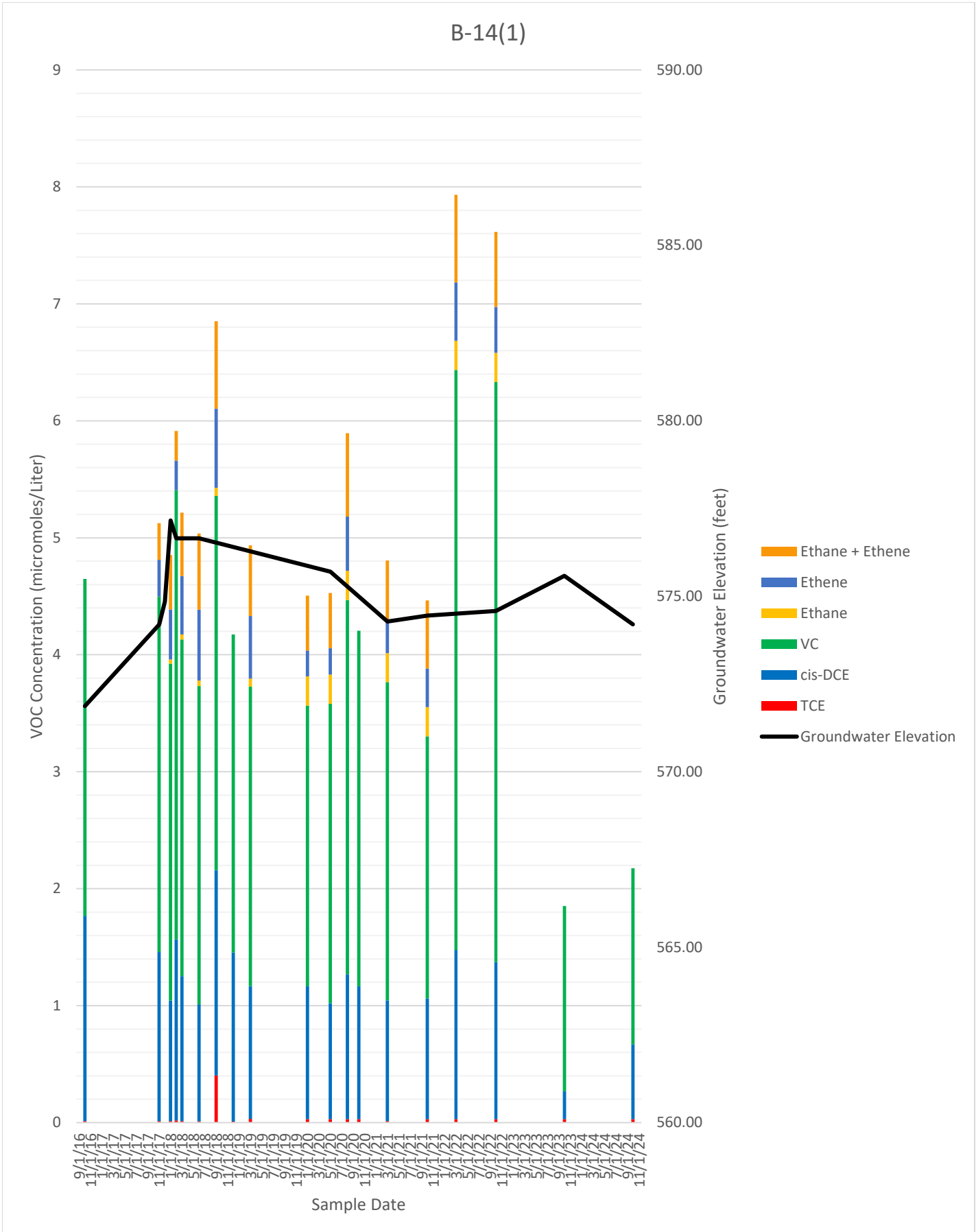


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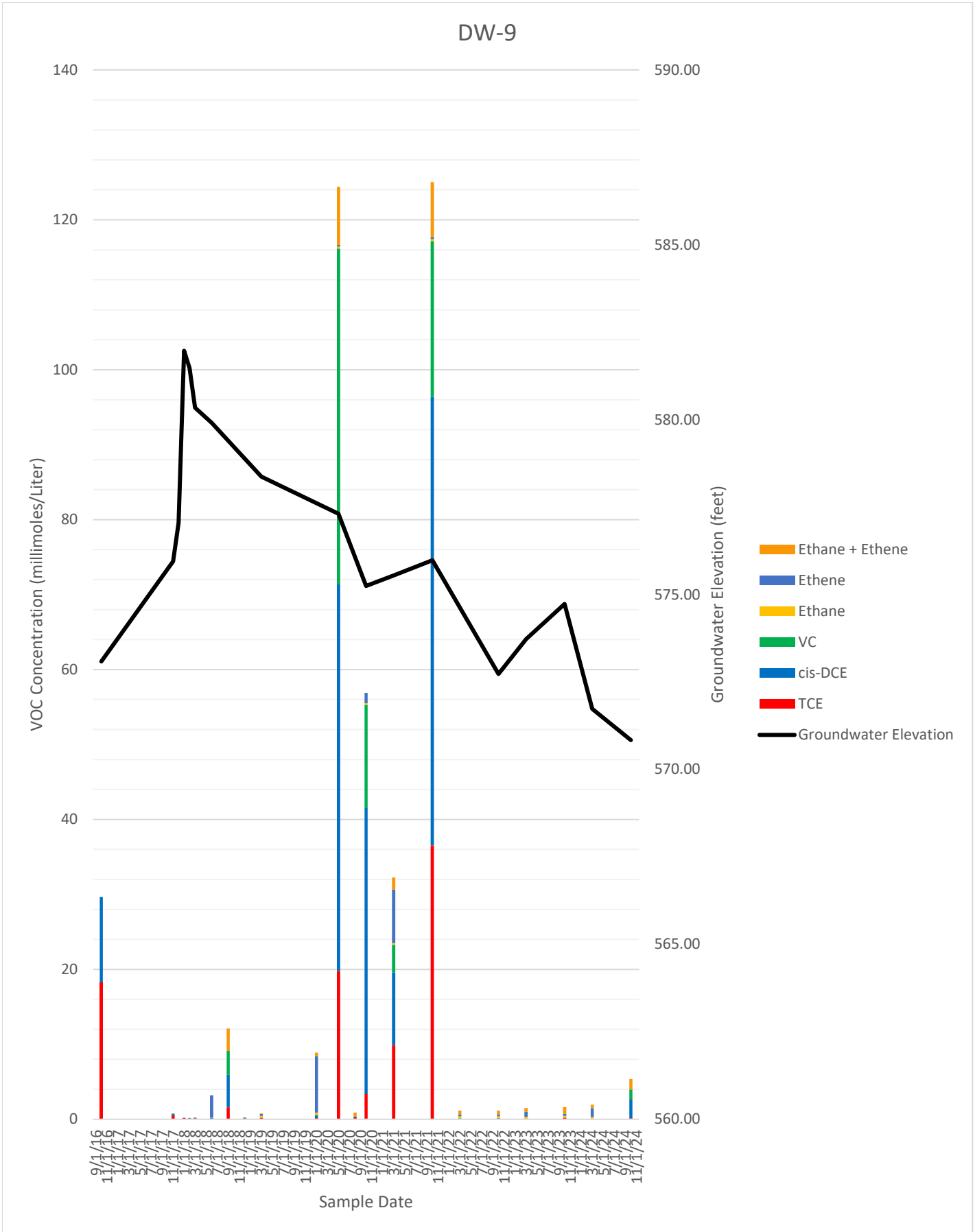


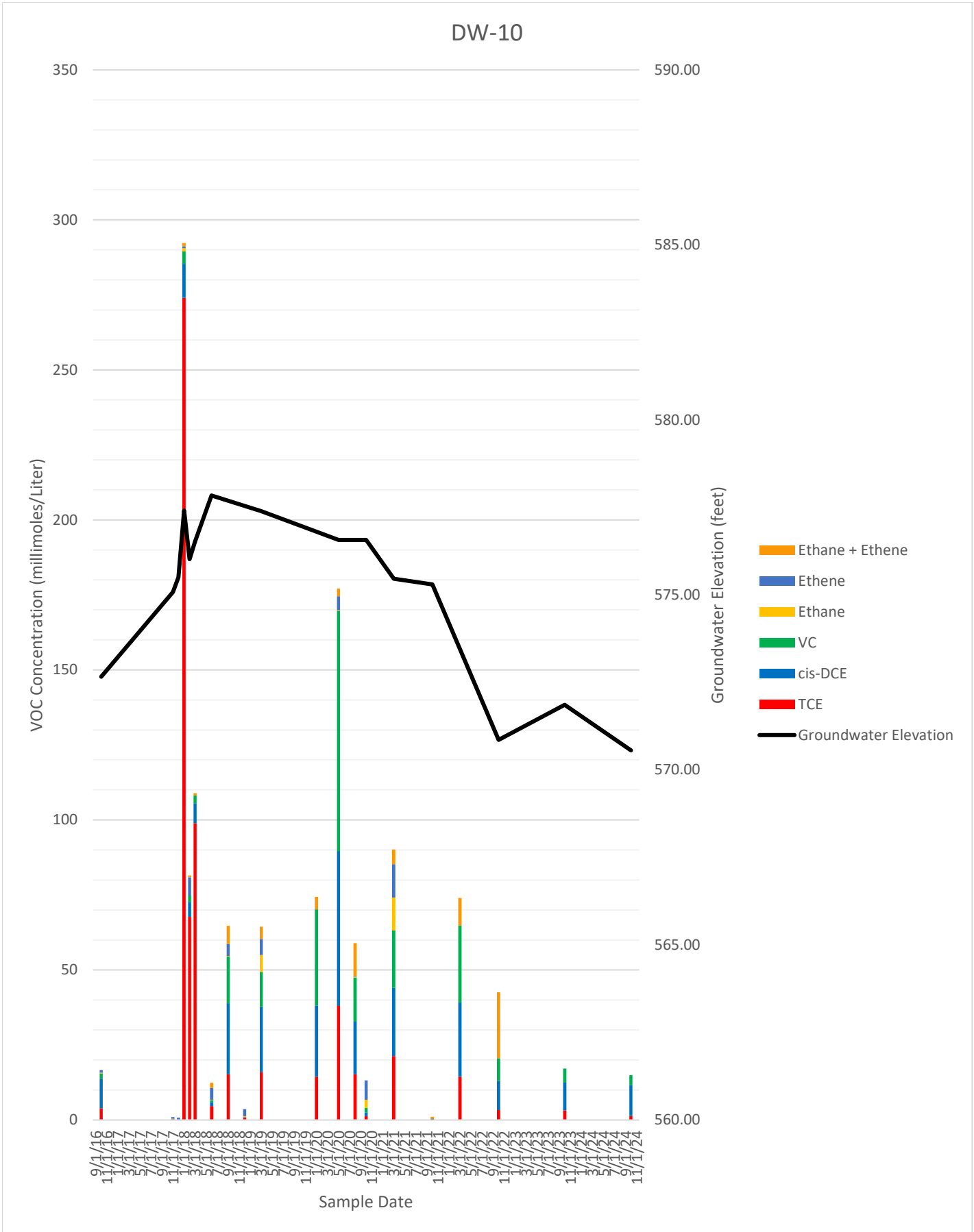

B-10A(1)
VOC Concentration (micromoles/Liter)
Groundwater Elevation (feet)
Sample Date
Ethane + Ethene
VC
cis-DCE
TCE
Groundwater Elevation
1000
900
800
700
600
500
400
300
200
100
0
590.00
585.00
580.00
575.00
570.00
565.00
560.00
9/1/17
11/1/17
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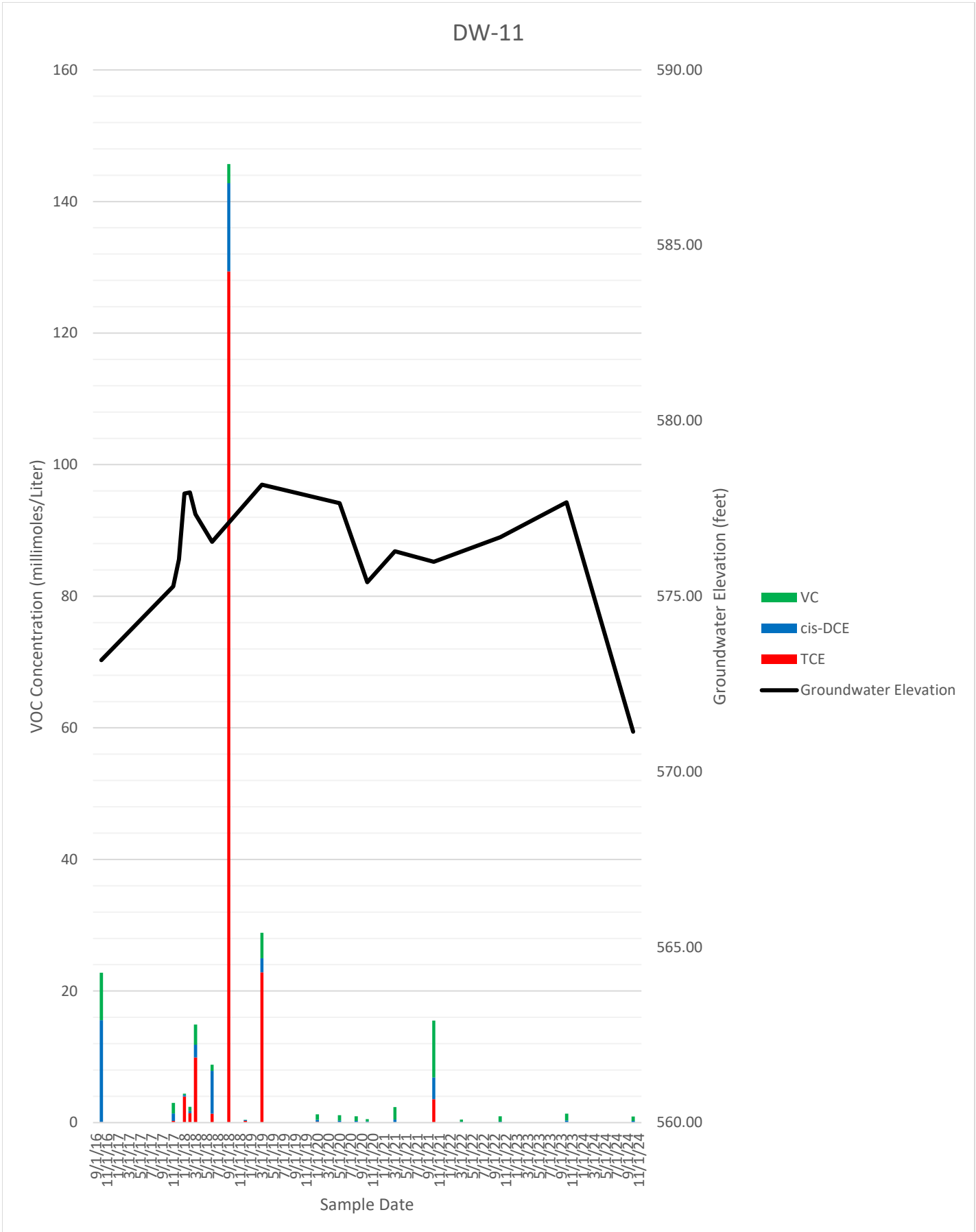


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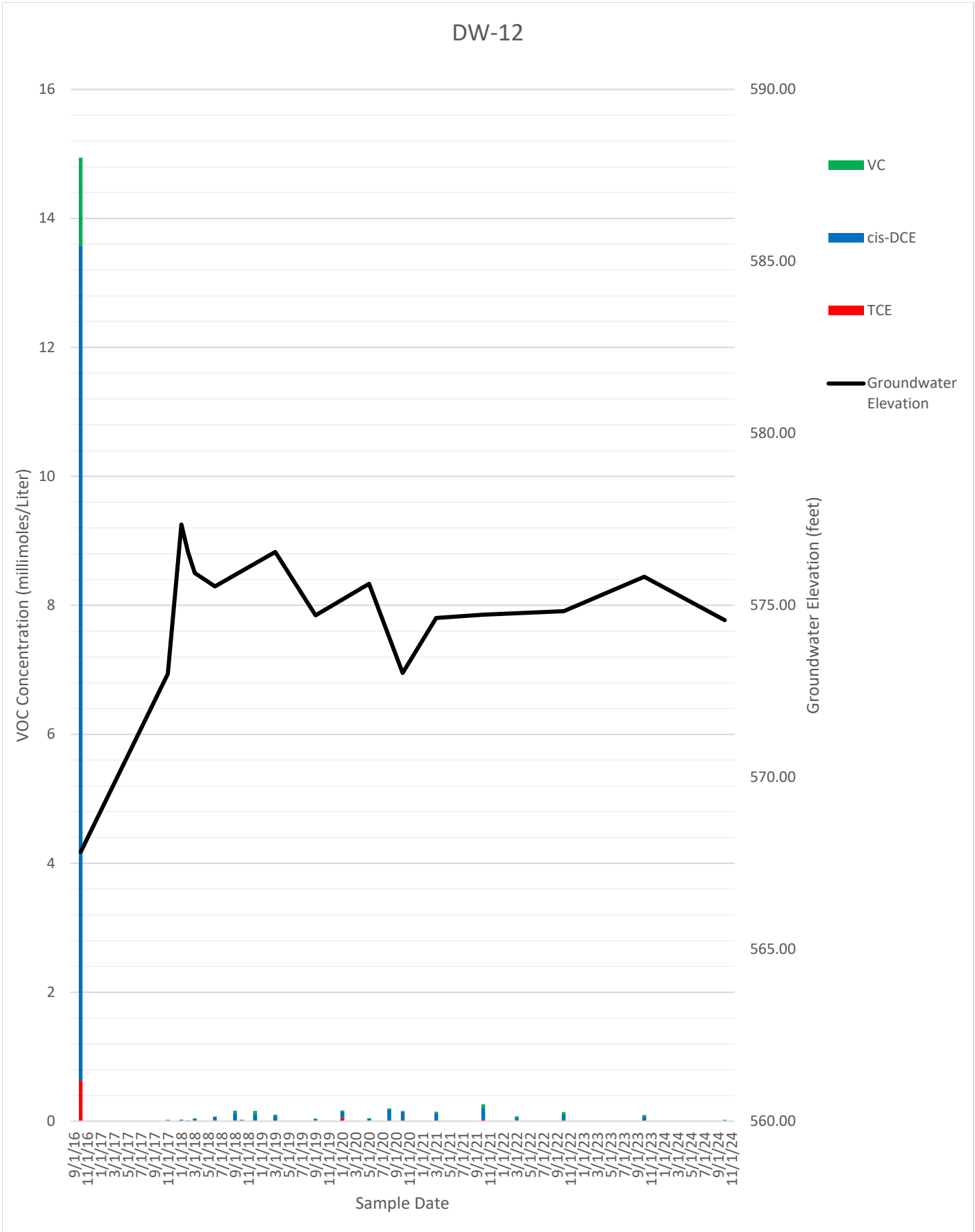



DW-10
VOC Concentration (millimoles/Liter)
Groundwater Elevation (feet)
Sample Date
Ethane + Ethene
Ethene
Ethane
VC
cis-DCE
TCE
Groundwater Elevation

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Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 932052

Site Name Bell Aerospace - Textron

Site Address: Niagara Falls Boulevard and Walmore Road Zip Code: 14240
City/Town: Wheatfield
County: Niagara
Site Acreage: 0.500

Reporting Period: March 01, 2023 to March 01, 2024

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below?	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 932052 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
146.00-1-10	BELL AEROSPACE TEXTRON	
		Landuse Restriction
		Ground Water Use Restriction
		Soil Management Plan
		Monitoring Plan
		Site Management Plan
		O&M Plan
		IC/EC Plan

Two existing deed restrictions constitute the ICs for the site. The deed restrictions are dated December 14, 1992 and recorded on December 22, 1992. One deed restriction is specific to the "Western" portion of the site and the other for Textron and NYSDEC to complete the work required to remediate impacts associated with the former neutralization pond and solid waste management units on the eastern portion of the site. The deed restrictions limit future use of the property to industrial/commercial purposes only.

The deed restrictions also indicate that future subsurface alternations, construction or changes in existing building foundations, sewers, utilities and other subsurface structures, or excavation on the property should proceed with appropriate caution. Furthermore, the deed restriction associated with the Eastern portion of the property requires that portion of the property to be restricted consistent with 6 NYCRR section 373-2.7 as if it were a "hazardous waste disposal facility". Previous deed restrictions approved by NYSDEC require monitoring to ensure compliance with the deed restrictions is maintained.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
146.00-1-10	
	Groundwater Containment
	Fencing/Access Control
	Groundwater Treatment System
	Cover System

Groundwater use restrictions
Compliance with SMP
Annual monitoring of groundwater
On-site groundwater pump and treat system
Off-site groundwater pump and treat system

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 932052

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gregory Simpson (print name) at Textron, Inc. (print business address),

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

3/25/25
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Donald Alfred Busch (print name) at 150 Royall Street, Canton, MA 02021 (print business address)

am certifying as a Professional Engineer for the Textron, Inc. (Owner or Remedial Party)



Donald Alfred Busch — Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

9/26/2025 — Date