



2018 ANNUAL SUMMARY AND SITE MAINTENANCE AND MONITORING REPORT

***Former Bell Aerospace Facility
Wheatfield, New York***

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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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Table of Contents

Certification.....	ii
List of Tables	v
List of Figures	v
List of Appendices	vi
List of Acronyms & Abbreviations	vii
1.0 Introduction	1
2.0 Field Sampling Activities	3
2.1 General.....	3
2.2 Hydraulic Monitoring.....	3
2.2.1 Off-Site System Area.....	3
2.2.2 On-Site System Area.....	4
2.3 Groundwater Sampling.....	5
2.3.1 General.....	5
2.3.2 Monitoring and Extraction Well Sampling	5
2.4 Maintenance of Monitoring Points	6
2.4.1 Monitoring Wells Inspections.....	6
2.4.2 Homeowner Communications Regarding Private Well Abandonment.....	7
3.0 Laboratory Analytical Methods and Results.....	8
3.1 Analytical Methods	8
3.2 Analytical Results	8
3.2.1 Off-Site System Efficiency Sampling	8
3.2.2 Annual Groundwater Sampling.....	8
3.3 QA/QC Samples.....	10
3.4 Data Review.....	10
4.0 Summary of Off-Site and On-Site Extraction System Operations	11
4.1 Review of Off-Site and On-Site System Operations	11
4.1.1 Off-Site System	11
4.1.2 On-Site System	11
4.1.3 Repairs, Upgrades, and Enhancements to Systems	11
4.1.4 Residential Sub-Slab Depressurization System	12
4.2 Discharge Monitoring.....	12
4.2.1 Off-Site System	12
4.2.2 On-Site System	12
4.2.3 Site Inspections.....	12
4.3 Evaluation.....	13

4.3.1	Chemical Data for Off-Site and On-Site Systems.....	13
4.3.2	Hydraulic Response	13
4.3.2.1	Off-Site System.....	13
4.3.2.2	On-Site System.....	13
4.4	Routine Operational Corrective Measures.....	14
5.0	Bioremediation Pilot Study.....	15
5.1	Bioremediation Sampling.....	15
5.2	Contaminant Concentrations	16
5.3	Contaminant Mass.....	17
5.4	Geochemical Parameters	18
6.0	Summary and Recommendations.....	20
6.1	Hydraulic Monitoring Data	20
6.2	Laboratory Data.....	20
6.3	Off-Site and On-Site System Performance.....	20
6.4	Bioremediation Pilot Study	20
6.5	Recommendations for Future Groundwater Monitoring and System Operations.....	21
7.0	References	22

Tables

Figures

Appendices

List of Tables

Table 1	Groundwater Monitoring Points, On-Site and Off-Site Effectiveness Monitoring Programs
Table 2	Hydraulic Monitoring Data – 2018 Annual Summary
Table 3A	Summary of Vertical Hydraulic Gradients – April 2017 Hydraulic Monitoring Event
Table 3B	Summary of Vertical Hydraulic Gradients – October 2017 Hydraulic Monitoring Event
Table 4	Summary of Field Sampling Measurements and Observations
Table 5	Summary of Groundwater Analytical Data
Table 6	Groundwater Laboratory Analytical Data – Bioremediation Program
Table 7	Groundwater Field Monitoring Data – Bioremediation Program
Table 8	Groundwater Analytical Data – Pre-Injection and One Year Post-Injection

List of Figures

Figure 1	Groundwater Monitoring Plan Gauge and Sample Locations
Figure 2	Groundwater Elevation Contour Map, Zone 1 Bedrock – April 2018
Figure 3	On-Site Groundwater Elevation Contour Map, Zone 1 Bedrock – April 2018
Figure 4	Groundwater Elevation Contour Map, Zone 1 Bedrock – October 2018
Figure 5	On-Site Groundwater Elevation Contour Map, Zone 1 Bedrock – October 2018
Figure 6	On-Site Groundwater Elevation Contour Map, Zone 3 Bedrock – October 2018
Figure 7	Changes in TVOC Concentrations – October 2018
Figure 8	Total VOC Concentrations vs. Time in Monitoring Well 89-15(1)
Figure 9	Total VOC Concentrations vs. Time in Monitoring Well 87-20(1)
Figure 10	Total VOC Concentrations vs. Time in Extraction Well EW-4
Figure 11	Dissolved Phase Plume Map, Zone 1 Bedrock – October 2018
Figure 12	Dissolved Phase Plume Map, Overburden – October 2018
Figure 13	Trichloroethene Concentration Map, Zone 1 Bedrock – Pre-Injection Conditions through December 2018
Figure 14	cis-1,2-Dichloroethene Concentration Map, Zone 1 Bedrock – Pre-Injection Conditions through December 2018
Figure 15	Vinyl Chloride Concentration Map, Zone 1 Bedrock – Pre-Injection Conditions through December 2018
Figure 16	Ethene Concentration Map, Zone 1 Bedrock – Pre-Injection Conditions through December 2018
Figure 17	Methylene Chloride Concentration Map, Zone 1 Bedrock – Pre-Injection Conditions through December 2018

List of Appendices

Appendix A	NYSDEC Correspondence
Appendix B	Well Inspection Forms
Appendix C	Field Sampling Data Sheets
Appendix D	Chain-of-Custody Forms
Appendix E	Off-Site System Performance Review – April 2018
Appendix F	ALS Environmental, Inc. Analytical Report
Appendix G	Historical Sampling Results
Appendix H	Data Validation Checklist
Appendix I	Correspondence Regarding Residential Sub-Slab Depressurization System
Appendix J	Niagara County Sewer District Semiannual Reports
Appendix K	Graphs
Appendix L	Molar Graphs

List of Acronyms & Abbreviations

µg/L	micrograms per liter
ALS	ALS Environmental, Inc.
APTIM	Aptim Engineering New York, P.C.
DCE	dichloroethene
ft/ft	foot per foot
mg/L	milligrams per liter
NCSD	Niagara County Sewer District
NYSDEC	New York State Department of Environmental Conservation
ORP	oxidation-reduction potential
QA/QC	quality assurance/quality control
SCADA	Supervisory Control and Data Acquisition
SSDS	sub-slab depressurization system
TCE	trichloroethene
Textron	Textron Inc.
TOC	total organic carbon
TVOC	total volatile organic compound
UPS	uninterruptible power supply
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

1.0 Introduction

Aptim Engineering New York, P.C. (APTIM) has prepared this report to present the results of ongoing remedial and groundwater monitoring activities at the former Bell Aerospace Facility in Wheatfield, New York. This report discusses all activities conducted during the 12-month monitoring period from January 1, 2018 through December 31, 2018. This report 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 existing groundwater quality conditions, reviews annual system maintenance tasks, and presents any proposed changes to the current Groundwater Monitoring Plan and recommendations to optimize the operation of the Off-Site (based on 25 years of operation) and On-Site (based on 23 years of operation) groundwater remedial systems.

The Off-Site 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. The Off-Site System has been operating since March 1993. Extraction Well EW-1 was taken out of service in March 1993, based on the hydraulic response observed during startup of the remedial system. Extraction Well EW-6 was taken off line on April 11, 1996 in an attempt to reduce the constituent concentration 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 (just to the south of EW-6) to the north. Extraction Well EW-5 was taken off line 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 this 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 three extraction wells can continue to control the plume. The Off-Site System continues to operate in this configuration with the permission of the NYSDEC per the May 23, 2013 letter (Appendix A).

The On-Site System consists 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 delivers the extracted groundwater to the On-Site Treatment Plant. Construction of the system was initiated on September 20, 1993 and was substantially completed in late 1994. Startup of the system began in April 1995. Extraction Well DW-9 was taken off line on May 26, 1998 to focus remedial efforts on the southern property line of the facility near Wells EW-7 and EW-8. Extraction Well EW-13 was added to the system approximately midway between these wells and was activated on September 25, 1998 in order to form a better hydraulic barrier between

Wells EW-7 and EW-8. Operations of the On-Site Treatment System were suspended on October 30, 2017 for the implementation of the Bioremediation Program as discussed in Section 5.0. The treatment system remained dormant during the 2018 calendar year. Figure 1 presents a site layout showing the location of the extraction wells and the groundwater monitoring points.

2.0 *Field Sampling Activities*

2.1 *General*

APTIM personnel performed field sampling activities according to the procedures detailed in the Groundwater Monitoring Plan for the site. Semiannual groundwater monitoring was performed on April 18 and 19, 2018 and October 30 and 31, 2018 for the monitoring wells listed in Table 1 and shown on Figure 1. The following sections provide details of the field activities and procedures associated with the monitoring and gauging program.

2.2 *Hydraulic Monitoring*

Groundwater elevations were measured at each monitoring well using an electronic oil/water level 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 16 years. A summary of the water level measurements obtained during the April and October 2018 sampling events is presented in Table 2. The groundwater elevation data were used to construct the groundwater contour maps. The groundwater level elevations from the Zone 1 wells for both the On-Site and Off-Site areas are presented on Figures 2 and 3 for the April 2018 event and Figures 4 and 5 for the October 2018 event.

2.2.1 *Off-Site System Area*

The Off-Site System is located immediately downgradient of the site and the On-Site System. Groundwater elevation contour maps of the Zone 1 bedrock aquifer in the vicinity of the On-Site and Off-Site systems are presented on Figures 2 and 4. These maps show a consistent and significant overlap of the cones of depression and the contaminant plume in the Off-Site area, which is one of the design goals of the system, and continues to do so with the suspension of the On-Site System operations. The hydraulic response to 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 2 and 4, have remained consistent within the developed cone of depression, moving 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 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 the area immediately north of the Off-Site System during October 2018 was approximately 0.0084 foot per foot (ft/ft), as determined from water levels recorded in Wells 87-20(1) and EW-2 (Figure 4). This number is consistent with the horizontal gradient in this area over the past several years.

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 2018 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 2018 was approximately 1.60 feet per day based on the hydraulic gradient of 0.0084 ft/ft. The flow rates are comparable from year to year and consistent with historic site observations.

2.2.2 On-Site System Area

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 calendar year. Figures 3 and 5 show the Zone 1 semiannual groundwater contour maps from April and October 2018, respectively; they illustrate the constant and stable groundwater flow with the treatment system off line. The use of in situ remediation technology is anticipated to be a more effective method to reduce the overall volatile organic compound (VOC) concentrations.

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. In addition to the horizontal flow toward the Off-Site System, it is desired that upward gradients be observed between Zone 3 and Zone 1 and downward gradients be observed between the overburden aquifer and Zone 1. Based on data in Table 2, these gradients were observed at most well pairs (87-01, 87-04, 87-10, 87-13, 87-14, and 87-18) in April and all well pairs (87-01, 87-04, 87-10, 87-13, 87-14, 87-15, 87-17, and 87-18) in October. The exceptions were observed at 87-04 (downward from Zone 1 to 3), 87-15 (downward from Zone 1 to Zone 3, upward from overburden to Zone 1), and 87-17 (upward from overburden to Zone 1). A summary of the vertical hydraulic gradients between Zones 1 and 3 based on the past year's hydraulic monitoring data is included in Tables 3A (April 2018) and 3B (October 2018). A comparison of the two monitoring periods indicates that the gradients in April were consistently

reduced by 0.155 ± 0.045 ft/ft compared to the gradients in October. As noted, in two cases, this resulted in slightly downward gradients (i.e., wells pairs 87-04 and 87-15). However, during the week preceding the April gauging event, a total of 2.03 inches of precipitation was recorded adjacent to the site at the Niagara Falls International Airport. It is believed that the significant reduction in vertical gradients can be attributed to the abnormally high rainfall and that the desired gradients remain consistent and are maintained under normal circumstances, demonstrating effective containment of the plume.

The On-Site groundwater elevation contour map for the Zone 3 bedrock aquifer for October 2018 is included as Figure 6. Groundwater flow in the Zone 3 aquifer is primarily in a southeasterly direction, which is consistent with the observed flow direction.

2.3 Groundwater Sampling

2.3.1 General

One supplemental groundwater sampling event was completed proactively by Textron in April 2018 to assess the performance of the Off-Site System.

The annual groundwater quality monitoring event was completed on October 30 and 31, 2018. Table 1 lists the monitoring wells, sampling schedule, and analytical methods as required by Order on Consent, Index No. 932052-01-04.

Groundwater sampling was completed in support of the Bioremediation Program during January, February, March, June, September, and December of 2018.

APTIM personnel performed field sampling activities according to 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.

2.3.2 Monitoring and Extraction Well Sampling

Groundwater quality 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 18, 2018. This sampling event was performed to assess the ability of the three northernmost extraction wells to contain the prevailing southerly migration of impacted groundwater. Further discussion regarding the sampling results for this event and the October 2018 monitoring event is included in Section 3.2.

Representative samples were collected from all of the 20 monitoring wells and 12 extraction wells (EW-2, EW-3, EW-4, EW-5, EW-6, EW-7, EW-8, DW-9, DW-10, DW-11, DW-12, and EW-13) during the October 2018 monitoring event. The monitoring locations are shown on Figure 1.

The physical integrity of each location was visually inspected and noted prior to sampling. Each extraction well was inspected prior to entering to ensure that the vault 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 considered to be 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 B.

Water level and total depth measurements were recorded and the volume of standing water in each well was calculated. A minimum of three times the calculated volume was purged from each well or the well was purged until it was deemed “dry” using a submersible pump. All purge water was collected in 50-gallon drums for off-site disposal. The submersible pump in each operational extraction well was allowed to operate for at least 5 minutes prior to sample collection to obtain a representative aliquot of groundwater. The dedicated tubing attached to each well’s sampling port was purged for approximately 1 minute prior to collection. The offline Extraction Wells (DW-9, DW-10, DW-11, DW-12, EW-7, EW-8, and EW-13) currently have no pumps being rendered inactive as approved by the NYSDEC and were sampled using a dedicated bailer in the same manner as the monitoring wells. The offline Extraction Wells were not purged prior to sampling, per NYSDEC approval, due to the large purge volume that would be required to be manually removed.

Field groundwater quality parameters (i.e., pH, specific conductance, and temperature) were monitored during purging and prior to sampling. These and other field observations were recorded on field sampling forms. The field observations and measurements are summarized on Table 4; the Field Sampling Data Sheets are included as Appendix C.

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 ALS Environmental, Inc. (ALS) personnel for transport to their Rochester, New York, laboratory. The chain-of-custody forms are included as Appendix D. The samples were analyzed for VOCs using U.S. Environmental Protection Agency (USEPA) SW-846 Method 8260B.

2.4 Maintenance of Monitoring Points

2.4.1 Monitoring Wells Inspections

Monitoring wells are visually inspected and accessed semiannually during the routine hydraulic monitoring events. Annual well inspection checklists are completed for each sampled monitoring well. None of the monitoring wells required repairs or additional maintenance work during the 2018 calendar year.

2.4.2 Homeowner Communications Regarding Private Well Abandonment

In 1990, a survey of private wells was completed in the area of degraded 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 via U.S. Postal Service Return Receipt on August 16, 2018. Two letters were returned to sender, while the third letter was delivered but no form was returned to APTIM. Details of this effort were reported to Textron, the New York State Department of Health, and NYSDEC in a letter report dated September 24, 2018.

3.0 *Laboratory Analytical Methods and Results*

3.1 *Analytical Methods*

All groundwater samples were analyzed for VOCs via USEPA SW-846 Method 8260B.

3.2 *Analytical Results*

3.2.1 *Off-Site System Efficiency Sampling*

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 18, 2018. This sampling event was performed to assess the ability of the three northernmost extraction wells to contain the prevailing southerly migration of impacted groundwater. These wells continue to be successful in controlling groundwater migration.

The sample collected from Monitoring Well 93-03(1) had a carbon disulfide concentration of 1.3 micrograms per liter ($\mu\text{g/L}$), which is below the laboratory method detection limit and New York State Groundwater Quality Standard of 60 $\mu\text{g/L}$. Carbon disulfide is not a listed compound of concern for the site.

The primary contaminant of concern at the site has historically been cis-1,2-dichloroethene, which was not detected in the sample collected from Monitoring Well 93-03(1) during this sampling event and has not been detected above the laboratory method detection limit in the past 6 years.

The results of these sampling events were presented to the NYSDEC in a letter report dated May 24, 2018. This letter report has been included as Appendix E; field sheets from this event are included in Appendix C. The NYSDEC was in agreement with the recommendation that Extraction Well EW-5 remain off line in their response letter of October 5, 2018.

3.2.2 *Annual Groundwater Sampling*

The annual groundwater quality monitoring event was completed on October 2018. Table 1 specifies the number of monitoring points (both on site and off site), the analysis performed, and sampling schedule. Groundwater samples were collected from all 32 selected monitoring locations on October 30 through 31, 2018 and analyzed by ALS for VOCs using USEPA Method 8260. The complete laboratory analytical report from each sampling point, as well as the associated quality assurance/quality control (QA/QC) data, are included as Appendix F.

A comparison of these data with the October 2017 groundwater analytical results indicates that 18 sample locations showed a decrease in total VOC (TVOC) concentrations, 11 samples showed an increase in TVOC concentrations, and 3 locations reported no VOC detections. The changes in concentration are presented on a map in Figure 7. A summary of compounds analyzed for the

October 2018 monitoring event is included as Table 5, and historical analytical results for each monitoring point are included as Appendix G.

Total VOC concentrations have continued to decrease in most monitoring and extraction wells that have been sampled. TVOC concentrations were calculated by summing the concentrations of all detected compounds for a sample. For the On-Site area, there is an overall decreasing trend in TVOC concentrations since 1993 as illustrated by Figure 8 (the TVOC concentration versus time plot of analytical results from Monitoring Well 89-15(1)). This location showed an increase of 980 percent in TVOC concentrations between November 2017 and October 2018. Despite this increase, the concentration recorded in October 2018 is significantly below the historical trend, and the overall historic trend of groundwater quality concentrations in this monitoring well continues to decline.

The historic trend in TVOC concentrations for the area between the On-Site and Off-Site systems is shown on Figure 9 (TVOC concentration versus time plot of analytical results from Monitoring Well 87-20(1), located north of the Off-Site System). This location shows a 56 percent decrease in TVOC concentrations between November 2017 and October 2018. These results are within established historical trends and consistent with concentrations previously observed, and the overall historic trend of groundwater quality concentrations in this monitoring well continues to decline.

The TVOC concentration versus time plot of analytical results from Extraction Well EW-4 is included as Figure 10. This location shows a 48 percent increase in TVOC concentrations between November 2017 and October 2018. This location continues to demonstrate a significant decreasing trend since the termination of groundwater recovery from Extraction Well EW-5. When compared to the 2012 TVOC concentration (236 µg/L) prior to the shutdown of EW-5, there has been a 57 percent decrease in TVOCs in this location.

The approximate limit of the dissolved phase plume in the Zone 1 bedrock aquifer (defined as the 1 part per billion isochron line), based upon the groundwater quality monitoring data collected during the October 2018 annual monitoring event, is shown on Figure 11. The extent of the dissolved phase plume in Zone 1 remained stable in size and location between 2017 and 2018, demonstrating that the operation of Extraction Well EW-5 is not necessary for control of the plume. Additionally, the northern portion of the dissolved phase plume showed significant contraction in the area of the Bioremediation Program.

The extent of the dissolved phase “plume” in the shallow overburden monitoring wells (based upon the groundwater analytical results obtained from the October 2018 annual monitoring event) is shown on Figure 12. The extent of the plume/dissolved phase detections has been significantly

reduced in size and concentration since 1990 and continues to be limited primarily to the facility property.

3.3 QA/QC Samples

Two blind duplicate samples identified as BAT-DUP-1-181030 (Monitoring Well 87-20(1)) and BAT-DUP-2-181031 (former Extraction Well EW-8) were collected. Two matrix spike and matrix spike duplicate samples were also collected from Monitoring Well 87-17(1) and Extraction Well EW-4. Laboratory-supplied trip blanks accompanied all of the samples during transport. All method-specific QA/QC blanks and samples were analyzed for VOCs via USEPA SW-846 Method 8260B.

3.4 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 H.

4.0 *Summary of Off-Site and On-Site Extraction System Operations*

4.1 *Review of Off-Site and On-Site System Operations*

4.1.1 *Off-Site System*

There were no permanent operational changes made to the Off-Site System during the 2018 calendar year. A total of 13,044,045 gallons of groundwater were extracted by the Off-Site System during the 2018 calendar year; the volume of water discharged is measured by using the sum of the individual well totalizers. Average flow rates varied from a low of 14,447 gallons per day recorded in May 2018 to a high of 47,890 gallons per day recorded for February 2018. 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.

Extraction Well EW-5 was taken off line on September 5, 2013. As mentioned previously, the purpose of the removal of EW-5 was to attempt to induce the edge of the “plume” in a northern direction by turning off the southernmost extraction well, demonstrating that three extraction wells could maintain plume control in this area. While the extent of the plume remained stable, TVOC concentrations in Extraction Well EW-6 demonstrated a decrease between the November 2017 and October 2018 sampling events.

The Off-Site Extraction System experienced several downtime events in early 2018; these operational issues were primarily due to power failures at the location of the Supervisory Control and Data Acquisition (SCADA) unit. Following some power failures, APTIM was unable to remotely restart the system; therefore, a site visit was required to perform a manual restart. The SCADA unit’s uninterruptible power supply (UPS) back-up battery was failing and a battery was located for replacement. Before the battery replacement could be performed, the entire UPS unit received a power surge (presumed lightning strike) on May 15, 2018. The entire UPS unit was replaced on June 4, 2018 and the system was brought back online without incident.

4.1.2 *On-Site System*

The On-Site System remained dormant throughout 2018. In order to maintain the equipment and keep the treatment system in a state of readiness, a recirculation loop was installed. During 2018, the system was run in this loop monthly for 30 minutes to maintain system components.

4.1.3 *Repairs, Upgrades, and Enhancements to Systems*

During the course of operation in 2018, the backup battery unit for the Off-Site System failed and was replaced on June 4, 2018. APTIM personnel completed this repair in conjunction with scheduled operation and maintenance activities. These activities included the cleaning of the pumps, level sensors, and flow meters in the Off-Site System.

4.1.4 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. All written correspondence during the 2018 calendar year regarding the system operation have been included as Appendix I.

4.2 Discharge Monitoring

4.2.1 Off-Site System

As specified by Textron’s NCSD Industrial Discharge Permit (No. 19-07, effective January 31, 2019), 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 18 and 19 and October 29 and 30, 2018 indicate that Textron remains in compliance with the NCSD permit. Copies of the letter reports submitted to the NCSD are included as Appendix J. Due to a procedural error, Niagara County requested that a resampling event be completed in January 2019; the results of this resampling event indicate that Textron remains in compliance with the NCSD permit.

4.2.2 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.

4.2.3 Site Inspections

Mr. Ron Gwozdek with the Niagara County Department of Health performed a site visit on March 16, 2018 as part of his 2018 annual inspection. The results of Mr. Gwozdek’s inspection were received on April 9, 2018. The inspection report noted that Textron was in substantial compliance with its State Pollution Discharge Elimination System permit during the operational period.

Mr. Nelson Schnabel with the NYSDEC performed a site visit on November 26, 2018 to complete the bi-annual Hazardous Waste Compliance Inspection. Mr. Schnabel’s inspection report of December 4, 2018 stated that there were no violations observed.

4.3 *Evaluation*

4.3.1 *Chemical Data for Off-Site and On-Site Systems*

Forty-one groundwater monitoring events have been performed since the startup of the Off-Site System in 1993; the last 37 events have been completed under the combined Off-Site and On-Site Effectiveness Monitoring Program. The analytical results obtained during 2018 show decreases in VOC concentrations in 18 of the 32 sampled locations.

4.3.2 *Hydraulic Response*

4.3.2.1 *Off-Site System*

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 2018 hydraulic monitoring events are presented on Figures 2 and 4, respectively. These maps indicate a consistent and significant overlap of the cone of depression (and the contaminant plume) in the Off-Site area. Groundwater flow direction has remained relatively consistent (toward the operating extraction wells) indicating that the remedial system is controlling groundwater migration in this area.

4.3.2.2 *On-Site System*

Field data from the April 2018 hydraulic monitoring event (Table 2) indicate that the desired downward hydraulic gradient between the overburden and Zone 1 is present in six of the eight On-Site well pairs measured (well pairs 87-01, 87-04, 87-10, 87-13, 87-14, and 87-18). It should be noted that the groundwater elevation was unusually elevated due to high amounts of rainfall prior to the gauging event (April 18 and 19, 2018). The Niagara Falls International Airport, adjacent to the site, recorded a total of 2.03 inches of precipitation during the preceding week.

The field data obtained during the October event indicate that the desired downward gradient between the overburden and Zone 1 is again present in all of the eight On-Site well pairs measured (well pairs 87-01, 87-04, 87-10, 87-13, 87-14, 87-15, 87-17, and 87-18); this downward gradient was maintained with the treatment system off line.

The field data presented in Table 2 for April and October 2018 indicated that an upward hydraulic gradient is present between Zone 3 and Zone 1 in all of the well pairs measured (87-02, 87-04, 87-05, 87-13, 87-14, and 87-15), with the exception of 87-04 and 87-15 during the April 2018 event. As previously noted, this can be attributed to unusually high rainfall that preceded the event.

Tables 3A and 3B 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 gradients range from -0.02 foot to 0.26 foot (upward). Maintenance of this “upward gradient” shows effective containment of the plume within Zone 1.

4.4 *Routine Operational Corrective Measures*

Inspection of the On-Site treatment facility was conducted monthly between January 1 and December 31, 2018 by APTIM personnel.

The following hazardous waste shipments left the facility on March 12, June 18, and December 5, 2018:

- March 12 (Manifest No. 001793414 PSC) – four drums of purge water
- June 18 (Manifest No. 018361059 JJK) – two drums of purge water
- December 5 (Manifest No. 002045313 PSC) – four drums of purge water

5.0 *Bioremediation Pilot Study*

A bioremediation pilot program was initiated at the site during the last quarter of 2017. The purpose of this pilot program was to determine whether this technology would be effective in reducing dissolved VOC concentrations in the Zone 1 aquifer. The operation of the On-Site Groundwater Treatment System was suspended with the initiation of this pilot program.

5.1 *Bioremediation Sampling*

Groundwater samples were collected from the bioremediation monitoring well network in January, February, March, June, September, and December 2018. Groundwater samples were collected, stored on ice, and transported to ALS' laboratory in Rochester, New York, for the following analyses:

- VOCs via USEPA Method 8260B
- Total organic carbon (TOC) via USEPA Method 5310C
- Volatile fatty acids via USEPA Method 8015 (modified)
- Ethene via USEPA Method RSK 175
- Ethane via USEPA Method RSK 175
- Methane via USEPA Method RSK 175
- Carbon dioxide via USEPA Method SM 4500
- Ferrous iron via USEPA Method 3500 FE D
- Sulfate via USEPA SW-846 Method 9056A
- Chloride via USEPA SW-846 Method 9056A
- Nitrate via USEPA SW-846 Method 9056A

The results of these analyses are presented in Table 6. Copies of the laboratory analytical data packages from these sampling events have been included in the Bioremediation Program One Year Report – December 2018 (APTIM, February 2019).

Additionally, groundwater quality parameters (dissolved oxygen, oxidation-reduction potential [ORP], conductivity, temperature, and pH) were measured in the field during the purging process to aid in evaluating the geochemistry of the groundwater in the treatment area. Low flow sampling techniques were implemented during the September and December 2018 sampling events.

The field data are provided in Table 7 and presented as graphs in Appendix K. These data have been presented to the NYSDEC following each of the sampling events. The data have also been plotted to illustrate their trends throughout the duration of the Bioremediation Program.

5.2 Contaminant Concentrations

As trichloroethene (TCE) is reduced, the plume area is decreasing, as shown on Figure 13. The size and intensity of the plume within the treatment area has decreased since the initiation of the Bioremediation Program.

The December 2018 sampling event shows 18 of the 31 locations with decreases in total VOCs when compared to samples obtained in May/November 2017 prior to the injection. The decreases range from 10 percent (87-05(1)) to 98 percent (17-03(1)).

At Monitoring Well 87-02(1), TCE and cis-1,2-DCE have significantly reduced between November 2017 and December 2018. During this period, cis-1,2-DCE has reduced from 1,700 micrograms per liter ($\mu\text{g/L}$) to 190 $\mu\text{g/L}$, respectively. As TCE and cis-1,2-DCE have been biologically reduced, vinyl chloride has fluctuated while being reduced to the final daughter product ethene. At this well, an increase in ethene has been observed from 9.8 to 560 $\mu\text{g/L}$ between November 2017 and December 2018, indicating that complete reductive dechlorination is occurring. Figure 14 shows the site-wide changes in the cis-1,2-DCE within the treatment area through December 2018.

The same trends observed at 87-02(1) have also been observed at other wells, including 89-12(1). At Monitoring Well 89-12(1), cis-1,2-DCE was detected in May 2017 at 4,300 $\mu\text{g/L}$ and has been reduced to 61 $\mu\text{g/L}$ in December 2018. As cis-1,2-DCE has decreased, vinyl chloride initially increased and then decreased while ethene increased, as shown in Appendix K, Graph 18. The spatial distribution of these changes in the vinyl chloride concentrations can be seen in Figure 15.

At 13 of the 31 wells sampled in December 2018, increases in parent products have been observed when compared to samples collected prior to the injection event in May/November 2017; however, in each of these wells, the daughter products, including ethene have been observed. The presence of ethene indicates that reductive dechlorination is occurring in the groundwater. The spatial distribution of these changes in the ethene concentrations can be seen in Figure 16. For example, at Monitoring Well 87-08(1), the total VOCs have increased since 2017 (Appendix K, Graph 10). However, vinyl chloride and ethene levels indicate that reductive dechlorination is degrading the contaminants in the groundwater.

In December 2018, additional wells were sampled for VOCs as requested by the NYSDEC. The sampling of injection wells provides a snapshot of the groundwater associated with the specific well; however, it is not considered representative of site groundwater since the bioremediation amendments were added to the well. Presence of the amendments were still observed (visually and olfactory) in 13 of the sampled locations. In each of the sampled wells, there have been fluctuations in the concentrations of TCE, cis-1,2-DCE, and vinyl chloride. In most wells, decreases were observed in cis-1,2-DCE and vinyl chloride. At Monitoring/Injection Well 17-04(1), decreases

were observed in TCE from 170,000 to 83,000 µg/L, cis-1,2-DCE from 30,000 to 12,000 µg/L, and vinyl chloride from 1,400 to 510 µg/L between November 2017 and December 2018. In some wells, increases were also observed as shown in Table 8.

In the site groundwater, methylene chloride is also observed at elevated concentrations. This compound is also biologically degraded by anaerobic microorganisms. Since pre-injection levels in May and November 2017, the plume has retracted to the north as shown on Figure 17. During the first year of the Bioremediation Program, methylene chloride concentrations at the site have ranged from below the detection limit to 1,000 milligrams per liter (mg/L).

5.3 Contaminant Mass

To evaluate the conversion of VOC mass to daughter products, including ethene and ethane, concentrations were converted to moles and graphed (Appendix L). In some wells where the total mass has increased, the increase is due in part to methylene chloride and not the parent chlorinated ethenes. As TCE decreases and daughter products are created, the total VOC mass may stay the same; however, processes are occurring. At Monitoring Well 87-12(1), prior to the bioremediation treatment in November 2017, cis-1,2-DCE and vinyl chloride were the primary constituents of the contaminant mass. In December 2018, the total mass is near the same level; however, the mass consists of primarily vinyl chloride and ethene/ethane. At 87-02(1), the total mass has fluctuated throughout 2018; however, the mass has been converted from primarily TCE and cis-1,2-DCE to mostly vinyl chloride and ethene/ethane. The mass conversion to ethane and ethene provides evidence that the bioremediation treatment is reducing VOC mass in place of the groundwater treatment plant.

Also, to evaluate the mass being removed from the groundwater, the TCE and ethene plume areas were evaluated. During the first year of treatment, the TCE plume footprint has decreased as the ethene plume has increased. The TCE 100,000 µg/L isoconcentration area has decreased by 56.6 percent during the first year. The ethene 100 µg/L isoconcentration area expanded by 6,650 percent. These changes are quantified below and can be seen on Figures 13 and 16.

TCE			
Concentration (µg/L)	Pre-Injection Area (square feet)	December 2018 Area (square feet)	Percent Change
10	713,810	688,281	-3.6
100	191,132	162,818	-14.8
1,000	111,687	122,833	10.0
10,000	70,288	57,860	-17.7
100,000	12,325	5,352	-56.6

Ethene			
Concentration (µg/L)	Pre-Injection Area (square feet)	December 2018 Area (square feet)	Percent Change
1	867,942	1,252,702	44.3
10	658,814	1,005,239	52.6
100	10,230	690,348	6,650

During this period, it has been observed that the footprint of the higher concentrations of methylene chloride (100,000 and 10,000 µg/L isoconcentration areas) have increased as presented below:

Methylene Chloride			
Concentration (µg/L)	Pre-Injection Area (square feet)	December 2018 Area (square feet)	Percent Change
10	219,238	223,872	2.1
100	167,677	180,532	7.7
1,000	129,695	137,827	6.3
10,000	39,641	78,803	98.8
100,000	9,596	19,004	98.0

However, as can be seen from this table, the overall size (as indicated by the 10 µg/L isoconcentration line) has remained essentially constant and, as was noted in Section 5.2, the leading edge has retracted to the north. Methylene chloride has a higher solubility than the chlorinated ethene series and sorbed contaminant may have been released during injections. However, it would appear that methylene chloride is being degraded before it travels downgradient.

5.4 Geochemical Parameters

The reduction of the site contaminants is favorable in reduced groundwater conditions. During the first year of the Bioremediation Program, 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 vinyl chloride 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.

The bioremediation injection consisted of the carbon source 3D Microemulsion® Factory Emulsified, which can be evaluated by analyzing for TOC and volatile fatty acids. In December

2018, TOC levels ranged from 3.4 to 138 mg/L and were elevated above the background levels in most wells as shown on Appendix J, Graph 4. The TOC data suggest that a sufficient amount of TOC is present in the groundwater to enhance reductive dechlorination in most locations. However, it is noted that in the source area, the carbon source may be depleted in some wells and a supplemental injection may be required.

Dissolved oxygen levels decreased significantly in January and March 2018 after the bioremediation application to levels near or below 0.5 µg/L, which is favorable for reductive dechlorination (USEPA, 1998). Since June 2018, dissolved oxygen levels have fluctuated between 0.5 and 7 mg/L (Appendix K, Graph 1). The September and December sampling events were completed using low flow techniques.

ORP is also used to evaluate reducing conditions in groundwater. Reductive dechlorination requires ORP levels below 50 millivolts (mV) (USEPA, 1998). After the bioremediation application, ORP levels decreased as expected; during the most recent sampling event in December 2018, levels at most wells are below -100 millivolts as show on in Appendix K, Graph 3.

After oxygen, iron is the next respiratory substrate used by microbes and during this process, iron is reduce 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 (Appendix K, Graph 6).

Sulfate levels at the site have fluctuated during the first year of the bioremediation treatment. The continued fluctuations indicate that while sulfate is being reduced, elevated natural concentrations are also influencing the treatment area groundwater.

The pH levels in all of the wells has remained within an optimal range for microbial activity as shown on Graph 2 in Appendix K.

The results of this program have been presented in detail in the Bioremediation Program One Year Report (APTIM, February 2019).

6.0 *Summary and Recommendations*

6.1 *Hydraulic Monitoring Data*

Water level measurements were obtained from all of the monitoring wells and extraction wells in April 2018 and October 2018; measurements are summarized in Table 2. A review of these data indicates that the Off-Site groundwater recovery system is performing as designed and continues to exhibit control over the migration of impacted groundwater.

Extraction Well EW-5 remains off line with the permission of the NYSDEC as discussed earlier. Existing gauging and analytical data indicate that the reconfigured extraction system (EW-2, EW-3, and EW-4) is capable of maintaining control of the plume in this area as shown on Figure 4.

6.2 *Laboratory Data*

APTIM personnel reviewed the 2018 groundwater monitoring data by comparing the detected analyte concentrations with available historical data. The results of the October 2018 monitoring event show similar variances in analyte concentrations detected during previous sampling events at the site for both monitoring and extraction wells. Eighteen of the 32 sampled locations showed decreases in TVOC concentrations between the November 2017 and October 2018 sampling events.

6.3 *Off-Site and On-Site System Performance*

The Off-Site System has maintained 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 2018. 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 off line.

6.4 *Bioremediation Pilot Study*

Follow-up groundwater monitoring for the Bioremediation Program will be continued into 2019 with sampling events scheduled for March and September as detailed in the Bioremediation Program One-Year Report – December 2018 (APTIM, February 2019). These data provide evidence that the amendments continue to enhance the biological processes decreasing VOCs. The monitoring in 2019 will aid in determining the “lifespan” of the bioremediation amendments in

the Zone 1 aquifer. These data will also be utilized to determine when the most advantageous interval and which locations may be used for a focused follow-up treatment plan. Typically, follow-up treatments (if required) are conducted years 3 to 5 after the initial injection, based upon the aquifer response.

A summary of the data collected in March 2019 will be presented to the NYSDEC. A report detailing all analytical results and recommendations for the program will be submitted to the NYSDEC at the completion of 2019 monitoring.

6.5 *Recommendations for Future Groundwater Monitoring and System Operations*

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 off line on September 5, 2013; data obtained on a semiannual basis since this shutdown indicate that this configuration has been successful in inducing the edge of the dissolved phase "plume" in a northerly direction. Additionally, since the shutdown of EW-5, no VOCs of concern have been reported above the laboratory method detection limit in Monitoring Well 93-03(1); therefore, Textron proposes to continue monitoring the Off-Site System efficiency on an annual basis.

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 throughout 2018. It is recommended that the On-Site Groundwater Treatment System remain dormant to allow the Bioremediation Program to progress.

7.0 *References*

Aptim Engineering New York, P.C., February 2019. “Bioremediation Program One Year Report – December 2018,” Former Textron Inc., Wheatfield, New York, Facility.

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

Shaw Environmental, Inc., April 2012. “Groundwater Monitoring Plan, Former Textron Inc., Wheatfield, New York Facility.”

Shaw Environmental, Inc., April 2012. “Quality Assurance Project Plan, Former Textron Inc., Wheatfield, New York Facility.”

Table 1
Groundwater Monitoring Points - 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			
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
89-14(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	13	9	
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	32	23	

(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
Hydraulic Monitoring Data
2018 Annual Summary
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Well Name	Top of Riser Elevation (ft MSL)	April 18-19, 2018		October 30-31, 2018	
		Water Level (ft BTOR)	Water Level Elevation (ft MSL)	Water Level (ft BTOR)	Water Level Elevation (ft MSL)
87-01(0)	588.10	11.59	576.51	15.32	572.78
87-01(1)	587.99	12.95	575.04	17.97	570.02
87-02(1)	589.21	11.05	578.16	15.48	573.73
87-02(3)	588.63	10.43	578.20	13.49	575.14
87-04(0)	589.32	6.30	583.02	9.48	579.84
87-04(1)	589.08	9.42	579.66	13.67	575.41
87-04(3)	589.49	10.04	579.45	12.86	576.63
87-05(1)	589.37	9.44	579.93	13.85	575.52
87-05(3)	589.46	9.41	580.05	12.75	576.71
87-08(1)	589.48	9.17	580.31	13.55	575.93
87-10(0)	587.30	8.35	578.95	13.11	574.19
87-10(1)	587.52	11.81	575.71	16.61	570.91
87-12(1)	583.84	11.79	572.05	16.97	566.87
87-13(0)	589.77	5.61	584.16	8.38	581.39
87-13(1)	590.06	10.25	579.81	14.49	575.57
87-13(3)	589.91	9.77	580.14	12.89	577.02
87-14(0)	589.56	5.14	584.42	10.00	579.56
87-14(1)	589.06	9.16	579.90	13.50	575.56
87-14(3)	590.35	9.53	580.82	12.95	577.40
87-15(0)	590.70	9.70	581.00	12.17	578.53
87-15(1)	590.27	9.13	581.14	13.26	577.01
87-15(3)	589.87	8.88	580.99	12.20	577.67
87-16(3B)	590.51	9.92	580.59	13.17	577.34
87-17(0)	589.50	9.79	579.71	11.67	577.83
87-17(1)	589.62	8.93	580.69	12.24	577.38
87-18(0)	585.95	11.30	574.65	9.76	576.19
87-18(1)	586.02	14.15	571.87	19.18	566.84
87-19(1)	581.47	11.53	569.94	13.85	567.62
87-20(0)	578.77	3.65	575.12	4.90	573.87
87-20(1)	579.01	6.94	572.07	12.12	566.89
87-21(1)	577.33	5.83	571.50	10.70	566.63
87-22(1)	583.97	12.23	571.74	17.34	566.63

See notes at end of table.

Table 2
Hydraulic Monitoring Data
2018 Annual Summary
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Well Name	Top of Riser Elevation (ft MSL)	April 18-19, 2018		October 30-31, 2018	
		Water Level (ft BTOR)	Water Level Elevation (ft MSL)	Water Level (ft BTOR)	Water Level Elevation (ft MSL)
89-04(1)	575.17	2.35	572.82	6.72	568.45
89-12(1)	586.62	11.30	575.32	16.04	570.58
89-14(0)	587.51	5.38	582.13	10.46	577.05
89-14(1)	587.59	9.20	578.39	13.93	573.66
89-15(1)	588.76	9.91	578.85	14.15	574.61
93-03(1)	572.30	6.41	565.89	11.23	561.07
96-01(1)	585.18	12.40	572.78	17.65	567.53
B-8(0)	590.26	6.19	584.07	8.59	581.67
B-14(1)	589.54	10.51	579.03	15.04	574.50
EW-2	568.15	5.38	562.77	9.20	558.95
EW-3	569.56	5.14	564.42	18.90	550.66
EW-4	570.07	26.99	543.08	24.10	545.97
EW-5	569.47	4.87	564.60	10.08	559.39
EW-6	568.17	5.31	562.86	9.88	558.29
EW-7 (**)	580.96	8.71	572.25	13.57	567.39
EW-8 (**)	578.44	4.86	573.58	9.72	568.72
DW-9 (**)	581.30	0.61	580.69	3.96	577.34
DW-10 (**)	583.95	4.12	579.83	8.49	575.46
DW-11 (**)	583.05	2.45	580.60	7.30	575.75
DW-12 (**)	580.48	0.47	580.01	6.64	573.84
EW-13	579.84	10.59	569.25	15.74	564.10

Notes:

BTOR = Below top of riser (or measuring point).
 MSL = Mean sea level.
 (**) Water level elevation measured from top of vault grate.
 DRY = No measurable quantity in well at time of measurement.
 NG = Not gauged.
 NA = Data not available.

Table 3A
Summary of Vertical Hydraulic Gradients
April 2018 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)	Verticle Gradient (dH/dL)
87-02(1)	589.21	11.05	April 18, 2018	578.16	0.04	7.00	0.01
87-02(3)	588.63	10.43		578.20			
87-04(1)	589.08	9.42	April 18, 2018	579.66	-0.21	7.00	-0.03
87-04(3)	589.49	10.04		579.45			
87-05(1)	589.37	9.44	April 18, 2018	579.93	0.12	7.00	0.02
87-05(3)	589.46	9.41		580.05			
87-13(1)	590.06	10.25	April 18, 2018	579.81	0.33	7.00	0.05
87-13(3)	589.91	9.77		580.14			
87-14(1)	589.06	9.16	April 18, 2018	579.90	0.92	7.00	0.13
87-14(3)	590.35	9.53		580.82			
87-15(1)	590.27	9.13	April 18, 2018	581.14	-0.15	7.00	-0.02
87-15(3)	589.87	8.88		580.99			

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 3B
Summary of Vertical Hydraulic Gradients
October 2018 Hydraulic Monitoring Event
Former Bell AerospaceTextron 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)	Verticle Gradient (dH/dL)
87-02(1)	589.21	15.48	October 30, 2018	573.73	1.41	7.00	0.20
87-02(3)	588.63	13.49		575.14			
87-04(1)	589.08	13.67	October 30, 2018	575.41	1.22	7.00	0.17
87-04(3)	589.49	12.86		576.63			
87-05(1)	589.37	13.85	October 30, 2018	575.52	1.19	7.00	0.17
87-05(3)	589.46	12.75		576.71			
87-13(1)	590.06	14.49	October 30, 2018	575.57	1.45	7.00	0.21
87-13(3)	589.91	12.89		577.02			
87-14(1)	589.06	13.50	October 30, 2018	575.56	1.84	7.00	0.26
87-14(3)	590.35	12.95		577.40			
87-15(1)	590.27	13.26	October 30, 2018	577.01	0.66	7.00	0.09
87-15(3)	589.87	12.20		577.67			

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

Table 4
Summary of Field Sampling Measurements and Observations
October 2018 Annual Monitoring Event
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Sample ID	Sample Location	Date Sampled	Depth to Groundwater (BTOR)	Volume Purged (gallons)	pH Measurements		Specific Conductance Measurements (ms/cm)		Temperature (°C)		Purge and Sample Device		Remarks
					Purge	Sample	Purge	Sample	Purge	Sample	Purge	Sample	
BAT-87-01(1)-181030	87-01(1)	10/30/2018	17.97	8	7.56	7.25	1.426	1.570	15.81	15.41	4	4	Clear
BAT-87-02(1)-181030	87-02(1)	10/30/2018	15.48	9	6.97	7.12	0.861	1.108	15.11	14.56	4	4	Clear, very slightly gray
BAT-87-02(3)-181030	87-02(3)	10/30/2018	13.49	14	8.24	8.48	3.027	3.264	15.29	14.01	1	1	Clear
BAT-87-08(1)-181031	87-08(1)	10/31/2018	13.55	9	7.33	7.22	0.886	0.893	12.64	12.22	4	4	Dark gray
BAT-87-10(0)-181031	87-10(0)	10/31/2018	13.11	4.5	7.34	7.27	1.003	0.935	16.49	16.77	1	1	Reddish brown
BAT-87-13(3)-181031	87-13(3)	10/31/2018	12.89	20	7.40	7.08	1.769	1.732	15.03	12.84	1	1	Clear
BAT-87-14(0)-181031	87-14(0)	10/31/2018	10.00	3	7.43	7.29	0.937	0.950	13.46	13.20	4	4	Turbid light brown, poor recharge
BAT-87-17(1)-181031	87-17(1)	10/31/2018	12.24	10	7.14	7.05	1.793	1.817	14.81	3.88	4	4	Clear; MS/MSD
BAT-87-19(1)-181030	87-19(1)	10/30/2018	13.85	10	7.60	7.06	1.372	1.826	13.51	13.07	4	4	Slightly reddish brown
BAT-87-20(0)-181030	87-20(0)	10/30/2018	4.90	3	7.23	8.01	1.646	1.002	13.49	13.43	4	4	Clear; poor recharge
BAT-87-20(1)-181030	87-20(1)	10/30/2018	12.12	9	7.48	6.50	0.779	1.490	15.53	14.76	4	4	Clear; BAT-DUP 1-181030
BAT-87-21(1)-181030	87-21(1)	10/30/2018	10.70	14	7.68	7.37	0.666	0.887	14.69	14.42	4	4	Clear
BAT-87-22(1)-181030	87-22(1)	10/30/2018	17.34	8	7.22	6.94	1.412	1.909	11.74	11.30	4	4	Clear
BAT-89-04(1)-181030	89-04(1)	10/30/2018	6.72	10	7.17	6.88	0.848	2.153	13.46	11.77	4	4	Grayish, H ₂ S odor
BAT-89-14(0)-181030	89-14(0)	10/30/2018	10.46	1.2	6.83	6.86	3.650	3.755	13.94	14.00	1	1	Reddish brown
BAT-89-14(1)-181030	89-14(1)	10/30/2018	13.93	9	7.37	7.03	1.196	1.694	13.32	12.61	4	4	Clear
BAT-89-15(1)-181031	89-15(1)	10/31/2018	14.15	10	7.15	7.02	1.005	1.226	15.44	14.80	4	4	Grayish
BAT-93-03(1)-181030	93-03(1)	10/30/2018	11.23	15	7.09	6.95	1.949	1.913	11.98	10.87	4	4	Clear
BAT-B-8(0)-181031	B-8(0)	10/31/2018	8.59	2.5	7.75	7.74	0.481	0.464	13.04	13.10	1	1	Light brown, slightly turbid
BAT-B-14(1)-181030	B-14(1)	10/30/2018	15.04	2.25	7.32	7.10	1.877	1.778	13.57	13.31	1	1	Clear

See notes at end of table.

Table 4
Summary of Field Sampling Measurements and Observations
October 2018 Annual Monitoring Event
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Sample ID	Sample Location	Date Sampled	Depth to Groundwater (BTOR)	Volume Purged (gallons)	pH Measurements		Specific Conductance Measurements (ms)		Temperature (°C)		Purge and Sample Device		Remarks
					Purge	Sample	Purge	Sample	Purge	Sample	Purge	Sample	
BAT-DW-9-181031	DW-9	10/31/2018	3.96	4	7.80	7.71	0.441	0.441	13.59	13.61	4	4	Clear
BAT-DW-10-181031	DW-10	10/31/2018	8.49	4	-	-	-	-	-	-	4	4	injectate visible on water surface
BAT-DW-11-181031	DW-11	10/31/2018	7.30	6	7.61	7.67	1.167	1.352	16.23	16.20	4	4	Clear
BAT-DW-12-181031	DW-12	10/31/2018	6.64	3	8.03	8.14	0.655	0.656	16.63	16.74	4	4	Slightly yellow tint
BAT-EW-2-181030	EW-2	10/30/2018	9.20	5	7.42	7.25	1.011	1.012	12.08	12.20	2	2	Clear
BAT-EW-3-181030	EW-3	10/30/2018	18.90	5	7.10	6.95	1.672	1.775	11.66	11.59	2	2	Clear
BAT-EW-4-181030	EW-4	10/30/2018	24.10	3	7.21	7.02	1.364	1.384	12.32	12.27	2	2	Clear; MS/MSD
BAT-EW-5-181030	EW-5	10/30/2018	10.08	1.5	7.01	NA	1.526	NA	10.91	NA	2	2	Clear
BAT-EW-6-181030	EW-6	10/30/2018	9.88	2	7.71	7.55	1.934	1.827	12.15	10.98	4	4	Clear
BAT-EW-7-181031	EW-7	10/31/2018	13.57	4	7.81	7.83	0.511	0.510	16.31	16.28	4	4	Clear
BAT-EW-8-181031	EW-8	10/31/2018	9.72	3	7.36	7.19	0.981	1.077	15.73	15.72	4	4	Clear; BAT-DUP 2-181031 collected
BAT-EW-13-181031	EW-13	10/31/2018	15.74	3	7.27	7.03	1.578	1.482	15.31	15.27	4	4	Clear

Notes:

BTOR - Below top of riser.

pH recorded in standard units.

ms/cm - Microsiemens per centimeter.

'-' = Data not collected.

NA = Not applicable.

(1) - Stainless steel bailer.

(2) - Dedicated polyethylene tubing from sample port.

(3) - Whale pump with ET tubing.

(4) - Dedicated polyethylene bailer.

(5) - Grundfos submersible pump.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-01(1)	87-02(1)	87-02(3)	87-08(1)
SAMPLE I.D.		BAT-87-01(1)-181030	BAT-87-02(1)-181030	BAT-87-02(3)-181030	BAT-87-08(1)-181031
SAMPLE DATE		10/30/2018	10/30/2018	10/30/2018	10/31/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	1.0 U	1.0 U	1.0 U	10 U
Vinyl chloride	2	160	35	1.0 U	810
Chloroethane	5*	1.0 U	1.0 U	1.0 U	10 U
Bromomethane	5*	1.0 U	1.0 U	1.0 U	10 U
1,1-Dichloroethene	5*	0.73 J	0.31 J	1.0 U	6.2 J
Acetone	50	5.0 U	5.0 U	2.5 J	50 U
Carbon disulfide	60	12	1.1	3.4	61
Methylene chloride	5*	1.0 U	21	1.0 U	290
trans-1,2-Dichloroethene	5*	7.3	0.93 J	1.0 U	8.8 J
1,1-Dichloroethane	5*	13	6.5	1.0 U	24
cis-1,2-Dichloroethene	5*	190	49	1.0 U	660
2-Butanone	50	5.0 U	5.0 U	5.0 U	50 U
Chloroform	7	1.0 U	1.0 U	1.0 U	10 U
1,1,1-Trichloroethane	5*	20	12	1.0 U	8.5 J
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	10 U
Benzene	1	1.0 U	1.0 U	1.0 U	10 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	10 U
Trichloroethene	5*	4.1	39	62	46
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	10 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	10 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	10 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	5.0 U	50 U
Toluene	5*	0.30 J	1.0 U	1.0 U	10 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	10 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	10 U
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U	10 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	50 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	10 U
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U	10 U
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U	10 U
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U	20 U
o-Xylene	5*	0.23 J	1.0 U	1.0 U	10 U
Styrene	5*	1.0 U	1.0 U	1.0 U	10 U
Bromoform	50	1.0 U	1.0 U	1.0 U	10 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U	10 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-10(0)	87-13(3)	87-14(0)	87-17(1)
SAMPLE I.D.		BAT-87-10(0)-181031	BAT-87-13(3)-181031	BAT-87-14(0)-181031	BAT-87-17(1)-181031
SAMPLE DATE		10/31/2018	10/31/2018	10/31/2018	10/31/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	1.0 U	500 U	1.0 U	2.0 U
Vinyl chloride	2	1.0 U	2800	1.0 U	260
Chloroethane	5*	1.0 U	500 U	1.0 U	2.0 U
Bromomethane	5*	1.0 U	500 U	1.0 U	2.0 U
1,1-Dichloroethene	5*	1.0 U	500 U	1.0 U	1.3 J
Acetone	50	5.0 U	2500 U	2.5 J	10 U
Carbon disulfide	60	1.0 U	340 J	1.0 U	0.85 J
Methylene chloride	5*	1.0 U	280 J	1.0 U	2.0 U
trans-1,2-Dichloroethene	5*	1.0 U	510	1.0 U	2.4
1,1-Dichloroethane	5*	1.3	500 U	1.0 U	20
cis-1,2-Dichloroethene	5*	6.0	46000	0.57 J	110
2-Butanone	50	5.0 U	2500 U	5.0 U	10 U
Chloroform	7	1.1	480 J	0.46 J	2.0 U
1,1,1-Trichloroethane	5*	0.44 J	500 U	1.0 U	72
Carbon tetrachloride	5	1.0 U	500 U	1.0 U	2.0 U
Benzene	1	1.0 U	500 U	1.0 U	2.0 U
1,2-Dichloroethane	0.6	1.0 U	500 U	1.0 U	2.0 U
Trichloroethene	5*	1.1	620	97	5.1 J
1,2-Dichloropropane	1	1.0 U	500 U	1.0 U	2.0 U
Bromodichloromethane	50	1.0 U	500 U	1.0 U	2.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	500 U	1.0 U	2.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	2500 U	5.0 U	10 U
Toluene	5*	1.0 U	500 U	0.21 J	2.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	500 U	1.0 U	2.0 U
1,1,2-Trichloroethane	1	1.0 U	500 U	1.0 U	2.0 U
Tetrachloroethene	5*	1.0 U	500 U	1.0 U	2.0 U
2-Hexanone	50	5.0 U	2500 U	5.0 U	10 U
Dibromochloromethane	50	1.0 U	500 U	1.0 U	2.0 U
Chlorobenzene	5*	1.0 U	500 U	1.0 U	2.0 U
Ethylbenzene	5*	1.0 U	500 U	1.0 U	2.0 U
m/p-Xylenes	5*	2.0 U	1000 U	2.0 U	4.0 U
o-Xylene	5*	1.0 U	500 U	1.0 U	2.0 U
Styrene	5*	1.0 U	500 U	1.0 U	2.0 U
Bromoform	50	1.0 U	500 U	1.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	500 U	1.0 U	2.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-17(1)		87-17(1)		87-19(1)	87-20(0)
SAMPLE I.D.		BAT-87-17(1)-181031MS		BAT-87-17(1)-181031MS		BAT-87-19(1)-181030	BAT-87-20(0)-181030
SAMPLE DATE		10/31/2018		10/31/2018		10/30/2018	10/30/2018
VOCs by USEPA Method 8260		Matrix Spike		Matrix Spike Duplicate			
		% Rec.	QC Lim	% Rec.	QC Lim		
Chloromethane	5*	110	55-160	108	55-160	1.0 U	1.0 U
Vinyl chloride	2	99	74-159	82	74-159	3.5	1.0 U
Chloroethane	5*	115	48-146	75	48-146	1.0 U	1.0 U
Bromomethane	5*	48	10-184	45	10-184	1.0 U	1.0 U
1,1-Dichloroethene	5*	104	71-118	99	71-118	1.0 U	1.0 U
Acetone	50	109	35-183	108	35-183	5.0 U	5.0 U
Carbon disulfide	60	116	59-140	116	59-140	1.6	0.79 J
Methylene chloride	5*	98	73-122	98	73-122	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	96	73-118	94	73-118	1.0 U	1.0 U
1,1-Dichloroethane	5*	121	74-132	116	74-132	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	101	77-127	94	77-127	5.3	1.0 U
2-Butanone	50	122	61-137	119	61-137	5.0 U	5.0 U
Chloroform	7	107	75-130	101	75-130	1.0 U	1.0 U
1,1,1-Trichloroethane	5*	113	74-127	105	74-127	1.0 U	1.0 U
Carbon tetrachloride	5	104	65-135	108	65-135	1.0 U	1.0 U
Benzene	1	105	76-129	104	76-129	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1036	68-130	109	68-130	1.0 U	1.0 U
Trichloroethene	5*	94	74-122	93	74-122	1.0 U	1.0 U
1,2-Dichloropropane	1	104	79-124	104	79-124	1.0 U	1.0 U
Bromodichloromethane	50	116	78-133	109	78-133	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	117	52-134	112	52-134	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	134	60-141	137	60-141	5.0 U	5.0 U
Toluene	5*	107	79-119	110	79-119	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	113	71-133	117	71-133	1.0 U	1.0 U
1,1,2-Trichloroethane	1	103	82-121	105	82-121	1.0 U	1.0 U
Tetrachloroethene	5*	104	72-125	97	72-125	1.0 U	1.0 U
2-Hexanone	50	129	56-132	120	56-132	5.0 U	5.0 U
Dibromochloromethane	50	99	72-128	101	72-128	1.0 U	1.0 U
Chlorobenzene	5*	94	76-125	94	76-125	1.0 U	1.0 U
Ethylbenzene	5*	103	72-134	101	72-134	1.0 U	1.0 U
m/p-Xylenes	5*	100	80-126	101	80-126	2.0 U	2.0 U
o-Xylene	5*	100	79-123	99	79-123	1.0 U	1.0 U
Styrene	5*	107	74-136	103	74-136	1.0 U	1.0 U
Bromoform	50	93	58-133	99	58-133	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	100	72-122	101	72-122	1.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-20(1)	87-20(1)	87-21(1)	87-22(1)
SAMPLE I.D.		BAT-DUP-1-181030	BAT-87-20(1)-181030	BAT-87-21(1)-181030	BAT-87-22(1)-181030
SAMPLE DATE		10/30/2018	10/30/2018	10/30/2018	10/30/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	10 U	10 U	1.0 U	20 U
Vinyl chloride	2	730	750	1.0 U	1700
Chloroethane	5*	10 U	10 U	1.0 U	20 U
Bromomethane	5*	10 U	10 U	1.0 U	20 U
1,1-Dichloroethene	5*	7.6 J	7.2 J	1.0 U	9.0 J
Acetone	50	50 U	50 U	5.0 U	100 U
Carbon disulfide	60	18	20	1.3	26
Methylene chloride	5*	10 U	10 U	1.0 U	20 U
trans-1,2-Dichloroethene	5*	7.7 J	7.4 J	0.34 J	17 J
1,1-Dichloroethane	5*	11	9.1	1.6	11 J
cis-1,2-Dichloroethene	5*	2300 D	2300 D	5.7	3300
2-Butanone	50	50 U	50 U	5.0 U	100 U
Chloroform	7	10 U	10 U	1.4	20 U
1,1,1-Trichloroethane	5*	14	13	1.7	20 U
Carbon tetrachloride	5	10 U	10 U	1.0 U	20 U
Benzene	1	10 U	10 U	1.0 U	20 U
1,2-Dichloroethane	0.6	10 U	10 U	1.0 U	20 U
Trichloroethene	5*	28	26	3.5	20 J
1,2-Dichloropropane	1	10 U	10 U	1.0 U	20 U
Bromodichloromethane	50	10 U	10 U	1.0 U	20 U
cis-1,3-Dichloropropene	0.4**	10 U	10 U	1.0 U	20 U
4-Methyl-2-pentanone	No Given Value	50 U	50 U	5.0 U	100 U
Toluene	5*	10 U	10 U	1.0 U	20 U
trans-1,3-Dichloropropene	0.4**	10 U	10 U	1.0 U	20 U
1,1,2-Trichloroethane	1	10 U	10 U	1.0 U	20 U
Tetrachloroethene	5*	10 U	10 U	1.0 U	20 U
2-Hexanone	50	50 U	50 U	5.0 U	100 U
Dibromochloromethane	50	10 U	10 U	1.0 U	20 U
Chlorobenzene	5*	10 U	10 U	1.0 U	20 U
Ethylbenzene	5*	10 U	10 U	1.0 U	20 U
m/p-Xylenes	5*	20 U	20 U	2.0 U	40 U
o-Xylene	5*	10 U	10 U	1.0 U	20 U
Styrene	5*	10 U	10 U	1.0 U	20 U
Bromoform	50	10 U	10 U	1.0 U	20 U
1,1,2,2-Tetrachloroethane	5*	10 U	10 U	1.0 U	20 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	89-04(1)	89-14(0)	89-14(1)	89-15(1)
SAMPLE I.D.		BAT-89-04(1)-181030	BAT-89-14(0)-181030	BAT-89-14(1)-181030	BAT-89-15(1)-181031
SAMPLE DATE		10/30/2018	10/30/2018	10/30/2018	10/31/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	1.0 U	1.0 U	0.30 J	1.0 U
Vinyl chloride	2	0.40 J	1.0 U	140	190 D
Chloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	0.49 J	1.0 U	0.41 J	1.8
Acetone	50	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	60	9.9	1.0 U	1.8	200
Methylene chloride	5*	1.0 U	1.0 U	1.0 U	380 D
trans-1,2-Dichloroethene	5*	0.41 J	1.0 U	1.3	4.2
1,1-Dichloroethane	5*	1.0 U	1.0 U	11	9.3
cis-1,2-Dichloroethene	5*	2.0	1.0 U	49	290 D
2-Butanone	50	5.0 U	5.0 U	5.0 U	2.8 J
Chloroform	7	1.0 U	1.0 U	1.0 U	1.9
1,1,1-Trichloroethane	5*	1.0 U	1.0 U	0.46 J	1.7
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	0.34 J
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	1.3	1.0 U	0.96 J	130
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5*	1.0 U	1.0 U	1.0 U	0.47 J
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	93-03(1)	B-8(0)	B-14(1)	DW-9
SAMPLE I.D.		BAT-93-03(1)-181030	BAT-B-8(0)-181031	BAT-B-14(1)-181030	BAT-DW-9-181031
SAMPLE DATE		10/30/2018	10/31/2018	10/30/2018	10/31/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	1.0 U	1.0 U	2.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	170	1.0 U
Chloroethane	5*	1.0 U	1.0 U	2.0 U	1.0 U
Bromomethane	5*	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5*	1.0 U	1.0 U	0.80 J	1.0 U
Acetone	50	5.0 U	3.1 J	10 U	1.0 U
Carbon disulfide	60	0.82 J	1.0 U	2.5	1.0 U
Methylene chloride	5*	1.0 U	1.0 U	2.0 U	1.0 U
trans-1,2-Dichloroethene	5*	1.0 U	1.0 U	1.8 J	1.0 U
1,1-Dichloroethane	5*	1.0 U	1.0 U	14	1.0 U
cis-1,2-Dichloroethene	5*	1.0 U	1.0 U	140	3.3
2-Butanone	50	5.0 U	5.0 U	10 U	5.0 U
Chloroform	7	1.0 U	1.0 U	2.0 U	1.2
1,1,1-Trichloroethane	5*	1.0 U	1.0 U	41	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	2.0 U	1.0 U
Benzene	1	1.0 U	1.0 U	2.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	2.0 U	1.0 U
Trichloroethene	5*	1.0 U	1.0 U	1.2 J	16
1,2-Dichloropropane	1	1.0 U	1.0 U	2.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	2.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	2.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	10 U	5.0 U
Toluene	5*	1.0 U	1.0 U	2.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	2.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	2.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	2.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U	10 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	2.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U	2.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U	2.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	4.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U	2.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U	2.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	2.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	2.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	DW-10	DW-11	DW-12	EW-2
SAMPLE I.D.		BAT-DW-10-181031	BAT-DW-11-181031	BAT-DW-12-181031	BAT-EW-2-11030
SAMPLE DATE		10/31/2018	10/31/2018	10/31/2018	10/30/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	2.5 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	6.2	0.53 J	1.0 U	170
Chloroethane	5*	2.5 U	1.0 U	1.0 U	1.0 U
Bromomethane	5*	2.5 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	0.73 J	1.0 U	1.0 U	0.28 J
Acetone	50	18	2.7 J	5.0 U	5.0 U
Carbon disulfide	60	2.5	1.0 U	1.0 U	1.0 U
Methylene chloride	5*	390	0.77 J	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	2.5 U	1.0 U	1.0 U	2.1
1,1-Dichloroethane	5*	2.5 U	1.0 U	1.0 U	4.1
cis-1,2-Dichloroethene	5*	15	11	0.72 J	55
2-Butanone	50	10 J	5.0 U	5.0 U	5.0 U
Chloroform	7	1.1 J	1.0 U	1.0 U	1.2
1,1,1-Trichloroethane	5*	2.5 U	0.31 J	1.0 U	3.9
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	32	35	1.4	5.1
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5*	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	EW-3	EW-4	EW-4		EW-4	
SAMPLE I.D.		BAT-EW-3-181030	BAT-EW-4-181030	BAT-EW-4-181030MS		BAT-EW-4-181030MSD	
SAMPLE DATE		10/30/2018	10/30/2018	10/30/2018		10/30/2018	
VOCs by USEPA Method 8260				Matrix Spike		Matrix Spike Duplicate	
				% Rec.	QC Lim	% Rec.	QC Lim
Chloromethane	5*	2.5 U	1.0 U	78	55-160	72	55-160
Vinyl chloride	2	650 D	63	98	74-159	87	74-159
Chloroethane	5*	2.5 U	1.0 U	90	48-146	76	48-146
Bromomethane	5*	2.5 U	1.0 U	56	10-184	55	10-184
1,1-Dichloroethene	5*	0.83 J	1.0 U	103	71-118	99	71-118
Acetone	50	13 U	5.0 U	91	35-183	83	35-183
Carbon disulfide	60	2.5	1.9	102	59-140	100	59-140
Methylene chloride	5*	2.5 U	1.0 U	101	73-122	95	73-122
trans-1,2-Dichloroethene	5*	5.2	1.7	99	73-118	95	73-118
1,1-Dichloroethane	5*	10	1.9	102	74-132	95	74-132
cis-1,2-Dichloroethene	5*	120	34	111	77-127	110	77-127
2-Butanone	50	13 U	5.0 U	98	61-137	88	61-137
Chloroform	7	2.5 U	1.0 U	103	75-130	100	75-130
1,1,1-Trichloroethane	5*	12	0.93 J	107	74-127	107	74-127
Carbon tetrachloride	5	2.5 U	1.0 U	108	65-135	109	65-135
Benzene	1	2.5 U	1.0 U	100	76-129	98	76-129
1,2-Dichloroethane	0.6	2.5 U	1.0 U	104	68-130	99	68-130
Trichloroethene	5*	4.0	0.72 J	98	74-122	95	74-122
1,2-Dichloropropane	1	2.5 U	1.0 U	102	79-124	98	79-124
Bromodichloromethane	50	2.5 U	1.0 U	100	78-133	104	78-133
cis-1,3-Dichloropropene	0.4**	2.5 U	1.0 U	103	52-134	102	52-134
4-Methyl-2-pentanone	No Given Value	13 U	5.0 U	98	60-141	91	60-141
Toluene	5*	2.5 U	1.0 U	102	79-119	99	79-119
trans-1,3-Dichloropropene	0.4**	2.5 U	1.0 U	100	71-133	98	71-133
1,1,2-Trichloroethane	1	2.5 U	1.0 U	101	82-121	96	82-121
Tetrachloroethene	5*	2.5 U	1.0 U	101	72-125	99	72-125
2-Hexanone	50	13 U	5.0 U	97	56-132	91	56-132
Dibromochloromethane	50	2.5 U	1.0 U	104	72-128	107	72-128
Chlorobenzene	5*	2.5 U	1.0 U	99	76-125	98	76-125
Ethylbenzene	5*	2.5 U	1.0 U	103	72-134	101	72-134
m/p-Xylenes	5*	5.0 U	2.0 U	101	80-126	101	80-126
o-Xylene	5*	2.5 U	1.0 U	106	79-123	102	79-123
Styrene	5*	2.5 U	1.0 U	99	74-136	99	74-136
Bromoform	50	2.5 U	1.0 U	103	58-133	104	58-133
1,1,2,2-Tetrachloroethane	5*	2.5 U	1.0 U	102	72-122	99	72-122

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	EW-5	EW-6	EW-7	EW-8
SAMPLE I.D.		BAT-EW-5-181030	BAT-EW-6-181030	BAT-EW-7-181031	BAT-EW-8-181031
SAMPLE DATE		10/30/2018	10/30/2018	10/31/2018	10/31/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	1.0 U	0.33 J	1.0 U	1.0 U
Vinyl chloride	2	72	1.0 U	1.0 U	27
Chloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	1.0 U	1.0 U	1.0 U	0.36 J
Acetone	50	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	60	1.1	0.47 J	1.0 U	1.0 U
Methylene chloride	5*	1.0 U	1.0 U	1.0 U	9.2
trans-1,2-Dichloroethene	5*	0.99 J	1.0 U	1.0 U	0.54 J
1,1-Dichloroethane	5*	2.0	0.55 J	1.0 U	2.2
cis-1,2-Dichloroethene	5*	19	2.1	1.0 U	80
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0
1,1,1-Trichloroethane	5*	1.1	0.39 J	1.0 U	2.1
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	0.62 J	0.42 J	1.0 U	3.1
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5*	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	EW-8	EW-13	TRIP BLANK 1	TRIP BLANK 2
SAMPLE I.D.		BAT-DUP-2-181031	BAT-EW-13-181031	Trip Blank	Trip Blank
SAMPLE DATE		10/31/2018	10/31/2018	10/31/2018	10/31/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	19	160	1.0 U	1.0 U
Chloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	1.0 U	0.50 J	1.0 U	1.0 U
Acetone	50	5.0 U	2.1 J	2.5 J	2.7 J
Carbon disulfide	60	0.34 J	0.41 J	1.0 U	1.0 U
Methylene chloride	5*	7.5	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	1.0 U	1.2	1.0 U	1.0 U
1,1-Dichloroethane	5*	1.9	8.1	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	60	56	1.0 U	1.0 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	7	1.0	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5*	1.8	18	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	2.7	1.3	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5*	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Bell Aerospace Textron Inc.
Wheatfield, New York
October 2018

Notes:

All concentrations reported in micrograms per liter ($\mu\text{g/L}$) or parts per billion (ppb).

* The principal organic contaminant standard for groundwater of 5 $\mu\text{g/L}$ (described elsewhere in this Table) applies to this substance.

** Applies to the sum of cis- and trans-1,3-dichloropropene, CAS Nos. 10061-01-5 and 10061-02-6, respectively.

U = Compound not detected at detection limit.

Bold = Compound detected at concentration.

J = Indicates an estimated value below detection limit.

D = Compound analyzed at secondary dilution.

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-01(1)									
Volatile Organic Compounds (µg/L)		10/19/16	5/23/17	11/13/17	1/23/18	2/27/18	3/20/18	6/19/18	9/18/18	10/30/18	12/11/18
Chloromethane	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Vinyl chloride	2	96	84	330	320	210	150	300 D	57	160	1,400
Chloroethane	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Bromomethane	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
1,1-Dichloroethene	5*	5.0 U	2.6	7.0	10 U	2.0 U	1.0 U	1.9	2.0 U	0.73 J	4.3 J
Acetone	50	7.5	10 U	6.5 J	50 U	16	7.1	5.0 U	10 U	5.0 U	50 U
Carbon disulfide	60	5.0 U	2.0 U	5.0 U	10 U	140	32	8.5	19	12	44
Methylene chloride	5*	5.0 U	2.0 U	16	16	96	29	6.3	2.0 U	1.0 U	10 U
trans-1,2-Dichloroethene	5*	6.3	6.8	6.4	5.2 J	4.8	6.4	4.9	7.7	7.3	13
1,1-Dichloroethane	5*	8.4	5.6	21	15	14	15	12	12	13	37
cis-1,2-Dichloroethene	5*	640	690 D	1,600 D	1,200	290	58	520 D	30	190	1,600
2-Butanone	50	25 U	2.0 U	25 U	50 U	6.8 J	3.8 J	5.0 U	10 U	5.0 U	50 U
Chloroform	7	2.1	1.1 J	5.0 U	10 U	0.52 J	1.0 U	0.34 J	2.0 U	1.0 U	10 U
1,1,1-Trichloroethane	5*	13	15	72	22	10	18	9.9	12	20	38
Carbon tetrachloride	5	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Benzene	1	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
1,2-Dichloroethane	0.6	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Trichloroethene	5*	120	110	54	23	9.3	3.7	98	4.2	4.1	20
1,2-Dichloropropane	1	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Bromodichloromethane	50	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
cis-1,3-Dichloropropene	0.4**	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
4-Methyl-2-pentanone	No Given Value	25 U	10 U	25 U	50 U	10 U	5.0 U	5.0 U	10 U	5.0 U	50 U
Toluene	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	0.22 J	0.24 J	2.0 U	0.30 J	10 U
trans-1,3-Dichloropropene	0.4**	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
1,1,2-Trichloroethane	1	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Tetrachloroethene	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
2-Hexanone	50	25 U	10 U	25 U	50 U	10 U	5.0 U	5.0 U	10 U	50 U	50 U
Dibromochloromethane	50	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Chlorobenzene	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Ethylbenzene	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
m/p-Xylenes	5*	10 U	4.0 U	10 U	20 U	4.0 U	2.0 U	2.0 U	4.0 U	2.0 U	20 U
o-Xylene	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	0.23 J	10 U
Styrene	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Bromoform	50	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Total VOCs (minus Carbon Disulfide)		893.3	915.1	2,112.9	1,601.2	657.42	291.22	953.58	122.9	395.66	3,112.3
Percent Change					-24%	-69%	-86%	-40%	-94%	-75%	47%
General Chemistry Parameters											
Iron, ferrous (mg/L)				0.51	0.40	0.14	0.10 U	0.24			
Chloride (mg/L)				142	406	780	584	266	188		292
Total organic carbon (mg/L)				3.2	111	65.7	32.4	4.5	4.1		4.3
Sulfate (mg/L)				875	205	18.8	176	360	286		627
Nitrate as N (mg/L)				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)				84	27	1.9	76	1,000	1,100 D		470
Ethane (µg/L)				1.8	1.1	1.0 U	1.0 U	10 U	10 U		10 U
Ethene (µg/L)				15	24	18	470 D	180	480		780
Carbon dioxide (mg/L)				308	554	532	606	542	383		402
Alkalinity, Total as CaCO3 (mg/L)				280	433	547	595	514	366		415
Bicarbonate Alkalinity as CaCO3 (mg/L)				280	433	547	595	514	366		415
Carbonate Alkalinity as CaCO3 (mg/L)				2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)											
Lactic acid				1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid				1.0 U	210	130	59	1.0 U	1.0 U		1.0 U
Propionic acid				1.0 U	16	3.0	1.0 U	1.0 U	1.0 U		1.0 U
Butyric acid				2.0 U	4.3	5.5	2.0 U	2.0 U	2.0 U		2.0 U
Pyruvic acid				0.50 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-02(1)								
Volatile Organic Compounds (µg/L)		10/20/16	11/13/17	1/24/18	2/27/18	3/20/18	6/19/18	9/18/18	10/30/18	12/11/18
Chloromethane	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Vinyl chloride	2	330	160	210	530	1,100	85	22	35	330
Chloroethane	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Bromomethane	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1,1-Dichloroethene	5*	50 U	5.0 U	25 U	6.5 J	20 U	1.0 U	1.0 U	0.31 J	2.5 U
Acetone	50	250 U	25 U	130 U	50 U	100 U	3.3 J	2.2 J	5.0 U	13 U
Carbon disulfide	60	50 U	5.0 U	25 U	21	28	19	2.1	1.1	9
Methylene chloride	5*	220	3,000 D	800	220	34	1.7	1.0 U	21	2.5 U
trans-1,2-Dichloroethene	5*	50 U	6	10 J	8.2 J	8.6 J	4.6	1.2	0.93 J	3.9
1,1-Dichloroethane	5*	26 J	15	19 J	19	29	12	6.4	6.5	12
cis-1,2-Dichloroethene	5*	5,100	1,700 D	3,400	2,800 D	2,100	50	14	49	190
2-Butanone	50	250 U	25 U	130 U	50 U	100 U	5.0 U	5.0 U	5.0 U	13 U
Chloroform	7	50 U	4.2 J	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1,1,1-Trichloroethane	5*	73	55	31	16	27	18	1.8	12	4.4
Carbon tetrachloride	5	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Benzene	1	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1,2-Dichloroethane	0.6	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Trichloroethene	5*	3,900	690	350	63	88	3.9	2.5	39	13
1,2-Dichloropropane	1	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Bromodichloromethane	50	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
cis-1,3-Dichloropropene	0.4**	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
4-Methyl-2-pentanone	No Given Value	250 U	25 U	130 U	50 U	100 U	5.0 U	5.0 U	5.0 U	13 U
Toluene	5*	50 U	5.0 U	25 U	10 U	20 U	0.22 J	1.0 U	1.0 U	2.5 U
trans-1,3-Dichloropropene	0.4**	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1,1,2-Trichloroethane	1	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Tetrachloroethene	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
2-Hexanone	50	250 U	25 U	130 U	50 U	100 U	5.0 U	5.0 U	5.0 U	13 U
Dibromochloromethane	50	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Chlorobenzene	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Ethylbenzene	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
m/p-Xylenes	5*	100 U	10 U	50 U	20 U	40 U	2.0 U	2.0 U	2.0 U	5.0 U
o-Xylene	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Styrene	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Bromoform	50	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1,1,2,2-Tetrachloroethane	5*	50 U	5.0 U	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Total VOCs (minus Carbon Disulfide)		9,649	5,630.2	4,820	3,662.7	3,386.6	178.72	50.1	163.74	553.3
Percent Change				-14%	-35%	-40%	-97%	-99%	-97%	-90%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.10 U	54.6	23.1	3.3	4.55			
Chloride (mg/L)			177	477	619	504	330	134		336
Total organic carbon (mg/L)			2.9	241	143	69	6.8	3.6		5.5
Sulfate (mg/L)			394	63.1	31.9	234	360	335		291
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			65	63	60	120	58	28		200
Ethane (µg/L)			1.0 U	1.8	1.2	5.2 U	5.2 U	2.1 U		2.1 U
Ethene (µg/L)			9.8	20	150	330	260	160		560 D
Carbon dioxide (mg/L)			298	764	648	703	417	285		371
Alkalinity, Total as CaCO3 (mg/L)			290	562	589	621	406	282		396
Bicarbonate Alkalinity as CaCO3 (mg/L)			290	562	589	621	406	282		396
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	2.5 U	2.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid			1.0 U	350	250	140	6.6	1.0 U		1.0 U
Propionic acid			1.0 U	71	32	1.0 U	1.0 U	1.0 U		1.0 U
Butyric acid			2.0 U	43	28	4.0	2.0 U	2.0 U		2.0 U
Pyruvic acid			0.50 U	1.3 U	1.0 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-08(1)								
Volatile Organic Compounds (µg/L)		10/20/16	11/14/17	1/24/18	2/28/18	3/21/18	6/20/18	9/20/18	10/31/18	12/13/18
Chloromethane	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Vinyl chloride	2	72	190	500	1,200	1,300	360	640 D	810	680
Chloroethane	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Bromomethane	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
1,1-Dichloroethene	5*	1.9	4.2	4.2 J	8.4 J	9.0 J	0.94 J	3.7	6.2 J	2.7 J
Acetone	50	5.0 U	4.5 J	9.3 J	50 U	50 U	6.3 J	11 J	50 U	25 U
Carbon disulfide	60	0.23	2.5 U	12	12	17	6.6	11	61	21
Methylene chloride	5*	1.0 U	2.5 U	14	190	110	2.5 U	1,100 D	290	5.0 U
trans-1,2-Dichloroethene	5*	1.6	3.4	3.9 J	9.0 J	9.7 J	3.8	6.6	8.8 J	7.3
1,1-Dichloroethane	5*	1.7	4.7	6.4	15	20	6.6	15	24	16
cis-1,2-Dichloroethene	5*	300 D	720 D	780	1,500	1,800	160	500	660	590
2-Butanone	50	5.0 U	13 U	25 U	50 U	50 U	13 U	4.0 J	50 U	25 U
Chloroform	7	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
1,1,1-Trichloroethane	5*	0.77 J	2.6	3.5 J	6.1 J	8.0 J	1.9 J	8.6	8.5 J	9.3
Carbon tetrachloride	5	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Benzene	1	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	0.53 J	10 U	5.0 U
1,2-Dichloroethane	0.6	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Trichloroethene	5*	3.5	7.0	39	37	32	6.1	700 D	46	12
1,2-Dichloropropane	1	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Bromodichloromethane	50	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	13 U	25 U	50 U	50 U	13 U	13 U	50 U	25 U
Toluene	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	0.95 J	10 U	5.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
1,1,2-Trichloroethane	1	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Tetrachloroethene	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
2-Hexanone	50	5.0 U	13 U	25 U	50 U	50 U	13 U	13 U	50 U	25 U
Dibromochloromethane	50	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Chlorobenzene	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Ethylbenzene	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
m/p-Xylenes	5*	2.0 U	5.0 U	10 U	20 U	20 U	5.0 U	5.0 U	20 U	10 U
o-Xylene	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Styrene	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Bromoform	50	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Total VOCs (minus Carbon Disulfide)		381.47	936.4	1,360.3	2,965.5	3,288.7	545.64	2,990.4	1,853.5	1,317.3
Percent Change				45%	217%	251%	-42%	219%	98%	41%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.26	0.10 U	0.16	0.10 U	0.14			
Chloride (mg/L)			23.2	13.5	16.1	21.4	22.5	56.2		21.9
Total organic carbon (mg/L)			3.6	50.5	45.8	47.1	4.1	3.4		3.9
Sulfate (mg/L)			348	122	96.1	75.3	305	255		135
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			23	15	15	36	69	250		630 D
Ethane (µg/L)			1.0 U	1.0 U	4.0 U	5.2 U	5.2 U	5.2 U		5.2 U
Ethene (µg/L)			20	69	130	170	380	640 D		610 D
Carbon dioxide (mg/L)			389	433	426	511	460	916		431
Alkalinity, Total as CaCO3 (mg/L)			389	431	476	545	455	416		455
Bicarbonate Alkalinity as CaCO3 (mg/L)			389	431	476	545	455	416		455
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid			1.0 U	96	94	98	1.0 U	1.0 U		1.0 U
Propionic acid			1.0 U	7.0	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Butyric acid			2.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-09(1)							
Volatile Organic Compounds (µg/L)		5/22/17	11/13/17	1/23/18	2/27/18	3/20/18	6/19/18	9/19/18	12/12/18
Chloromethane	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	190	210	200	190 D	170	150	200	170
Chloroethane	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	1.5 J	2.1	1.4 J	1.3	1.2 J	1.1	1.4	1.2
Acetone	50	4.1 J	10 U	2.5 J	5.0 U	10 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	60	2.0 U	0.61 J	2.2	1.1 B	2.0 U	1.4	1.4	1.8
Methylene chloride	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	1.4 J	2.1	1.6 J	1.7	1.3 J	1.4	1.7	1.7
1,1-Dichloroethane	5*	16	20	17	19	16	16	18	14
cis-1,2-Dichloroethene	5*	150	170	130	150	130	130	150	150
2-Butanone	50	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
Chloroform	7	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5*	85	110	79	88	83	81	72	58
Carbon tetrachloride	5	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	1.7 J	2.2	2.1	2.1	2.1	1.6	3.2	1.8
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
Toluene	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	4.0 U	4.0 U	4.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Styrene	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		449.7	516.4	433.6	262.1	403.6	381.1	447.7	398.5
Percent Change				-16%	-49%	-22%	-26%	-13%	-23%
General Chemistry Parameters									
Iron, ferrous (mg/L)			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Chloride (mg/L)			134	116	133	159	129	131	122
Total organic carbon (mg/L)			3.3	3.4	3.6	4.7	3.5	3.4	3.4
Sulfate (mg/L)			972	991	988	879	1,080	1,050	920
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methane (µg/L)			84	64	65	47	79	110 D	84
Ethane (µg/L)			1.4	1.6	1.6	1.0 U	1.6	1.8	1.6
Ethene (µg/L)			10	11	11	8	12	16	14
Carbon dioxide (mg/L)			307	281	267	275	316	387	609
Alkalinity, Total as CaCO3 (mg/L)			307	287	298	296	314	291	273
Bicarbonate Alkalinity as CaCO3 (mg/L)			307	287	298	296	314	291	273
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Volatile Fatty Acids (mg/L)									
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-12(1)							
Volatile Organic Compounds (µg/L)		5/23/17	11/14/17	1/24/18	2/27/18	3/20/18	6/19/18	9/18/18	12/11/18
Chloromethane	5*	10 U	5.2 J	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Vinyl chloride	2	1,700	2,300	1,400	1,200	2,200	1,100	180	1,500 D
Chloroethane	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Bromomethane	5*	10 U	6.2 J	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1,1-Dichloroethene	5*	7.2 J	20 U	10 U	10 U	20 U	5.2 J	2.0 U	4.0
Acetone	50	50 U	100 U	50 U	50 U	100 U	50 U	10 U	10 U
Carbon disulfide	60	10 U	20 U	31	12	23	21	4.3	10
Methylene chloride	5*	10 U	20 U	84	10 U	20 U	410	2.0 U	2.0 U
trans-1,2-Dichloroethene	5*	8.7 J	12 J	7.3 J	5.7 J	7.2 J	7.4 J	2.4	7.5
1,1-Dichloroethane	5*	19	29	24	14	25	27	13	27
cis-1,2-Dichloroethene	5*	2,200 D	3,000	970	700	1,300	1,200	54	1,100 D
2-Butanone	50	50 U	100 U	50 U	50 U	100 U	50 U	10 U	10 U
Chloroform	7	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1,1,1-Trichloroethane	5*	30	32	29	15	28	31	16	30
Carbon tetrachloride	5	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Benzene	1	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Trichloroethene	5*	14	18 J	17	13	33	76	5.6	32
1,2-Dichloropropane	1	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Bromodichloromethane	50	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4**	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
4-Methyl-2-pentanone	No Given Value	50 U	100 U	50 U	50 U	100 U	50 U	10 U	10 U
Toluene	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	0.54 J
trans-1,3-Dichloropropene	0.4**	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Tetrachloroethene	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
2-Hexanone	50	50 U	100 U	50 U	50 U	100 U	50 U	10 U	10 U
Dibromochloromethane	50	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Chlorobenzene	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Ethylbenzene	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
m/p-Xylenes	5*	20 U	40 U	20 U	20 U	40 U	20 U	4.0 U	0.46 J
o-Xylene	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	0.40 J
Styrene	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Bromoform	50	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Total VOCs (minus Carbon Disulfide)		3,978.9	5,402.4	2,531.3	1,947.7	3,593.2	2,856.6	271	2,701.5
Percent Chsnge				-53%	-64%	-33%	-47%	-95%	-50%
General Chemistry Parameters									
Iron, ferrous (mg/L)			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U		
Chloride (mg/L)			154	329	429	302	191	169	254
Total organic carbon (mg/L)			3.0	10.1	3.0	5.1	3.5	3.4	3.7
Sulfate (mg/L)			954	550	312	800	763	523	832
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methane (µg/L)			54	47	21	46	130	56	150
Ethane (µg/L)			4.2	3.6	1.0 U	5.2 U	5.2 U	5.2 U	5.2
Ethene (µg/L)			42	310	160	270	310	390	590 D
Carbon dioxide (mg/L)			276	479	192	349	415	385	242
Alkalinity, Total as CaCO3 (mg/L)			260	466	212	380	357	340	251
Bicarbonate Alkalinity as CaCO3 (mg/L)			260	466	212	380	357	340	251
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Volatile Fatty Acids (mg/L)									
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetic acid			1.0 U	13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-13(1)							
Volatile Organic Compounds (µg/L)		5/22/17	11/14/17	1/24/18	2/28/18	3/21/18	6/20/18	9/20/18	12/12/18
Chloromethane	5*	500 U	46 J	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Vinyl chloride	2	3,000	1,300	1,600	2,200 D	2,400	1,400	1,000 U	2,500
Chloroethane	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Bromomethane	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1,1-Dichloroethene	5*	500 U	120 J	210	1,000 U	1,000 U	1,000 U	1,000 U	530 J
Acetone	50	2,500 U	1,000 U	1,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
Carbon disulfide	60	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,100
Methylene chloride	5*	94,000 D	3,500	17,000	87,000 D	120,000	490,000 D	1,000,000	560,000 D
trans-1,2-Dichloroethene	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	330 J
1,1-Dichloroethane	5*	320 J	130 J	280	360 D,J	520 J	570 J	1,000 U	1,100
cis-1,2-Dichloroethene	5*	80,000	19,000	36,000	38,000 D	42,000	44,000	91,000	110,000
2-Butanone	50	2,500 U	1,000 U	1,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
Chloroform	7	1,200	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1,1,1-Trichloroethane	5*	1,100	1,100	3,300	1,600 D	2,000	1,700	1,000 U	2,000
Carbon tetrachloride	5	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Benzene	1	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1,2-Dichloroethane	0.6	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Trichloroethene	5*	40,000	17,000	120,000 D	65,000 D	84,000	88,000	170,000	140,000
1,2-Dichloropropane	1	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Bromodichloromethane	50	230	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
cis-1,3-Dichloropropene	0.4**	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
4-Methyl-2-pentanone	No Given Value	2,500 U	1,000 U	1,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
Toluene	5*	500 U	200 U	160 J	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
trans-1,3-Dichloropropene	0.4**	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1,1,2-Trichloroethane	1	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Tetrachloroethene	5*	500 U	200 U	310	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
2-Hexanone	50	2,500 U	1,000 U	1,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
Dibromochloromethane	50	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Chlorobenzene	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Ethylbenzene	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
m/p-Xylenes	5*	1,000 U	400 U	400 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U
o-Xylene	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Styrene	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Bromoform	50	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1,1,2,2-Tetrachloroethane	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Total VOCs (minus Carbon Disulfide)		219,850	42,196	58,860	194,160	250,920	135,670	1,261,000	816,460
Percent Change				39%	360%	495%	222%	2888%	1835%
General Chemistry Parameters									
Iron, ferrous (mg/L)			0.24	3.1	0.10 U	0.10 U	0.16		
Chloride (mg/L)			233	287	321	350	448	451	503
Total organic carbon (mg/L)			3.2	10.7	320	247	270	181	138
Sulfate (mg/L)			785	451	612	579	547	472	798
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methane (µg/L)			520 D	130	7.5	200	180	130	150
Ethane (µg/L)			3.9	6.3	140	7.4	8.9	6.2	5.7
Ethene (µg/L)			150 D	110	130	210	150	83	170
Carbon dioxide (mg/L)			351	1,220	853	1,010	1,560	5,280	6460
Alkalinity, Total as CaCO3 (mg/L)			340	922	941	935	1,000	1,000	794
Bicarbonate Alkalinity as CaCO3 (mg/L)			340	922	941	935	1,000	1,000	794
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Volatile Fatty Acids (mg/L)									
Lactic acid			1.0 U	20	8.2	7.9	11	10	3.7
Acetic acid			1.0 U	550	490	450	430	340	250
Propionic acid			1.0 U	78	57	45	24	17	15
Butyric acid			2.0 U	12	10 U	30	10 U	10 U	5.0 U
Pyruvic acid			0.50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-17(1)								
Volatile Organic Compounds (µg/L)		10/20/16	11/14/17	1/24/18	2/28/18	3/21/18	6/20/18	9/20/18	10/31/18	12/12/18
Chloromethane	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	2	150	280 D	320	340 D	290	220	290	260	260
Chloroethane	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethene	5*	0.91 J	1.5	1.4 J	1.3	2.5 U	1.2 J	1.8 J	1.3 J	1.2 J
Acetone	50	1.4 J	1.8 J	10 U	5.0 U	13 U	10 U	5.2 J	10 U	10 U
Carbon disulfide	60	1.5	1.4	1.4 J	1.2 B	2.5 U	2.0 U	2.4	0.85 J	1.6 J
Methylene chloride	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	12	2.0 U	2.0 U
trans-1,2-Dichloroethene	5*	2.5	2.2	2.3	2.2	1.8 J	2.0 J	2.0 J	2.4	2.0
1,1-Dichloroethane	5*	21	26	23	25	22	20	23	20	19
cis-1,2-Dichloroethene	5*	130	130	110	120	97	92	190	110	120
2-Butanone	50	5.0 U	5.0 U	10 U	5.0 U	13 U	10 U	10 U	10 U	10 U
Chloroform	7	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,1-Trichloroethane	5*	89	110	100	100	100	89	89	72	74
Carbon tetrachloride	5	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5*	18	2.7	2.7	3.2	2.3 J	2.1	140	51	1.9 J
1,2-Dichloropropane	1	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromodichloromethane	50	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	10 U	5.0 U	13 U	10 U	10 U	10 U	10 U
Toluene	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Hexanone	50	5.0 U	5.0 U	10 U	5.0 U	13 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethylbenzene	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	4.0 U	2.0 U	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U
o-Xylene	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Styrene	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs (minus Carbon Disulfide)		412.81	554.2	559.4	591.7	513.1	426.3	753	515.4	475
Percent Change				1%	7%	-8%	-23%	36%	-7%	-14%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.12	0.13	0.17	0.15	0.25			
Chloride (mg/L)			128	124	157	160	142	148		133
Total organic carbon (mg/L)			3.7	4.7	4.3	3.9	3.7	5.3		3.6
Sulfate (mg/L)			1,010	1,030	1,060	938	1,120	1,150		1,020
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			100	66	1.5	68	72	96		90
Ethane (µg/L)			1.3	1.2	12	1.2	1.2	1.5		1.4
Ethene (µg/L)			12	11	70	12	13	14		17
Carbon dioxide (mg/L)			305	300	258	268	286	591		268
Alkalinity, Total as CaCO3 (mg/L)			304	291	292	298	288	295		274
Bicarbonate Alkalinity as CaCO3 (mg/L)			304	291	292	298	288	295		274
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-20(1)								
Volatile Organic Compounds (µg/L)		10/19/16	11/14/17	1/23/18	2/27/18	3/20/18	6/19/18	9/19/18	10/30/18	12/11/18
Chloromethane	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Vinyl chloride	2	830	760	1,600	460	1,200	440	420	730	780
Chloroethane	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Bromomethane	5*	50 U	9.0 J	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1,1-Dichloroethene	5*	50 U	25 U	50 U	5.0 U	25 U	3.8 J	4.8 J	7.6 J	5.6 J
Acetone	50	250 U	130 U	250 U	25 U	130 U	50 U	50 U	50 U	100 U
Carbon disulfide	60	50 U	25 U	50 U	6.5	24 J	10 U	12	18	22
Methylene chloride	5*	50 U	25 U	50 U	5.0 U	20 J	10 U	10 U	10 U	20 U
trans-1,2-Dichloroethene	5*	50 U	17 J	50 U	3.0 J	25 U	4.3 J	3.7 J	7.7 J	6.6 J
1,1-Dichloroethane	5*	18 J	13 J	16 J	4.7 J	12 J	5.1 J	8.2 J	11	9.4 J
cis-1,2-Dichloroethene	5*	4,700	6,200 D	4,800	670	2,800	1,200	1,100	2,300 D	1,800
2-Butanone	50	250 U	130 U	250 U	25 U	130 U	50 U	50 U	50 U	100 U
Chloroform	7	18 J	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1,1,1-Trichloroethane	5*	22 J	26	21 J	4.7 J	14 J	6.4 J	7.1 J	14	11 J
Carbon tetrachloride	5	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Benzene	1	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1,2-Dichloroethane	0.6	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Trichloroethene	5*	19 J	34	39 J	13	47	24	18	28	20 J
1,2-Dichloropropane	1	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Bromodichloromethane	50	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
cis-1,3-Dichloropropene	0.4**	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
4-Methyl-2-pentanone	No Given Value	250 U	130 U	250 U	25 U	130 U	50 U	50 U	50 U	100 U
Toluene	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
trans-1,3-Dichloropropene	0.4**	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1,1,2-Trichloroethane	1	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Tetrachloroethene	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
2-Hexanone	50	250 U	130 U	250 U	25 U	130 U	50 U	50 U	50 U	100 U
Dibromochloromethane	50	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Chlorobenzene	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Ethylbenzene	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
m/p-Xylenes	5*	100 U	50 U	100 U	10 U	50 U	20 U	20 U	20 U	40 U
o-Xylene	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Styrene	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Bromoform	50	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1,1,2,2-Tetrachloroethane	5*	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Total VOCs (minus Carbon Disulfide)		5,607	7,059	6,476	1,155.4	4,093	1,683.6	1,561.8	3,098.3	2,632.6
Percent Change				-8%	-84%	-42%	-76%	-78%	-56%	-63%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.10 U	0.14	0.17	0.15	0.25			
Chloride (mg/L)			108	217	630	408	166	128		215
Total organic carbon (mg/L)			2.5	70.1	3.5	6.1	2.8	2.5		3.5
Sulfate (mg/L)			735	779	338	562	506	414		660
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			32	48	7.0	47	37	36		46
Ethane (µg/L)			2.2	2.4	1.0 U	1.7	1.6	1.0 U		2.1
Ethene (µg/L)			17	81	61	110 D	71	64		200 D
Carbon dioxide (mg/L)			201	394	197	320	274	244		210
Alkalinity, Total as CaCO3 (mg/L)			221	375	218	354	242	192		223
Bicarbonate Alkalinity as CaCO3 (mg/L)			221	375	218	354	242	192		223
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid			1.0 U	140	1.0 U	3.1	1.0 U	1.0 U		1.0 U
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	87-22(1)								
Volatile Organic Compounds (µg/L)		10/19/16	11/14/17	1/23/18	2/27/18	3/20/18	6/19/18	9/19/18	10/30/18	12/11/18
Chloromethane	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Vinyl chloride	2	430	430	1,100 D	780	1,100	1,100	1,900	1,700	1,300
Chloroethane	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Bromomethane	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	5*	4.9 J	5.0 U	25 U	4.7 J	20 U	20 U	11 J	9.0 J	7.6 J
Acetone	50	6.4 J	25 U	130 U	25 U	100 U	100 U	100 U	100 U	100 U
Carbon disulfide	60	5.0 U	5.0 U	25 U	1.6 B,J	20 U	20 U	25	26	20 J
Methylene chloride	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	5*	7.3	4.3 J	12 D,J	7.4	17 J	9.2 J	15 J	17 J	13 J
1,1-Dichloroethane	5*	5.4J+	4.6 J	9.3 D,J	7.2	9.9 J	7.8 J	11 J	11 J	9.0 J
cis-1,2-Dichloroethene	5*	1,200 D	820	2,700 D	1,800 D	2,500	2,100	3,200	3,300	2,500
2-Butanone	50	25 U	25 U	130 U	25 U	100 U	100 U	100 U	100 U	100 U
Chloroform	7	1.3 J	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	5*	5.0 U	5.0 U	25 U	2.2 J	20 U	20 U	20 U	20 U	20 U
Carbon tetrachloride	5	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Benzene	1	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethane	0.6	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Trichloroethene	5*	5.0 J	2.6 J	70 D	5.6	11 J	9.8 J	18 J	20 J	18 J
1,2-Dichloropropane	1	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Bromodichloromethane	50	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	0.4**	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
4-Methyl-2-pentanone	No Given Value	25 U	25 U	130 U	25 U	100 U	100 U	100 U	100 U	100 U
Toluene	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	0.4**	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	1	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Tetrachloroethene	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
2-Hexanone	50	25 U	25 U	130 U	25 U	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	50	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Chlorobenzene	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Ethylbenzene	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
m/p-Xylenes	5*	10 U	10 U	50 U	10 U	40 U	40 U	40 U	40 U	40 U
o-Xylene	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Styrene	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Bromoform	50	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Total VOCs (minus Carbon Disulfide)		1,660.3	1,261.5	3,891.3	2,607.1	3,637.9	3,226.8	5,155	5,057	3,847.6
Percent Change				208%	107%	188%	156%	309%	301%	205%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.10 U	0.10 U	0.10 U	0.10 U	0.11			
Chloride (mg/L)			97.5	119	92.4	145	124	118		143
Total organic carbon (mg/L)			4.9	4.9	4.0	6.0	4.9	4.2		3.7
Sulfate (mg/L)			940	1,230	1,050	981	1,090	1,130		1,070
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			79	190	110	170	200 D	230 D		210
Ethane (µg/L)			2.4	5.7	3.9	4.3	6.1	7.3		6.1
Ethene (µg/L)			19	190	42	51	87	170		140
Carbon dioxide (mg/L)			482	391	371	354	507	930		1,230
Alkalinity, Total as CaCO3 (mg/L)			428	378	407	392	423	366		326
Bicarbonate Alkalinity as CaCO3 (mg/L)			428	378	407	392	423	366		326
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		SB
Acetic acid			1.0 U	1.0 U	1.1	4.0	2.3	1.0 U		SB
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		SB
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		SB
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		SB

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	89-10(1)						
Volatile Organic Compounds (µg/L)		11/13/17	1/23/18	2/27/18	3/20/18	6/19/18	9/18/18	12/11/18
Chloromethane	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Vinyl chloride	2	100	360	230	400	160	450	480
Chloroethane	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Bromomethane	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	5*	5.1	20	50 U	50 U	50 U	20 J	33 J
Acetone	50	25 U	50 U	250 U	250 U	250 U	250 U	250 U
Carbon disulfide	60	1.3 J	63	45 J	210	26 J	160	360
Methylene chloride	5*	660	3,700 D	1,600	4,400	860	2,100	3,100
trans-1,2-Dichloroethene	5*	3.5 J	12	50 U	50 U	50 U	50 U	15 J
1,1-Dichloroethane	5*	5.9	29	50 U	18 J	13 J	35 J	57
cis-1,2-Dichloroethene	5*	1,400 D	4,300 D	1,200	1,900	1,500	3,600	5,000
2-Butanone	50	25 U	50 U	250 U	250 U	250 U	250 U	250 U
Chloroform	7	2.5 J	10 U	50 U	50 U	50 U	50 U	50 U
1,1,1-Trichloroethane	5*	9.4	85	23 J	31 J	44 J	80	120
Carbon tetrachloride	5	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Benzene	1	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethane	0.6	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Trichloroethene	5*	1,500 D	17,000 D	4,600	6,400	7,200	8,900	14,000 D
1,2-Dichloropropane	1	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Bromodichloromethane	50	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
cis-1,3-Dichloropropene	0.4**	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone	No Given Value	25 U	50 U	250 U	250 U	250 U	250 U	250 U
Toluene	5*	5.0 U	8.4 J	50 U	50 U	50 U	50 U	50 U
trans-1,3-Dichloropropene	0.4**	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
1,1,2-Trichloroethane	1	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Tetrachloroethene	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
2-Hexanone	50	25 U	50 U	250 U	250 U	250 U	250 U	250 U
Dibromochloromethane	50	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Ethylbenzene	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
m/p-Xylenes	5*	10 U	20 U	100 U	100 U	100 U	100 U	100 U
o-Xylene	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Styrene	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Bromoform	50	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Total VOCs (minus Carbon Disulfide)		3,686.4	25,514.4	7,653	13,149	9,777	15,185	22,805
Percent Change			592%	108%	257%	165%	312%	519%
General Chemistry Parameters								
Iron, ferrous (mg/L)		0.14	0.11	0.10 U	0.10 U	0.34		
Chloride (mg/L)		117	425	961	735	246	176	197
Total organic carbon (mg/L)		3.1	100	48.8	36.2	11.8	20.8	35.4
Sulfate (mg/L)		716	897	678	737	618	768	727
Nitrate as N (mg/L)		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methane (µg/L)		9.6	33	10	15	11	32	66
Ethane (µg/L)		2.7	2.1	4.0	5.4	1.7	3.0	6.3
Ethene (µg/L)		17	25	71	130 D	66	140 D	160
Carbon dioxide (mg/L)		244	504	364	421	365	631	748
Alkalinity, Total as CaCO3 (mg/L)		237	433	400	426	352	497	761
Bicarbonate Alkalinity as CaCO3 (mg/L)		237	433	400	426	352	497	761
Carbonate Alkalinity as CaCO3 (mg/L)		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Volatile Fatty Acids (mg/L)								
Lactic acid		1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Acetic acid		1.0 U	190	88	67	16	36	56
Propionic acid		1.0 U	5.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butyric acid		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pyruvic acid		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	89-12(1)							
Volatile Organic Compounds (µg/L)		5/23/17	11/13/17	1/23/18	2/27/18	3/20/18	6/19/18	9/18/18	12/11/18
Chloromethane	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Vinyl chloride	2	270	110	800	780	580	230	1,700 D	220
Chloroethane	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethene	5*	25 U	3.7 J	10 U	5.0 U	5.0 U	0.64 J	6.8	2.0 U
Acetone	50	36 J	8.7 J	10 U	9.9 J	25 U	10 U	10 U	10 U
Carbon disulfide	60	25 U	5.0 U	47	8.6	8.5	1.6	22	2.2
Methylene chloride	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	15	2.0 U
trans-1,2-Dichloroethene	5*	19 J	6.0	5.1 J	3.9 J	3.2 J	3.0	8.9	2.5
1,1-Dichloroethane	5*	9.0 J	6.3	21	15	14	11	42	12
cis-1,2-Dichloroethene	5*	4,300	1,300 D	1,900	880	420	180	2,400 D	61
2-Butanone	50	130	25 U	50 U	25 U	25 U	10 U	10 U	10 U
Chloroform	7	25 U	3.0 J	10 U	5.0 U	5.0 U	2.0 U	0.91 J	2.0 U
1,1,1-Trichloroethane	5*	22 J	13	17	17	21	18	39	17
Carbon tetrachloride	5	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Benzene	1	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5*	490	23	42	30	20	16	61	4.3
1,2-Dichloropropane	1	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Bromodichloromethane	50	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4**	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
4-Methyl-2-pentanone	No Given Value	130	25 U	50 U	25 U	25 U	10 U	10 U	10 U
Toluene	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	0.74 J	2.0 U
trans-1,3-Dichloropropene	0.4**	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
2-Hexanone	50	130	25 U	50 U	25 U	25 U	10 U	10 U	10 U
Dibromochloromethane	50	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Ethylbenzene	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5*	50 U	10 U	20 U	10 U	10 U	4.0 U	0.43 J	4.0 U
o-Xylene	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	0.47 J	2.0 U
Styrene	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Total VOCs (minus Carbon Disulfide)		5,536	1,473.7	2,785.1	1,735.8	1,058.2	458.64	4,274.35	316.8
Percent Change				89%	18%	-28%	-69%	190%	-79%
General Chemistry Parameters									
Iron, ferrous (mg/L)			0.10 U	0.17	0.11	0.14	0.90		
Chloride (mg/L)			112	319	531	504	207	155	205
Total organic carbon (mg/L)			3.4	35.6	4.7	6.8	3.9	3.6	3.4
Sulfate (mg/L)			617	734	822	972	872	848	910
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methane (µg/L)			11	30	31	30	42	400	38
Ethane (µg/L)			1.0 U	1.9	3.3	10 U	10 U	10 U	5.2 U
Ethene (µg/L)			5.7	140	330	370	480	600	390
Carbon dioxide (mg/L)			241	468	278	274	292	269	538
Alkalinity, Total as CaCO3 (mg/L)			234	466	308	298	286	258	234
Bicarbonate Alkalinity as CaCO3 (mg/L)			234	466	308	298	286	258	234
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Volatile Fatty Acids (mg/L)									
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetic acid			1.0 U	51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	89-15(1)								
Volatile Organic Compounds (µg/L)		10/20/16	11/14/17	1/24/18	2/28/18	3/21/18	6/20/18	9/19/18	10/31/18	12/12/18
Chloromethane	5*	250 U	0.26 J	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Vinyl chloride	2	390	20	270 D	550	840	93	38	190 D	1,100
Chloroethane	5*	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Bromomethane	5*	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
1,1-Dichloroethene	5*	250 U	0.66 J	2.3	50 U	50 U	5.0 U	2.0 U	1.8	18 J
Acetone	50	1300 U	5.0 U	5.0 U	250 U	250 U	25 U	6.3 J	5.0 U	100 U
Carbon disulfide	60	110 J	0.26 J	5.5	49 J	310	16	15	200	140
Methylene chloride	5*	110,000 D	1.0 U	360 D	7,700	15,000 D	670	11	380 D	14,000 D
trans-1,2-Dichloroethene	5*	250 U	0.44 J	3.0	50 U	50 U	2.0 J	1.1 J	4.2	21
1,1-Dichloroethane	5*	250 U	3.9	3.7	50 U	50 U	3.8 J	4.5	9.3	31
cis-1,2-Dichloroethene	5*	17,000	62	460 D	640	790	150	49	290 D	3,100
2-Butanone	50	1300 U	5.0 U	5.3	250 U	250 U	25 U	10 U	2.8 J	100 U
Chloroform	7	410	1.0 U	1.2	50 U	50 U	5.0 U	2.0 U	1.9	11 J
1,1,1-Trichloroethane	5*	230 J	0.97 J	2.2	50 U	50 U	21	1.1 J	1.7	22
Carbon tetrachloride	5	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Benzene	1	250 U	1.0 U	0.21 J	50 U	50 U	5.0 U	2.0 U	0.34 J	20 U
1,2-Dichloroethane	0.6	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Trichloroethene	5*	140,000 D	5.1	280 D	410	510	110	27	130	4,400 D
1,2-Dichloropropane	1	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Bromodichloromethane	50	130 J	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
cis-1,3-Dichloropropene	0.4**	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
4-Methyl-2-pentanone	No Given Value	1300 U	5.0 U	5.0 U	250 U	250 U	25 U	10 U	5.0 U	100 U
Toluene	5*	250 U	1.0 U	0.49 J	50 U	50 U	5.0 U	2.0 U	0.47 J	4.2 J
trans-1,3-Dichloropropene	0.4**	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
1,1,2-Trichloroethane	1	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Tetrachloroethene	5*	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
2-Hexanone	50	1300 U	5.0 U	5.0 U	250 U	250 U	25 U	10 U	5.0 U	100 U
Dibromochloromethane	50	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Chlorobenzene	5*	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Ethylbenzene	5*	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
m/p-Xylenes	5*	500 U	2.0 U	2.0 U	100 U	100 U	10 U	4.0 U	2.0 U	40 U
o-Xylene	5*	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Styrene	5*	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Bromoform	50	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
1,1,2,2-Tetrachloroethane	5*	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Total VOCs (minus Carbon Disulfide)		268,160	93.33	1,388.4	9,300	17,140	1,049.8	138	1,012.51	22,707.2
Percent Change				1388%	9865%	18265%	1025%	48%	985%	24230%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.13	4.3	0.14	0.13	0.10 U			
Chloride (mg/L)			105	76.0	83.3	106	85.3	82.5		127
Total organic carbon (mg/L)			3.4	141	83	59.3	18.9	14.1		18.2
Sulfate (mg/L)			386	40.8	63.3	33.5	241	190		16.3
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			21	30	58	110	78	540 D		530
Ethane (µg/L)			1.0 U	3.6	2.5 U	3.0	5.2 U	1.4		10 U
Ethene (µg/L)			1.0 U	69	150	220 D	340	300 D		620
Carbon dioxide (mg/L)			277	660	534	648	437	820		648
Alkalinity, Total as CaCO3 (mg/L)			287	530	595	644	469	462		656
Bicarbonate Alkalinity as CaCO3 (mg/L)			287	530	595	644	469	462		656
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		SB
Acetic acid			1.0 U	280	150	95	17	24		SB
Propionic acid			1.0 U	7.7	4.9	6.3	2.0	1.0 U		SB
Butyric acid			2.0 U	4.0 U	10	14	3.6	2.0 U		SB
Pyruvic acid			0.50 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U		SB

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	B-10A(1)							
Volatile Organic Compounds (µg/L)		5/23/17	11/14/17	1/24/18	2/28/18	3/21/18	6/20/18	9/20/18	12/12/18
Chloromethane	5*	500 U	170 J	500 U	200 U	500 U	250 U	250 U	250 U
Vinyl chloride	2	430 J	380 J	510	440	370 J	750	2,400	1,700
Chloroethane	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Bromomethane	5*	500 U	170 J	500 U	200 U	500 U	250 U	250 U	250 U
1,1-Dichloroethene	5*	310 J	380 J	380 J	310	410 J	200 J	360	290
Acetone	50	2,500 U	2,500 U	2,500 U	1,000 U	2,500 U	1,300 U	1,300 U	1,300 U
Carbon disulfide	60	500 U	500 U	500 U	200 U	500 U	250 U	240 J	250 U
Methylene chloride	5*	3,300	6,000	3,700	2,200	3,000	740	9,500	6,200
trans-1,2-Dichloroethene	5*	500 U	180 J	250 J	190 J	200 J	87 J	140 J	140 J
1,1-Dichloroethane	5*	350 J	450 J	430 J	370	380 J	180 J	360	300
cis-1,2-Dichloroethene	5*	20,000	22,000	70,000	65,000 D	52,000	37,000	52,000 D	31,000
2-Butanone	50	2,500 U	2,500 U	2,500 U	1,000 U	2,500 U	1,300 U	1,300 U	1,300 U
Chloroform	7	980	500 U	500 U	200 U	500 U	250 U	250 U	250 U
1,1,1-Trichloroethane	5*	780	930	1,100	850	1,300	730	1,300	1,500
Carbon tetrachloride	5	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Benzene	1	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
1,2-Dichloroethane	0.6	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Trichloroethene	5*	58,000	64,000	28,000	17,000	33,000	12,000	23,000	38,000
1,2-Dichloropropane	1	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Bromodichloromethane	50	210 J	500 U	500 U	200 U	500 U	250 U	250 U	250 U
cis-1,3-Dichloropropene	0.4**	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
4-Methyl-2-pentanone	No Given Value	2,500 U	2,500 U	2,500 U	1,000 U	2,500 U	1,300 U	1,300 U	1,300 U
Toluene	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
trans-1,3-Dichloropropene	0.4**	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
1,1,2-Trichloroethane	1	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Tetrachloroethene	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
2-Hexanone	50	2,500 U	2,500 U	2,500 U	1,000 U	2,500 U	1,300 U	1,300 U	1,300 U
Dibromochloromethane	50	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Chlorobenzene	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Ethylbenzene	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
m/p-Xylenes	5*	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	500 U	500 U	500 U
o-Xylene	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Styrene	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Bromoform	50	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
1,1,2,2-Tetrachloroethane	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Total VOCs (minus Carbon Disulfide)		84,360	94,660	104,370	86,360	90,660	51,687	89,060	79,130
Percent Change				10%	-9%	-4%	-45%	-6%	-16%
General Chemistry Parameters									
Iron, ferrous (mg/L)			0.14	0.10 U	0.10 U	0.10 U	0.10 U		
Chloride (mg/L)			87.2	109	91.1	95.8	67.0	111	86.2
Total organic carbon (mg/L)			7.9	56.9	53.5	32.6	112	41.5	11.0
Sulfate (mg/L)			158	123	96.2	102	35.1	55.6	129.000
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methane (µg/L)			80	67	66	73	1,200 D	460	180
Ethane (µg/L)			1.4	2.2	2.3	2.6	3.2	5.2 U	2.1 U
Ethene (µg/L)			18	19	25	27	93 D	250	150
Carbon dioxide (mg/L)			398	508	475	424	696	598	424
Alkalinity, Total as CaCO3 (mg/L)			479	549	537	467	701	679	476
Bicarbonate Alkalinity as CaCO3 (mg/L)			423	549	537	467	701	679	476
Carbonate Alkalinity as CaCO3 (mg/L)			56.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Volatile Fatty Acids (mg/L)									
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetic acid			1.0 U	82	97	51	170	72	11
Propionic acid			1.0 U	15	4.1	1.0 U	44	7.3	1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	13	4.5	2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	B-14(1)								
Volatile Organic Compounds (µg/L)		10/20/16	11/13/17	1/23/18	2/27/18	3/20/18	6/19/18	9/18/18	10/30/18	12/11/18
Chloromethane	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Vinyl chloride	2	180	190	180	240 D	180	170	200 D	170	160
Chloroethane	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Bromomethane	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,1-Dichloroethene	5*	1.3	1.8 J	2.0 U	1.2	2.0 U	0.93 J	1.6	0.80 J	0.88 J
Acetone	50	1.6 J	10 U	10 U	1.4 J	4.6 J	5.0 U	4.0 J	10 U	10 U
Carbon disulfide	60	0.71 J	0.64 J	3.1	1.1 B	2.0 U	1.0 U	2.1	2.5	3.1
Methylene chloride	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	2.1	2.0 U	2.0 U
trans-1,2-Dichloroethene	5*	1.8	1.8 J	1.6 J	2.1	1.5 J	1.3	1.9	1.8 J	1.5 J
1,1-Dichloroethane	5*	20	18	15	22	16	17	24	14	14
cis-1,2-Dichloroethene	5*	170	140	100	150	120	97	170	140	110
2-Butanone	50	5.0 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	10 U	10 U
Chloroform	7	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,1,1-Trichloroethane	5*	81	75	52	73	58	64	81	41	54
Carbon tetrachloride	5	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Benzene	1	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Trichloroethene	5*	1.8	1.8 J	1.6 J	2.5	1.7 J	1.5	53	1.2 J	4.2
1,2-Dichloropropane	1	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Bromodichloromethane	50	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	10 U	10 U
Toluene	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Tetrachloroethene	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
2-Hexanone	50	5.0 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	10 U	10 U
Dibromochloromethane	50	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Chlorobenzene	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Ethylbenzene	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
m/p-Xylenes	5*	2.0 U	4.0 U	4.0 U	2.0 U	4.0 U	2.0 U	2.0 U	4.0 U	4.0 U
o-Xylene	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Styrene	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Bromoform	50	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Total VOCs (minus Carbon Disulfide)		457.5	428.4	350.2	492.2	381.8	351.73	537.6	368.8	344.58
Percent Change				-18%	15%	-11%	-18%	25%	-14%	-20%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U			
Chloride (mg/L)			120	117	141	165	134	114		121
Total organic carbon (mg/L)			4.1	3.8	4.1	4.4	3.9	3.5		3.5
Sulfate (mg/L)			957	972	983	857	1,070	957		951
Nitrate as N (mg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			54	53	21	61	80	130 D		100
Ethane (µg/L)			1.0 U	1.1	1.0 U	1.3	1.4	2.1		2.1 U
Ethene (µg/L)			8.8	12	7.1	14	17	19		15
Carbon dioxide (mg/L)			325	286	265	282	305	340		524
Alkalinity, Total as CaCO3 (mg/L)			308	290	298	302	308	291		275
Bicarbonate Alkalinity as CaCO3 (mg/L)			308	290	298	302	308	291		275
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	DW-9								
Volatile Organic Compounds (µg/L)		10/20/16	11/14/17	1/24/18	2/28/18	3/21/18	6/20/18	9/20/18	10/31/18	12/13/18
Chloromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	2.5	1.0 U	1.0 U	1.0 U	1.0 U	1.7	200 D	1.0 U	1.0 U
Chloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.4	1.0 U	1.0 U
Acetone	50	5.0 U	1.7 J	1.8 J	2.0 J	2.0 J	5.0 U	2.3 J	1.0 U	1.0 U
Carbon disulfide	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.7	1.0 U	1.0 U
Methylene chloride	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.58 J	200 D	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	8.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6	1.0 U	1.0 U
1,1-Dichloroethane	5*	13	0.40 J	1.0 U	1.0 U	1.0 U	1.0 U	6.4	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	1,100 D	22	4.9	3.7	3.9	6.8	420 D	3.3	4.0
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.2 J	5.0 U	5.0 U
Chloroform	7	3	0.47 J	1.0 U	1.0 U	1.0 U	1.0 U	1.9	1.2	0.38 J
1,1,1-Trichloroethane	5*	44	1.1	1.0 U	1.0 U	1.0 U	1.0 U	4.9	1.0 U	0.30 J
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	0.85 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	2,400 D	70	20	15	18	11	210 D	16	20
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		3,583.95	95.67	26.7	20.7	23.9	20.08	1,051.7	20.5	24.68
Percent Change				-72%	-78%	-75%	-79%	999%	-79%	-74%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.10 U	0.10 U	0.10 U	0.10 U	0.10 U			
Chloride (mg/L)			3.6	5.3	9.5	7.5	10.3	14.5		5.1
Total organic carbon (mg/L)			6.0	6.0	5.9	4.8	4.6	4.7		5.1
Sulfate (mg/L)			141	96.2	78.2	88	62.3	89.1		149
Nitrate as N (mg/L)			2.5	5.3	5.1	6.4	5.1	2.2		2.6
Methane (µg/L)			1.1 U	1.1 U	1.1 U	1.1 U	1.4	59		1.1 U
Ethane (µg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Ethene (µg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.2	83		1.0 U
Carbon dioxide (mg/L)			174	149	150	144	152	236		154
Alkalinity, Total as CaCO3 (mg/L)			186	160	168	162	168	214		172
Bicarbonate Alkalinity as CaCO3 (mg/L)			186	160	168	162	168	214		172
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		SB
Acetic acid			1.0	1.0 U	1.0 U	1.0 U	1.0 U	2.4		SB
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		SB
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		SB
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		SB

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	DW-10								
Volatile Organic Compounds (µg/L)		10/20/16	11/14/17	1/24/18	2/28/18	3/21/18	6/20/18	9/19/18	10/31/18	12/12/18
Chloromethane	5*	10 U	0.24 J	1.0 U	50 U	100 U	50 U	50 U	2.5 U	4.8 J
Vinyl chloride	2	110	2.3	260 D	130	160	38 J	970	6.2	730
Chloroethane	5*	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Bromomethane	5*	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
1,1-Dichloroethene	5*	5.9 J	1.0 U	17	50 U	100 U	50 U	39 J	0.73 J	32
Acetone	50	50 U	1.5 J	4.9 J	250 U	500 U	250 U	250 U	18	25 U
Carbon disulfide	60	10 U	1.0 U	14	50 U	28 J	50 U	150	2.5	66
Methylene chloride	5*	2,300 D	170	16,000 D	10,000 D	14,000	5,100	130,000 D	390	100,000 D
trans-1,2-Dichloroethene	5*	3.8	1.0 U	12.0	50 U	100 U	50 U	37 J	2.5 U	33
1,1-Dichloroethane	5*	12	1.0 U	15	50 U	100 U	50 U	12 J	2.5 U	9.0
cis-1,2-Dichloroethene	5*	960	17	1,100 D	480	640	130	2,300	15	2,100 D
2-Butanone	50	50 U	5.0 U	5.0 U	250 U	500 U	250 U	250 U	10 J	25 U
Chloroform	7	3.4 J	1.0 U	5.4	50 U	93 J	50 U	50	1.1 J	40
1,1,1-Trichloroethane	5*	57	0.48 J	18	50 U	100 U	50 U	50 U	2.5 U	9.5
Carbon tetrachloride	5	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Benzene	1	10 U	1.0 U	0.89 J	50 U	100 U	50 U	50 U	2.5 U	2.5 J
1,2-Dichloroethane	0.6	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Trichloroethene	5*	510	32	36,000 D	8,900	13,000	610	2,000	100	2,100 D
1,2-Dichloropropane	1	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Bromodichloromethane	50	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
cis-1,3-Dichloropropene	0.4**	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
4-Methyl-2-pentanone	No Given Value	50 U	5.0 U	5.0 U	250 U	500 U	250 U	250 U	13 U	1.9 J
Toluene	5*	10 U	1.0 U	8.0	50 U	100 U	50 U	17 J	2.5 U	16
trans-1,3-Dichloropropene	0.4**	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
1,1,2-Trichloroethane	1	10 U	1.0 U	0.75 J	50 U	100 U	50 U	50 U	2.5 U	3.0 J
Tetrachloroethene	5*	10 U	1.0 U	8.0	50 U	100 U	50 U	50 U	2.5 U	3.4 J
2-Hexanone	50	50 U	5.0 U	5.0 U	250 U	500 U	250 U	250 U	21	25 U
Dibromochloromethane	50	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Chlorobenzene	5*	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Ethylbenzene	5*	10 U	1.0 U	1.4	50 U	100 U	50 U	50 U	2.5 U	1.6 J
m/p-Xylenes	5*	20 U	2.0 U	4.6	100 U	200 U	100 U	100 U	5.0 U	5.7 J
o-Xylene	5*	10 U	1.0 U	1.7	50 U	100 U	50 U	50 U	2.5 U	2.3 J
Styrene	5*	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Bromoform	50	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
1,1,2,2-Tetrachloroethane	5*	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Total VOCs (minus Carbon Disulfide)		3,962.1	223.52	53,457.64	19,510	27,893	5,878	135,425	634.3	105,094.7
Percent Change				23816%	8629%	12379%	2530%	60487%	184%	46918%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.10 U	4.0 U	3.1	1.0 U	0.18			
Chloride (mg/L)			10.2	35.3	31.6	41.3	30.2	210		191
Total organic carbon (mg/L)			3.3	690	52	141	107	41.5		11.5
Sulfate (mg/L)			53	104	88.0	73.8	28.5	406		666
Nitrate as N (mg/L)			2.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			1.6	76	47	56	33	400 D		390
Ethane (µg/L)			1.0 U	7.2	3.7	2.8	30	1.1		5.2 U
Ethene (µg/L)			1.0 U	24	14	20	19	170 D		110
Carbon dioxide (mg/L)			108	179	152	166	214	991		1,040
Alkalinity, Total as CaCO3 (mg/L)			122	184	170	168	138	611		416
Bicarbonate Alkalinity as CaCO3 (mg/L)			122	184	170	168	138	611		416
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid			1.0 U	1.0 U	14	44	56	91		19
Propionic acid			1.0 U	1.0 U	2.9	14	4.0	1.6		1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.5	7.1	2.0 U		2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	DW-11								
Volatile Organic Compounds (µg/L)		10/20/16	11/13/17	1/23/18	2/27/18	3/20/18	6/19/18	9/18/18	10/31/18	12/11/18
Chloromethane	5*	10 U	0.45 J	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Vinyl chloride	2	450	100	13	40	190 D	59	180	0.53 J	240 D
Chloroethane	5*	10 U	29	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Bromomethane	5*	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	10 U	1.2	1.0 U	1.0 U	2.2	1.4 J	11	1.0 U	3.3
Acetone	50	50 U	5.0 U	48	14	2.6 J	22 J	25 U	2.7 J	2.1 J
Carbon disulfide	60	3.4 J	0.35 J	0.39 J	0.48 J	8.8	13	55	1.0 U	40
Methylene chloride	5*	10 U	1.0 U	11	14	72	180	490	0.77 J	77
trans-1,2-Dichloroethene	5*	5.9 J	1.0	1.0 U	1.0 U	1.5	1.7 J	3.9 J	1.0 U	2.8
1,1-Dichloroethane	5*	25	8.6	0.88 J	2.8	17	3.4 J	28	1.0 U	33
cis-1,2-Dichloroethene	5*	1,500	110	23	31	190	630	1,300 D	11	210 D
2-Butanone	50	50 U	5.0 U	1.0 J	5.0 U	5.0 U	25 U	25 U	5.0 U	1.1 J
Chloroform	7	10 U	1.0 U	1.0 U	1.0 U	1.0 U	2.7 J	5.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5*	110	45	3.3	5.6	58	7.8	92	0.31 J	91
Carbon tetrachloride	5	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Benzene	1	10 U	1.0 U	0.84 J	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Trichloroethene	5*	14	35	520 D	190	1,300 D	180	17,000 D	35	3,000 D
1,2-Dichloropropane	1	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Bromodichloromethane	50	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	50 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U
Toluene	5*	10 U	1.0 U	0.54 J	0.24 J	1.2	5.0 U	6.1	1.2	2.5
trans-1,3-Dichloropropene	0.4**	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	10 U	1.0 U	0.46 J	1.0 U	0.55 J	5.0 U	2.0 J	0.55	1.7
2-Hexanone	50	50 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U
Dibromochloromethane	50	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Chlorobenzene	5*	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Ethylbenzene	5*	10 U	1.0 U	1.0 U	1.0 U	0.22 J	5.0 U	5.0 U	0.22	0.59 J
m/p-Xylenes	5*	20 U	2.0 U	0.56 J	2.0 U	0.78 J	10 U	2.8 J	0.78	2.0
o-Xylene	5*	10 U	1.0 U	1.0 U	1.0 U	0.31 J	5.0 U	1.1 J	0.31	0.78 J
Styrene	5*	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Bromoform	50	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		2,104.9	330.25	622.58	297.64	1,836.36	1,088	19,116.9	53.37	3,666.77
Percent Change				89%	-10%	456%	229%	5689%	-84%	1010%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.10 U	0.76	0.10 U	0.10 U	0.24			
Chloride (mg/L)			321	481	976	580	782	394		124
Total organic carbon (mg/L)			4.1	9.2	6.8	16.8	24.6	16.9		13.1
Sulfate (mg/L)			291	409	246	731	167	479		1,000
Nitrate as N (mg/L)			1.1	2.4	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Methane (µg/L)			30	4.2	2.7	54	69	77 D		96
Ethane (µg/L)			1.0 U	1.0 U	1.0 U	3.4	1.0	1.4		2.1 U
Ethene (µg/L)			4.2	1.1	1.3	28	40	81		100
Carbon dioxide (mg/L)			222	177	119	292	647	648		855
Alkalinity, Total as CaCO3 (mg/L)			245	194	133	310	547	564		378
Bicarbonate Alkalinity as CaCO3 (mg/L)			245	194	133	310	547	564		378
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid			1.0 U	1.4	1.0 U	19	19	29		24
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Constituents of Concern (Units)	Groundwater Protection Standard (µg/L)	DW-12								
Volatile Organic Compounds (µg/L)		10/19/16	11/13/17	1/24/18	2/27/18	3/20/18	6/19/18	9/18/18	10/31/18	12/11/18
Chloromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	180	1.0 U	1.0 U	1.0 U	0.45 J	0.51 J	4.5	1.0 U	6.3
Chloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	5.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	50	5.0 U	2.4 J	5.0 U	1.9 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	60	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J
1,1-Dichloroethane	5*	13	1.0 U	1.0 U	1.0 U	0.76 J	1.3	3.4	1.0 U	3.1
cis-1,2-Dichloroethene	5*	1,700 D	1.5	2.2	1.1	4.2	7.5	16	0.72 J	14
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	7	1.1	1.0 U	0.35 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5*	34	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.50 J	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	83	1.2	0.87 J	0.70 J	1.3	1.3	1.2	1.4	0.77 J
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		2,031.3	3.9	3.42	3.7	6.71	10.61	25.6	2.12	24.5
Percent Change				-12%	-5%	72%	172%	556%	-46%	528%
General Chemistry Parameters										
Iron, ferrous (mg/L)			0.10 U	0.10 U	0.11	0.10 U	0.34			
Chloride (mg/L)			40.7	1,050	1,100	1,100	322	131		288
Total organic carbon (mg/L)			2.9	2.2	2.2	2.8	3.1	2.8		3.9
Sulfate (mg/L)			184	138	92.1	113	282	281		248
Nitrate as N (mg/L)			1.0 U	1.5	1.1	1.1	1.0 U	1.0 U		1.0 U
Methane (µg/L)			1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	3.0		2.6
Ethane (µg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Ethene (µg/L)			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3		1.0 U
Carbon dioxide (mg/L)			73.1	62.6	56.6	111	204	227		301
Alkalinity, Total as CaCO3 (mg/L)			80.4	66.4	64.0	122	212	235		208
Bicarbonate Alkalinity as CaCO3 (mg/L)			80.4	66.4	64.0	122	212	235		208
Carbonate Alkalinity as CaCO3 (mg/L)			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Volatile Fatty Acids (mg/L)										
Lactic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Acetic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Propionic acid			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
Butyric acid			2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
Pyruvic acid			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U

Table 6
Groundwater Laboratory Analytical Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Notes:
All concentrations reported in micrograms per liter (µg/L) or parts per billion (ppb).
* = The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.
** = Applies to the sum of cis- and trans-1,3-dichloropropene, CAS Nos. 10061-01-5 and 10061-02-6, respectively.
Shaded = Compound exceeds Groundwater Protection Standard.
Bold = Compound detected at concentration.
J = Indicates an estimated value below detection limit.
D = Compound analyzed at secondary dilution.
E = Compound exceeds the calibration range.
SB = Sample broken in laboratory.

Table 7
Groundwater Field Monitoring Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Well ID	Field Parameters / Sample Date	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018
87-01(1)	Temperature (°C)	14.63	13.54	13.50	11.61	15.26	16.26	15.41	14.18
	Conductivity (mS/cm)	2.39	2.232	3.101	2.599	1.830	1.731	1.57	2.815
	Dissolved Oxygen (mg/L)	2.56	2.01	0.77	0.07	2.86	2.84	NM	1.4
	pH (standard units)	7.26	6.7	7.34	7.16	7.06	7.07	7.25	7.35
	Oxidation-Reduction Potential (mV)	-101	-216.9	-166.4	-181.8	-329.7	-227.4	NM	-343.7
Well ID	Field Parameters / Sample Date	11/13/2017	1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018
87-02(1)	Temperature (°C)	14.68	11.00	12.44	10.12	14.09	18.52	14.56	13.97
	Conductivity (mS/cm)	1.772	2.471	2.72	2.596	1.791	1.637	1.108	2.45
	Dissolved Oxygen (mg/L)	2.78	3.11	0.89	0.06	3.35	2.10	NM	2.33
	pH (standard units)	7.31	6.62	6.96	6.9	7.14	7.19	7.12	7.55
	Oxidation-Reduction Potential (mV)	-21.0	-51	-40.9	-114.5	-230.4	-158.7	NM	-337.7
Well ID	Field Parameters / Sample Date	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/13/2018
87-08(1)	Temperature (°C)	11.80	8.66	9.43	7.48	10.23	12.60	12.22	11.50
	Conductivity (mS/cm)	1.350	0.965	0.974	1.061	0.962	1.064	0.893	1.226
	Dissolved Oxygen (mg/L)	0.61	3.41	1.88	0.72	2.72	4.00	NM	0.81
	pH (standard units)	7.46	7.20	8.18	7.55	7.18	6.18	7.22	7.47
	Oxidation-Reduction Potential (mV)	-51.8	-105.9	-119.7	-266.2	-222.6	-265.3	NM	-342.6
Well ID	Field Parameters / Sample Date	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018		12/12/2018
87-09(1)	Temperature (°C)	14.05	11.37	11.53	9.80	13.04	15.12	NM	13.37
	Conductivity (mS/cm)	2.422	2.091	2.167	2.195	1.882	2.219	NM	1.625
	Dissolved Oxygen (mg/L)	2.75	3.10	2.94	0.46	6.73	0.20	NM	1.24
	pH (standard units)	7.20	7.30	8.07	7.60	7.19	6.65	NM	6.17
	Oxidation-Reduction Potential (mV)	-91.0	-174.5	-16.3	-109.4	-162.8	-177.7	NM	-91.1
Well ID	Field Parameters / Sample Date	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018		12/11/2018
87-12(1)	Temperature (°C)	14.90	11.66	11.18	8.94	13.44	18.71	NM	12.21
	Conductivity (mS/cm)	2.459	2.360	2.160	2.522	1.727	2.273	NM	2.824
	Dissolved Oxygen (mg/L)	1.59	1.43	0.14	0.06	0.82	0.00	NM	1.47
	pH (standard units)	6.85	7.13	7.96	7.72	6.85	6.90	NM	7.37
	Oxidation-Reduction Potential (mV)	-71.3	-292.2	-89.0	-191.6	-320.2	-298.1	NM	-337.9

Table 7
Groundwater Field Monitoring Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Well ID	Field Parameters / Sample Date	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018		12/12/2018
87-13(1)	Temperature (°C)	13.90	10.78	11.37	8.76	12.16	15.42	NM	13.27
	Conductivity (mS/cm)	1.321	2.725	3.202	3.232	2.978	3.425	NM	3.889
	Dissolved Oxygen (mg/L)	0.79	0.54	0.62	0.11	1.82	19.2	NM	5.55
	pH (standard units)	7.21	6.65	7.87	6.99	6.47	5.66	NM	5.44
	Oxidation-Reduction Potential (mV)	-62.0	-245.8	-213.5	-255.5	-270.0	-257.4	NM	-263.8
Well ID	Field Parameters / Sample Date	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/12/2018
87-17(1)	Temperature (°C)	13.56	10.35	11.39	8.91	12.63	14.61	13.88	12.68
	Conductivity (mS/cm)	2.568	2.184	2.294	2.339	1.961	2.228	1.817	2.642
	Dissolved Oxygen (mg/L)	4.02	2.48	2.22	0.33	1.27	2.23	NM	0.78
	pH (standard units)	7.26	7.12	8.5	7.98	7.25	6.25	7.05	7.32
	Oxidation-Reduction Potential (mV)	-91.0	-140.0	-99.1	-80.2	-111.1	-161.1	NM	-351.0
Well ID	Field Parameters / Sample Date	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018
87-20(1)	Temperature (°C)	13.95	11.68	10.83	8.76	11.35	14.95	14.76	11.99
	Conductivity (mS/cm)	1.953	2.285	2.547	2.505	1.761	1.585	1.49	2.387
	Dissolved Oxygen (mg/L)	0.47	2.79	1.29	0.36	0.24	0.57	NM	3.55
	pH (standard units)	7.31	7.07	7.96	7.92	6.9	6.71	6.50	7.49
	Oxidation-Reduction Potential (mV)	-39.0	-258.1	-77.6	-176.7	-172.3	-192.3	NM	-321.5
Well ID	Field Parameters / Sample Date	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018
87-22(1)	Temperature (°C)	11.33	9.74	9.54	8.31	11.35	11.53	11.3	10.76
	Conductivity (mS/cm)	2.414	2.365	2.195	2.315	1.959	2.339	1.909	1.973
	Dissolved Oxygen (mg/L)	4.12	3.59	3.50	0.64	0.91	4.15	NM	4.70
	pH (standard units)	7.08	7.11	7.81	7.92	6.80	6.08	6.94	5.84
	Oxidation-Reduction Potential (mV)	-81.0	-172.1	-22.1	-109.0	-164.5	-225.3	NM	-175.2
Well ID	Field Parameters / Sample Date	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018		12/11/2018
89-10(1)	Temperature (°C)	14.23	11.48	12.11	9.85	13.57	16.7	NM	11.21
	Conductivity (mS/cm)	1.964	3.017	4.245	3.433	1.812	2.50	NM	3.447
	Dissolved Oxygen (mg/L)	1.93	1.17	NM	0.12	2.29	0	NM	3.00
	pH (standard units)	7.29	6.85	7.82	7.27	7.10	6.71	NM	7.29
	Oxidation-Reduction Potential (mV)	-73.2	-293.4	-116.7	-189.9	-306.3	-325.4	NM	-385.9

Table 7
Groundwater Field Monitoring Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Well ID	Field Parameters / Sample Date	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018		12/11/2018
89-12(1)	Temperature (°C)	13.61	11.52	11.43	9.49	13.38	15.85	NM	13.60
	Conductivity (mS/cm)	1.773	2.732	3.156	3.009	1.997	2.086	NM	1.999
	Dissolved Oxygen (mg/L)	2.71	2.01	0.48	0.29	2.87	0.27	NM	1.59
	pH (standard units)	7.37	7.20	7.95	7.70	7.16	7.09	NM	6.15
	Oxidation-Reduction Potential (mV)	-35.3	-291.7	-98.6	-167.4	-291.8	-185.2	NM	-174.0
Well ID	Field Parameters / Sample Date	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018
89-15(1)	Temperature (°C)	14.24	10.46	10.68	9.03	13.90	15.65	14.80	13.18
	Conductivity (mS/cm)	1.545	1.211	1.316	1.326	1.514	1.264	1.226	1.730
	Dissolved Oxygen (mg/L)	1.74	0.68	2.73	0.34	1.74	0.33	NM	1.82
	pH (standard units)	7.39	6.74	8.06	7.20	7.58	6.35	7.02	7.27
	Oxidation-Reduction Potential (mV)	-20.3	-153.8	-130.4	-223.9	-242.0	-282.4	NM	-461.6
Well ID	Field Parameters / Sample Date	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018		12/13/2018
B-10A(1)	Temperature (°C)	10.94	7.10	10.16	6.54	12.78	13.53	NM	11.08
	Conductivity (mS/cm)	0.739	1.182	1.328	1.220	1.196	1.251	NM	1.539
	Dissolved Oxygen (mg/L)	6.59	3.32	5.41	0.79	3.45	4.51	NM	2.37
	pH (standard units)	8.55	7.64	8.64	7.85	7.25	6.38	NM	8.25
	Oxidation-Reduction Potential (mV)	-113.8	-96.2	-8.9	-257.6	-126.2	-245.1	NM	-328.2
Well ID	Field Parameters / Sample Date	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018
B-14(1)	Temperature (°C)	12.42	9.67	10.58	8.25	13.21	13.78	13.31	12.64
	Conductivity (mS/cm)	2.422	2.101	2.181	2.192	1.889	2.158	1.778	1.867
	Dissolved Oxygen (mg/L)	3.40	3.85	3.98	0.51	6.32	0.13	NM	0.67
	pH (standard units)	7.26	7.27	8.23	7.57	7.26	6.84	7.1	6.29
	Oxidation-Reduction Potential (mV)	-92.9	-176.1	-17.1	-101.0	-184.4	-223.2	NM	-152.0
Well ID	Field Parameters / Sample Date	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/13/2018
DW-9	Temperature (°C)	NM	2.83	4.16	2.73	10.49	NM	13.61	9.17
	Conductivity (mS/cm)	NM	0.531	0.505	0.524	0.345	NM	0.44	0.700
	Dissolved Oxygen (mg/L)	NM	0.54	8.93	2.47	5.99	NM	NM	7.01
	pH (standard units)	NM	7.58	8.28	8.24	7.84	6.96	7.71	8.02
	Oxidation-Reduction Potential (mV)	NM	40.3	-22.4	-169.0	-7.8	NM	NM	-269.2

Table 7
Groundwater Field Monitoring Data
Bioremediation Program
Former Bell Aerospace Textron
Wheatfield, New York

Well ID	Field Parameters / Sample Date	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018
DW-10	Temperature (°C)	13.65	8.53	8.76	6.73	12.23	NM	NM	10.96
	Conductivity (mS/cm)	0.420	0.593	0.565	0.580	0.379	NM	NM	1.579
	Dissolved Oxygen (mg/L)	8.76	1.30	5.26	0.53	6.81	NM	NM	0.66
	pH (standard units)	8.39	7.32	8.21	7.26	6.47	6.43	NM	6.09
	Oxidation-Reduction Potential (mV)	34.2	-17.0	-22.7	-193.2	-188.5	NM	NM	-176.1
Well ID	Field Parameters / Sample Date	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/31/2018	12/11/2018
DW-11	Temperature (°C)	15.42	6.30	8.88	8.62	13.65	16.71	16.2	12.57
	Conductivity (mS/cm)	2.219	1.089	3.369	3.223	2.656	3.179	1.352	2.078
	Dissolved Oxygen (mg/L)	NM	3.45	2.19	0.30	0.94	0	NM	0.74
	pH (standard units)	8.04	7.78	8.13	7.50	6.82	6.87	7.67	6.16
	Oxidation-Reduction Potential (mV)	NM	-185.7	-13.4	-153.6	-321.6	-322.9	NM	-248.6
Well ID	Field Parameters / Sample Date	11/13/2017	1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/31/2018	12/11/2018
DW-12	Temperature (°C)	15.64	4.58	6.72	7.83	14.26	NM	16.74	16.51
	Conductivity (mS/cm)	0.697	3.443	3.348	3.218	1.607	NM	0.656	1.374
	Dissolved Oxygen (mg/L)	NM	8.95	8.34	0.52	3.66	NM	NM	2.43
	pH (standard units)	8.05	7.50	8.70	7.83	7.37	7.37	8.14	6.55
	Oxidation-Reduction Potential (mV)	NM	-12.6	14.6	-117.3	-151.2	NM	NM	2.6

Notes

Field parameter = value recorded at time of sample collection

NM = Not Measured mg/L = milligrams per liter

°C = degrees Celsius mV = millivolts

mS/cm = millisiemens per centimeter NTU = Nephelometric Turbidity Units

Table 8
Groundwater Analytical Data
Pre Injection and One-Year Post Injection
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	86-23(B)	87-04(1)		87-05(1)	
SAMPLE DATE		12/10/2018	5/22/2017	12/12/2018	5/23/2017	12/10/2018
VOCs by USEPA Method 8260						
Chloromethane	5*	5.0 U	2.0 U	20 U	50 U	50 U
Vinyl chloride	2	500	210	980	460	1,900
Chloroethane	5*	5.0 U	2.0 U	20 U	50 U	50 U
Bromomethane	5*	5.0 U	2.0 U	20 U	50 U	50 U
1,1-Dichloroethene	5*	5.0 U	2.9	26	50 U	23 J
Acetone	50	25 U	10.0 U	100 U	250 U	250 U
Carbon disulfide	60	4.6 J	2.0 U	100	50 U	72
Methylene chloride	5*	5.0 U	31	64,000 D	2,100	50 U
trans-1,2-Dichloroethene	5*	4.2 J	3.6	28	50 U	31 J
1,1-Dichloroethane	5*	19	2.9	6.8 J	42 J	23 J
cis-1,2-Dichloroethene	5*	88	290	1,600	6,900	7,200
2-Butanone	50	25 U	10 U	100 U	250 U	250 U
Chloroform	7	5.0 U	0.80 J	22	50 U	50 U
1,1,1-Trichloroethane	5*	32	2.0 U	20 U	140	23 J
Carbon tetrachloride	5	5.0 U	2.0 U	20 U	50 U	50 U
Benzene	1	5.0 U	2.0 U	20 U	50 U	50 U
1,2-Dichloroethane	0.6	5.0 U	2.0 U	20 U	50 U	50 U
Trichloroethene	5*	5.4	36	770	1,300	670
1,2-Dichloropropane	1	5.0 U	2.0 U	20 U	50 U	50 U
Bromodichloromethane	50	5.0 U	2.0 U	20 U	50 U	50 U
cis-1,3-Dichloropropene	0.4**	5.0 U	2.0 U	20 U	50 U	50 U
4-Methyl-2-pentanone	No Given Value	25 U	10 U	100 U	250 U	250 U
Toluene	5*	5.0 U	2.0 U	5.8 J	12 J	12 J
trans-1,3-Dichloropropene	0.4**	5.0 U	2.0 U	20 U	50 U	50 U
1,1,2-Trichloroethane	1	5.0 U	2.0 U	20 U	50 U	50 U
Tetrachloroethene	5*	5.0 U	2.0 U	20 U	50 U	50 U
2-Hexanone	50	25 U	10 U	100 U	250 U	250 U
Dibromochloromethane	50	5.0 U	2.0 U	20 U	50 U	50 U
Chlorobenzene	5*	5.0 U	2.0 U	20 U	50 U	50 U
Ethylbenzene	5*	5.0 U	2.0 U	20 U	50 U	50 U
m/p-Xylenes	5*	10.0 U	4.0 U	40 U	100 U	100 U
o-Xylene	5*	5.0 U	2.0 U	20 U	50 U	50 U
Styrene	5*	5.0 U	2.0 U	20 U	50 U	50 U
Bromoform	50	5.0 U	2.0 U	20 U	50 U	50 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	2.0 U	20 U	50 U	50 U
Total VOCs (minus Carbon Disulfide)		648.6	577.2	67,438.6	10,954	9,882
Percent change				11584%		-10%

See notes at end of table.

Table 8
Groundwater Analytical Data
Pre Injection and One-Year Post Injection
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater r Protection Standard (µg/L)	87-10(1)		87-11(1)		SAMPLE LOCATION
SAMPLE DATE		5/23/2017	12/10/2018	11/16/2017	12/13/2018	SAMPLE DATE
VOCs by USEPA Method 8260						
Chloromethane	5*	5.0 U	10 U	50 U	50 U	Chloromethane
Vinyl chloride	2	12	410	1,500	250	Vinyl chloride
Chloroethane	5*	5.0 U	10 U	50 U	50 U	Chloroethane
Bromomethane	5*	5.0 U	10 U	50 U	50 U	Bromomethane
1,1-Dichloroethene	5*	5.0 U	10 U	50 U	50 U	1,1-Dichloroethene
Acetone	50	6.5 J	50 U	250 U	250 U	Acetone
Carbon disulfide	60	5.0 U	26	50 U	81	Carbon disulfide
Methylene chloride	5*	5.0 U	5.2 J	11,000 D	8,000	Methylene chloride
trans-1,2-Dichloroethene	5*	5.0 U	7.4 J	50 U	14 J	trans-1,2-Dichloroethene
1,1-Dichloroethane	5*	2.3 J	17	33 J	14 J	1,1-Dichloroethane
cis-1,2-Dichloroethene	5*	130	1,100	2,500	120	cis-1,2-Dichloroethene
2-Butanone	50	25 U	50 U	250 U	250 U	2-Butanone
Chloroform	7	1.4 J	10 U	18 J	50 U	Chloroform
1,1,1-Trichloroethane	5*	3.6 J	36	53	50 U	1,1,1-Trichloroethane
Carbon tetrachloride	5	5.0 U	10 U	50 U	50 U	Carbon tetrachloride
Benzene	1	5.0 U	10 U	50 U	50 U	Benzene
1,2-Dichloroethane	0.6	5.0 U	10 U	50 U	50 U	1,2-Dichloroethane
Trichloroethene	5*	890	89	76	31 J	Trichloroethene
1,2-Dichloropropane	1	5.0 U	10 U	50 U	50 U	1,2-Dichloropropane
Bromodichloromethane	50	5.0 U	10 U	50 U	50 U	Bromodichloromethane
cis-1,3-Dichloropropene	0.4**	5.0 U	10 U	50 U	50 U	cis-1,3-Dichloropropene
4-Methyl-2-pentanone	No Given Value	25 U	50 U	250 U	250 U	4-Methyl-2-pentanone
Toluene	5*	5.0 U	10 U	50 U	50 U	Toluene
trans-1,3-Dichloropropene	0.4**	5.0 U	10 U	50 U	50 U	trans-1,3-Dichloropropene
1,1,2-Trichloroethane	1	5.0 U	10 U	50 U	50 U	1,1,2-Trichloroethane
Tetrachloroethene	5*	5.0 U	10 U	50 U	50 U	Tetrachloroethene
2-Hexanone	50	25 U	50 U	250 U	250 U	2-Hexanone
Dibromochloromethane	50	5.0 U	10 U	50 U	50 U	Dibromochloromethane
Chlorobenzene	5*	5.0 U	10 U	50 U	50 U	Chlorobenzene
Ethylbenzene	5*	5.0 U	10 U	50 U	50 U	Ethylbenzene
m/p-Xylenes	5*	10.0 U	20 U	100 U	100 U	m/p-Xylenes
o-Xylene	5*	5.0 U	10 U	50 U	50 U	o-Xylene
Styrene	5*	5.0 U	10 U	50 U	50 U	Styrene
Bromoform	50	5.0 U	10 U	50 U	50 U	Bromoform
1,1,2,2-Tetrachloroethane	5*	5.0 U	10 U	50 U	50 U	1,1,2,2-Tetrachloroethane
Total VOCs (minus Carbon Disulfide)		1,045.8	1,664.6	15,180	8,429	Total VOCs (minus Carbon Disu
Percent change			59%		-44%	Percent change

See notes at end of table.

See notes at end of table.

Table 8
Groundwater Analytical Data
Pre Injection and One-Year Post Injection
Bell AerospaceTextron Inc.
Wheatfield, New York

Groundwater Protection Standard (µg/L)	87-14(1)		87-15(1)	
	5/22/2017	12/13/2018	5/22/2017	12/12/2018
5*	250 U	200 U	5.0 U	10 U
2	2,900	8,200	180	370
5*	250 U	200 U	5.0 U	10 U
5*	250 U	200 U	5.0 U	10 U
5*	250 U	200 J	5.0 U	5.5 J
50	320 J	1,000 U	25 U	89
60	250 U	140 J	6.5	44
5*	22,000	54,000 D	4,300 D	1,400
5*	250 U	98 J	2.0 J	13
5*	170 J	350	3.9 J	12
5*	16,000	30,000	390	1,200
50	1,300 U	1,000 U	25 U	250
7	450	200 U	5.0 U	10 U
5*	390	410	5.0 U	10 U
5	250 U	200 U	5.0 U	10 U
1	250 U	200 U	5.0 U	10 U
0.6	250 U	200 U	5.0 U	10 U
5*	32,000	56,000 D	10	17
1	250 U	200 U	5.0 U	10 U
50	250 U	200 U	5.0 U	10 U
0.4**	250 U	200 U	5.0 U	10 U
No Given Value	1,300 U	1,000 U	25 U	50 U
5*	250 U	200 U	5.0 U	10 U
0.4**	250 U	200 U	5.0 U	10 U
1	250 U	200 U	5.0 U	10 U
5*	250 U	200 U	5.0 U	10 U
50	1,300 U	1,000 U	25 U	6.7 J
50	250 U	200 U	5.0 U	10 U
5*	250 U	200 U	5.0 U	10 U
5*	250 U	200 U	5.0 U	10 U
5*	500 U	400 U	10 U	20 U
5*	250 U	200 U	5.0 U	10 U
5*	250 U	200 U	5.0 U	10 U
50	250 U	200 U	5.0 U	10 U
5*	250 U	200 U	5.0 U	10 U
lfide)	74,230	149,258	4,885.9	3,363.2
		101%		-31%

Table 8
Groundwater Analytical Data
Pre Injection and One-Year Post Injection
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-18(1)		96-01(1)	
SAMPLE DATE		5/22/2017	12/10/2018	5/23/2017	12/10/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	5.0 U	2.5 U	5.0 U	5.0 U
Vinyl chloride	2	510	310	700	500
Chloroethane	5*	5.0 U	2.5 U	5.0 U	5.0 U
Bromomethane	5*	5.0 U	2.5 U	5.0 U	5.0 U
1,1-Dichloroethene	5*	5.0 U	1.3 J	5.0 U	2.0 J
Acetone	50	6.7 J	13 U	25 U	25 U
Carbon disulfide	60	5.0 U	2.5 U	5.0 U	11
Methylene chloride	5*	5.0 U	2.5 U	21	120
trans-1,2-Dichloroethene	5*	2.6 J	2.1 J	4.4 J	5.5 J
1,1-Dichloroethane	5*	17	18	29	29
cis-1,2-Dichloroethene	5*	620	130	710	360
2-Butanone	50	25 U	13 U	25 U	25 U
Chloroform	7	5.0 U	2.5 U	5.0 U	5.0 U
1,1,1-Trichloroethane	5*	27	25	48	40
Carbon tetrachloride	5	5.0 U	2.5 U	5.0 U	5.0 U
Benzene	1	5.0 U	2.5 U	5.0 U	5.0 U
1,2-Dichloroethane	0.6	5.0 U	2.5 U	5.0 U	5.0 U
Trichloroethene	5*	3.9 J	4.7	17	29
1,2-Dichloropropane	1	5.0 U	2.5 U	5.0 U	5.0 U
Bromodichloromethane	50	5.0 U	2.5 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	0.4**	5.0 U	2.5 U	5.0 U	5.0 U
4-Methyl-2-pentanone	No Given Value	25 U	13 U	25 U	25 U
Toluene	5*	5.0 U	2.5 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	0.4**	5.0 U	2.5 U	5.0 U	5.0 U
1,1,2-Trichloroethane	1	5.0 U	2.5 U	5.0 U	5.0 U
Tetrachloroethene	5*	5.0 U	2.5 U	5.0 U	5.0 U
2-Hexanone	50	25 U	13 U	25 U	25 U
Dibromochloromethane	50	5.0 U	2.5 U	5.0 U	5.0 U
Chlorobenzene	5*	5.0 U	2.5 U	5.0 U	5.0 U
Ethylbenzene	5*	5.0 U	2.5 U	5.0 U	5.0 U
m/p-Xylenes	5*	10 U	5.0 U	10 U	10 U
o-Xylene	5*	5.0 U	2.5 U	5.0 U	5.0 U
Styrene	5*	5.0 U	2.5 U	5.0 U	5.0 U
Bromoform	50	5.0 U	2.5 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	2.5 U	5.0 U	5.0 U
Total VOCs (minus Carbon Disulfide)		1,187.2	491.1	1,529.4	1,085.5
Percent change			-59%		-29%

See notes at end of table.

Table 8
Groundwater Analytical Data
Pre Injection and One-Year Post Injection
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater r Protection Standard (µg/L)	17-01(1)		17-02(1)	
SAMPLE DATE		11/13/2017	12/10/2018	11/13/2017	12/10/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	5.0 U	100 U	25 U	10 U
Vinyl chloride	2	510	330	270	130
Chloroethane	5*	5.0 U	100 U	25 U	10 U
Bromomethane	5*	5.0 U	100 U	25 U	10 U
1,1-Dichloroethene	5*	5.0 U	100 U	25 U	3.8 J
Acetone	50	6.7 J	500 U	36 J	30
Carbon disulfide	60	5.0 U	430	25 U	120
Methylene chloride	5*	5.0 U	28,000 D	25 U	140
trans-1,2-Dichloroethene	5*	2.6 J	100 U	19 J	4.9 J
1,1-Dichloroethane	5*	17	84 J	9 J	32
cis-1,2-Dichloroethene	5*	620	4,800	4,300 D	1,000
2-Butanone	50	25 U	500 U	130 U	14 J
Chloroform	7	5.0 U	100 U	25 U	10 U
1,1,1-Trichloroethane	5*	27	200	22 J	47
Carbon tetrachloride	5	5.0 U	100 U	25 U	10 U
Benzene	1	5.0 U	100 U	25 U	10 U
1,2-Dichloroethane	0.6	5.0 U	100 U	25 U	10 U
Trichloroethene	5*	3.9 J	19,000 J	490	1,100
1,2-Dichloropropane	1	5.0 U	100 U	25 U	10 U
Bromodichloromethane	50	5.0 U	100 U	25 U	10 U
cis-1,3-Dichloropropene	0.4**	5.0 U	100 U	25 U	10 U
4-Methyl-2-pentanone	No Given Value	25 U	500 U	130 U	50 U
Toluene	5*	5.0 U	100 U	25 U	10 U
trans-1,3-Dichloropropene	0.4**	5.0 U	100 U	25 U	10 U
1,1,2-Trichloroethane	1	5.0 U	100 U	25 U	10 U
Tetrachloroethene	5*	5.0 U	100 U	25 U	10 U
2-Hexanone	50	25 U	500 U	130 U	50 U
Dibromochloromethane	50	5.0 U	100 U	25 U	10 U
Chlorobenzene	5*	5.0 U	100 U	25 U	10 U
Ethylbenzene	5*	5.0 U	100 U	25 U	10 U
m/p-Xylenes	5*	10 U	200 U	50 U	20 U
o-Xylene	5*	5.0 U	100 U	25 U	10 U
Styrene	5*	5.0 U	100 U	25 U	10 U
Bromoform	50	5.0 U	100 U	25 U	10 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	100 U	25 U	10 U
Total VOCs (minus Carbon Disulfide)		1,187.2	52,414	5,146	2,501.7
Percent change			4315%		-51%

See notes at end of table.

Table 8
Groundwater Analytical Data
Pre Injection and One-Year Post Injection
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	17-03(1)		17-04(1)	
SAMPLE DATE		11/13/2017	12/10/2018	11/15/2017	12/12/2018
VOCs by USEPA Method 8260					
Chloromethane	5*	5.0 U	1.0 U	500 U	1,000 U
Vinyl chloride	2	700	9.4	1,400	510 J
Chloroethane	5*	5.0 U	1.0 U	500 U	1,000 U
Bromomethane	5*	5.0 U	1.0 U	500 U	1,000 U
1,1-Dichloroethene	5*	5.0 U	1.0 U	440 J	1,000 U
Acetone	50	25 U	3.1 J	2,500 U	5,000 U
Carbon disulfide	60	5.0 U	3.5	140 J	1,400
Methylene chloride	5*	21	1.0 U	180,000 D	210,000 D
trans-1,2-Dichloroethene	5*	4.4 J	0.38 J	500 U	1,000 U
1,1-Dichloroethane	5*	29	3.1	600	430 J
cis-1,2-Dichloroethene	5*	710	7.8	30,000	12,000
2-Butanone	50	25 U	5.0 U	2,500 U	5,000 U
Chloroform	7	5.0 U	1.0 U	940	1,000 U
1,1,1-Trichloroethane	5*	48	1.0 U	2,900	270 J
Carbon tetrachloride	5	5.0 U	1.0 U	500 U	1,000 U
Benzene	1	5.0 U	1.0 U	500 U	1,000 U
1,2-Dichloroethane	0.6	5.0 U	1.0 U	500 U	1,000 U
Trichloroethene	5*	17	0.26 J	170,000 E	83,000
1,2-Dichloropropane	1	5.0 U	1.0 U	500 U	1,000 U
Bromodichloromethane	50	5.0 U	1.0 U	500 U	1,000 U
cis-1,3-Dichloropropene	0.4**	5.0 U	1.0 U	500 U	1,000 U
4-Methyl-2-pentanone	No Given Value	25 U	5.0 U	2,500 U	5,000 U
Toluene	5*	5.0 U	1.0 U	130 J	1,000 U
trans-1,3-Dichloropropene	0.4**	5.0 U	1.0 U	500 U	1,000 U
1,1,2-Trichloroethane	1	5.0 U	1.0 U	500 U	1,000 U
Tetrachloroethene	5*	5.0 U	1.0 U	500 U	1,000 U
2-Hexanone	50	25 U	5.0 U	2,500 U	5,000 U
Dibromochloromethane	50	5.0 U	1.0 U	500 U	1,000 U
Chlorobenzene	5*	5.0 U	1.0 U	500 U	1,000 U
Ethylbenzene	5*	5.0 U	1.0 U	500 U	1,000 U
m/p-Xylenes	5*	10 U	2.0 U	1,000 U	2,000 U
o-Xylene	5*	5.0 U	1.0 U	500 U	1,000 U
Styrene	5*	5.0 U	1.0 U	500 U	1,000 U
Bromoform	50	5.0 U	1.0 U	500 U	1,000 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	1.0 U	500 U	1,000 U
Total VOCs (minus Carbon Disulfide)		1,529.4	24.04	386,410	306,210
Percent change			-98%		-21%

See notes at end of table.

Table 8
Groundwater Analytical Data
Pre Injection and One-Year Post Injection
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater r Protection Standard (µg/L)	17-05(1)		TRIP BLANK			
SAMPLE DATE		11/15/2017	12/12/2018	5/22/2017	12/11/2018	12/12/2018	12/13/2018
VOCs by USEPA Method 8260							
Chloromethane	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	930	910	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	250 U	40 J	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	50	1,300 U	250 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60	250 U	220	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5*	14,000	1,300	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	250 U	18 J	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5*	79 J	96	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	4,300	6,100	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	50	1,300 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	7	400	50 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5*	900	130	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	32,000	6,500	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	1,300 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	1,300 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	500 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	250 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		52,609	15,094				
Percent change			-71%				

See notes at end of table.

Table 8
Groundwater Analytical Data
Pre Injection and One-Year Post Injection
Bell AerospaceTextron Inc.
Wheatfield, New York

Notes:

All concentrations reported in micrograms per liter ($\mu\text{g/L}$) or parts per billion (ppb).

* = The principal organic contaminant standard for groundwater of 5 $\mu\text{g/L}$ (described elsewhere in this Table) applies to this sul

** = Applies to the sum of cis- and trans-1,3-dichloropropene, CAS Nos. 10061-01-5 and 10061-02-6, respectively.

Shaded = Compound exceeds Groundwater Protection Standard.

U = Compound not detected at detection limit.

Bold = Compound detected at concentration.

J = Indicates an estimated value below detection limit.

D = Compound analyzed at secondary dilution.

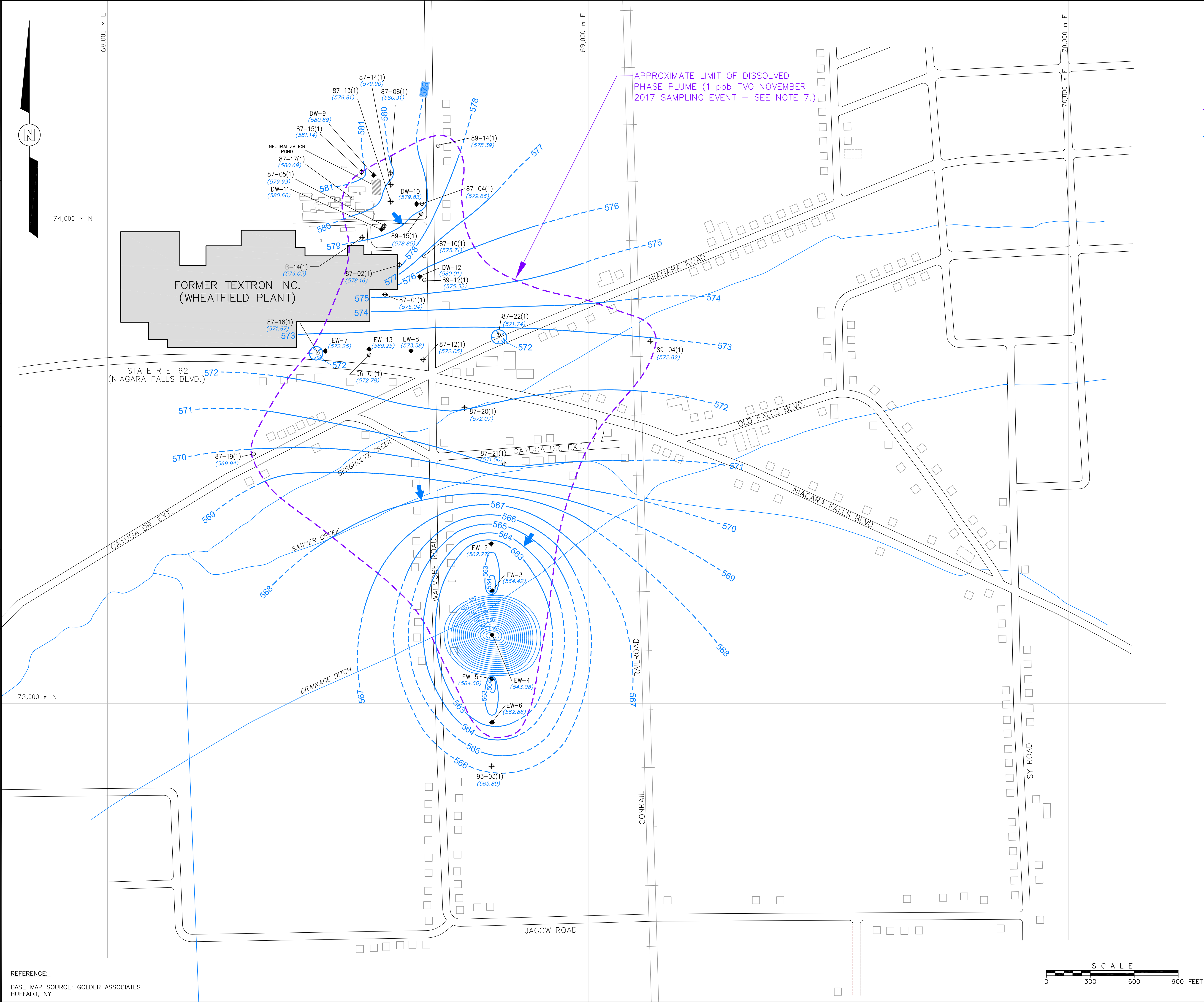
E = Compound exceeds the calibration range.

Figures

FIGURE 1
GROUNDWATER MONITORING PLAN
GAUGE AND SAMPLE LOCATIONS
EVEN NUMBERED YEARS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY



LEGEND:

◆

EXTRACTION WELL OR DNAPL WELL

⊕

MONITORING WELL OR PIEZOMETER

APPROXIMATE LIMIT OF DISSOLVED PHASE PLUME (1 ppb TVO)

—573—

POTENTOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL (DASHED WHERE INFERRED)

(579.66)

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 APRIL 18-19, 2018.
5.

ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.
6.

CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.
7.

TOTAL VOLATILE ORGANIC (TVO) DETECTIONS/MINUS CARBON DISULFIDE.
8.

ON-SITE GROUNDWATER TREATMENT SYSTEM NOT OPERATING (DW-9, DW-10, DW-11, DW-12, EW-7, EW-8, AND EW-13) NOT USED FOR CONTOURS.

APTIM

TEXTRON

NIAGARA FALLS, NEW YORK

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP

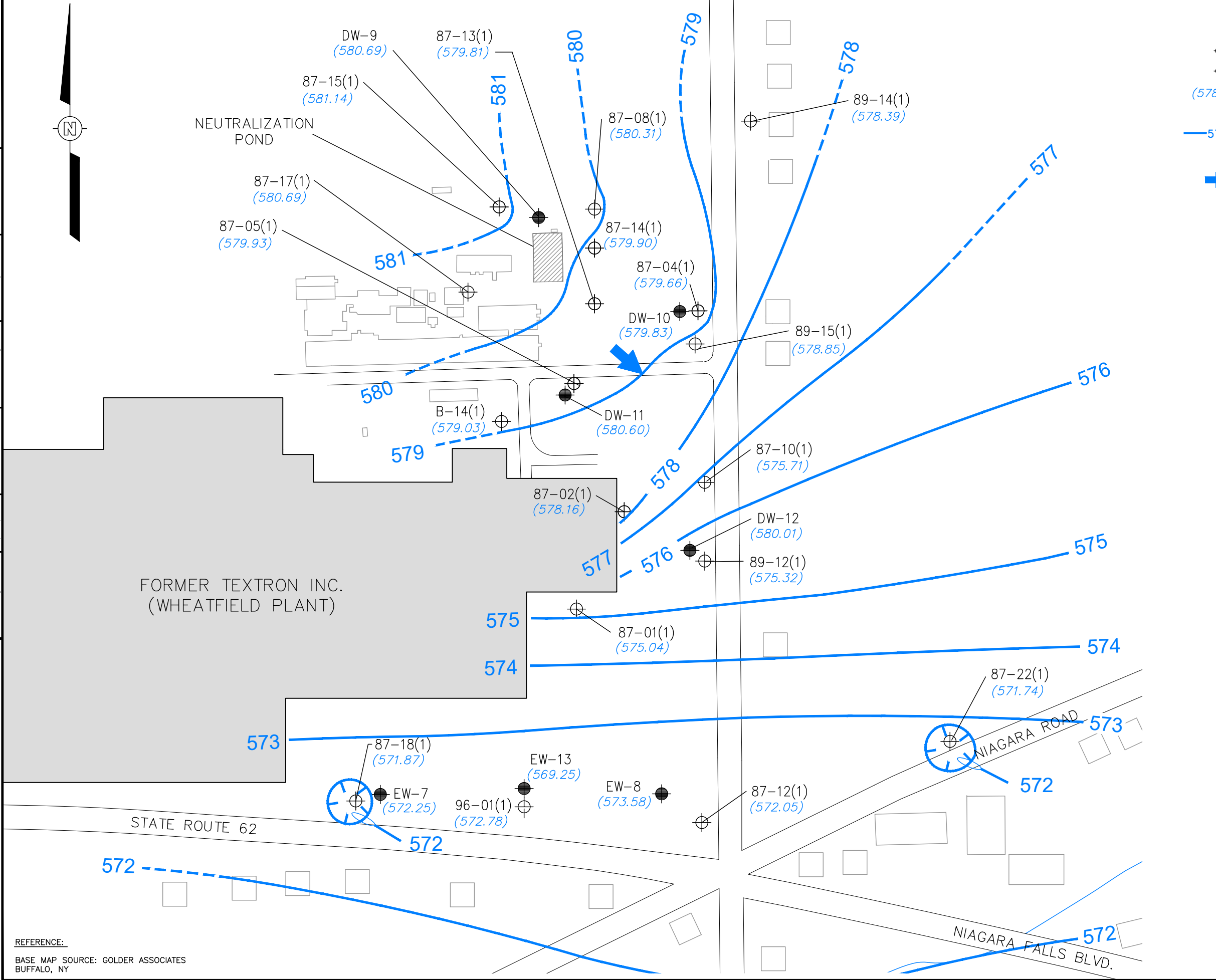
ZONE 1 BEDROCK - APRIL 2018

2221 NIAGARA FALLS BOULEVARD

NIAGARA FALLS, NEW YORK

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Plot Date/Time: Jan 15, 2019 - 1:52pm
Plotted By: Evan.Schlegel

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	1/15/19	--	E. Schlegel	C. Byers	--	156045-B12



LEGEND:

- EXTRACTION WELL OR DNAPL WELL
- ⊕ MONITORING WELL
- (578.85) 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

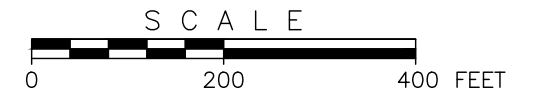
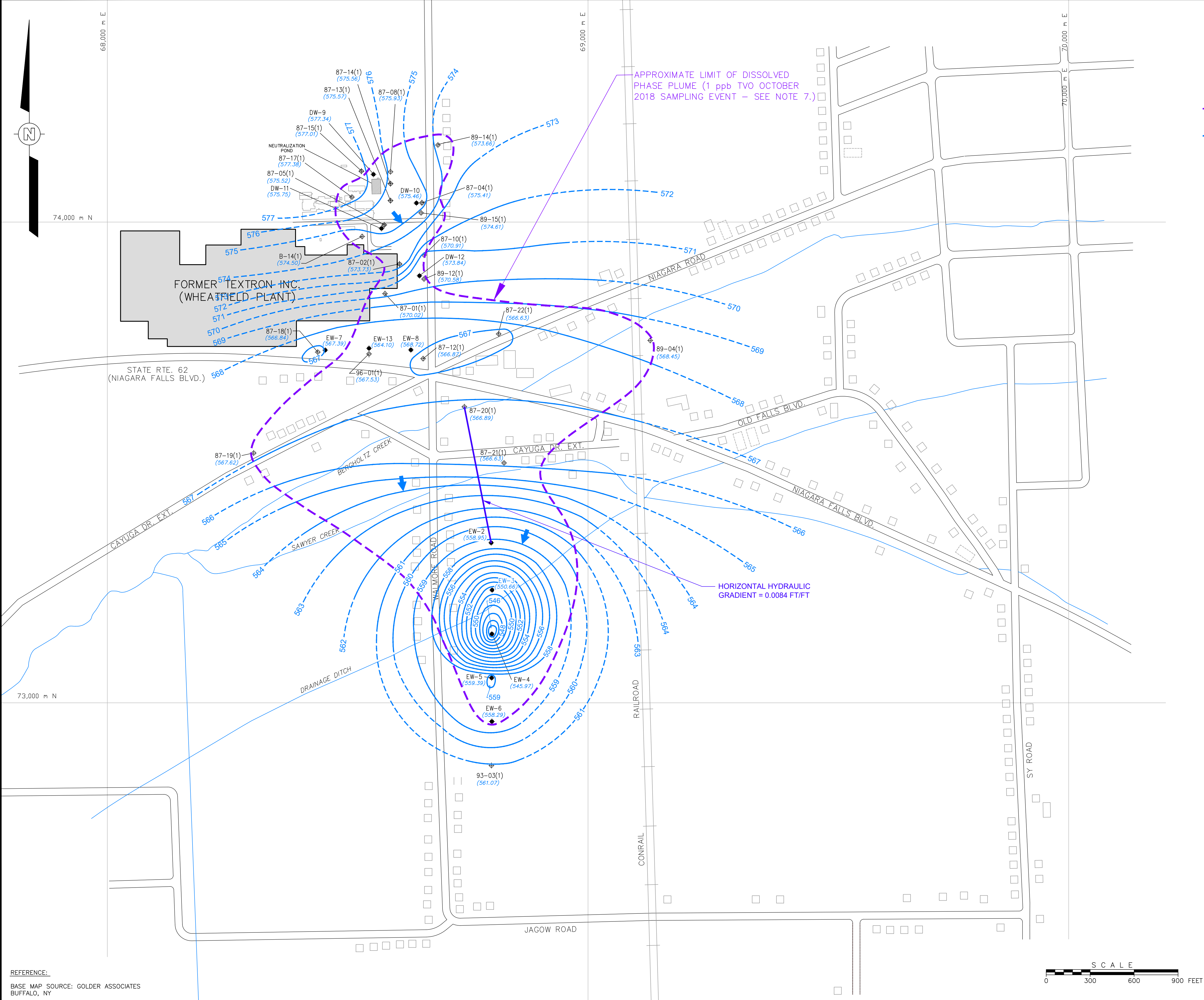


FIGURE 3
ON-SITE GROUNDWATER ELEVATION
CONTOUR MAP, ZONE 1 BEDROCK
APRIL 2018
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK



LEGEND:

◆

EXTRACTION WELL OR DNAPL WELL

⊕

MONITORING WELL OR PIEZOMETER

APPROXIMATE LIMIT OF DISSOLVED PHASE PLUME (1 ppb TVO)

—573—

POTENTIOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL (DASHED WHERE INFERRED)

(570.91)

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 30-31, 2018.
5.

ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.
6.

CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.
7.

TOTAL VOLATILE ORGANIC (TVO) DETECTIONS/MINUS CARBON DISULFIDE.
8.

ON-SITE GROUNDWATER TREATMENT SYSTEM NOT OPERATING (DW-9, DW-10, DW-11, DW-12, EW-7, EW-8, AND EW-13) NOT USED FOR CONTOURS.

APTIM

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NIAGARA FALLS, NEW YORK

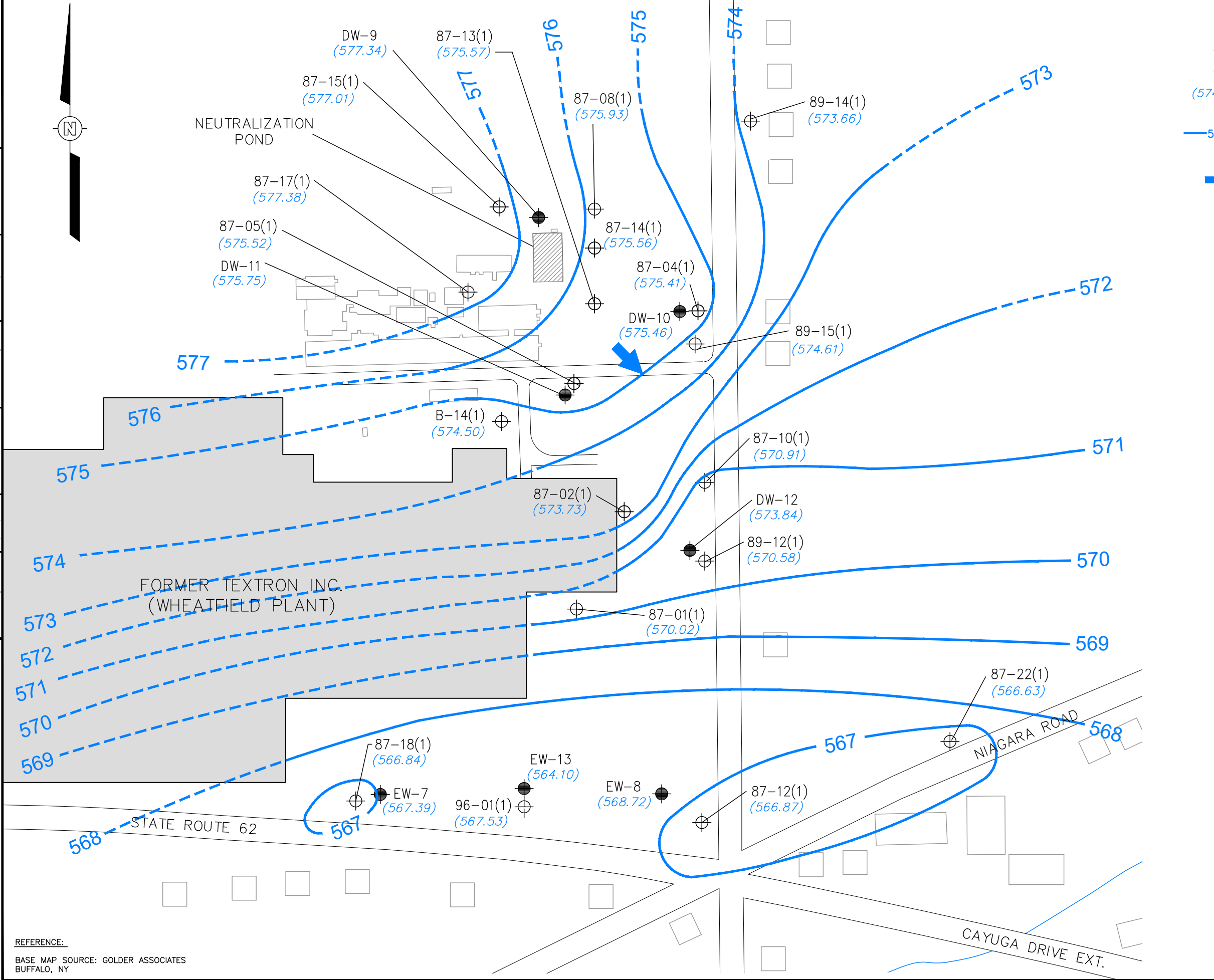
FIGURE 4

GROUNDWATER ELEVATION CONTOUR MAP
ZONE 1 BEDROCK - OCTOBER 2018

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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Pittsburgh, PA	1/15/19	--	E. Schlegel	C. Byers	--	156045-B11



REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

SCALE
0 200 400 FEET

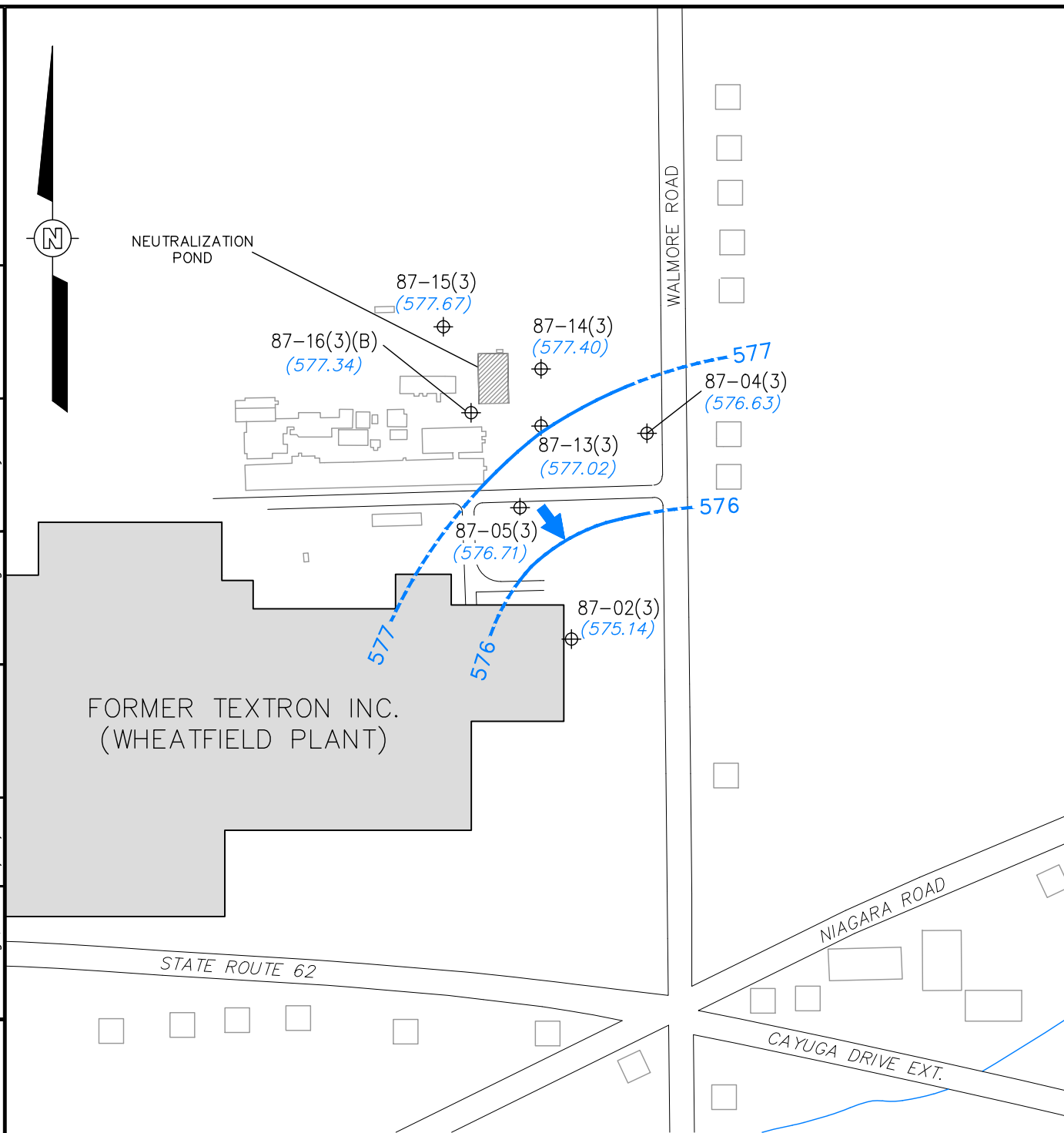


TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 5
ON-SITE GROUNDWATER ELEVATION
CONTOUR MAP, ZONE 1 BEDROCK
OCTOBER 2018
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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 Plotted By: Evan.Schlegel

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	1/10/19	--	E. Schlegel	C. Byers	--	631236330-A1



LEGEND:

-  MONITORING WELL
-  (577.40) 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

REFERENCE:

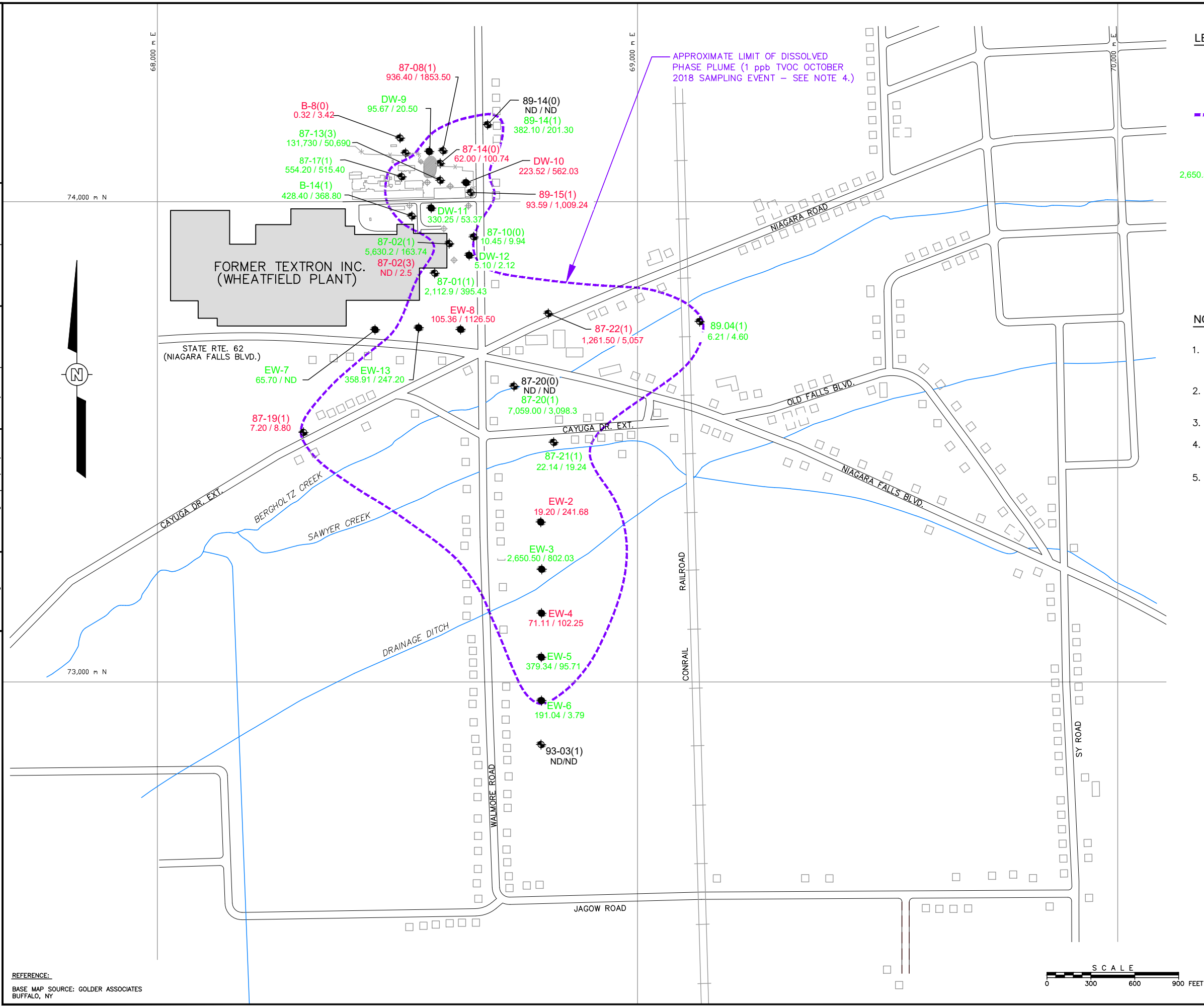
BASE MAP SOURCE: GOLDBER ASSOCIATES
 BUFFALO, NY



FIGURE 6
ON-SITE GROUNDWATER ELEVATION
CONTOUR MAP, ZONE 3 BEDROCK
OCTOBER 2018
 2221 NIAGARA FALLS BOULEVARD
 NIAGARA FALLS, NEW YORK

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Plot Date/Time: Jan 15, 2019 - 1:57pm
Plotted By: Even-Schlegel

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	E. Schlegel	C. Byers		631236330-D7



- LEGEND:
- EXTRACTION WELL OR DNAPL WELL
 - MONITORING WELL OR PIEZOMETER
 - BIO-REMEDICATION PROGRAM WELLS
 - APPROXIMATE LIMIT OF DISSOLVED PHASE PLUME (1 ppb TVO)
 - EW-2 INCREASE IN TVOC CONCENTRATION
 - EW-3 DECREASE IN TVOC CONCENTRATION
 - 2,650.50 / 802.03 2017 TVOC CONCENTRATION / 2018 TVOC CONCENTRATION

- NOTES:
- GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.
 - REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.
 - WELL LOCATIONS SHOWN ARE APPROXIMATE.
 - TOTAL VOLATILE ORGANIC COMPOUND (TVOC) DETECTIONS/MINUS CARBON DISULFIDE.
 - ALL CONCENTRATIONS ARE REPORTED IN $\mu\text{g/L}$ OR ppb.



NIAGARA FALLS, NEW YORK

FIGURE 7

CHANGES IN TVOC CONCENTRATIONS
OCTOBER 2018

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK



Figure 8

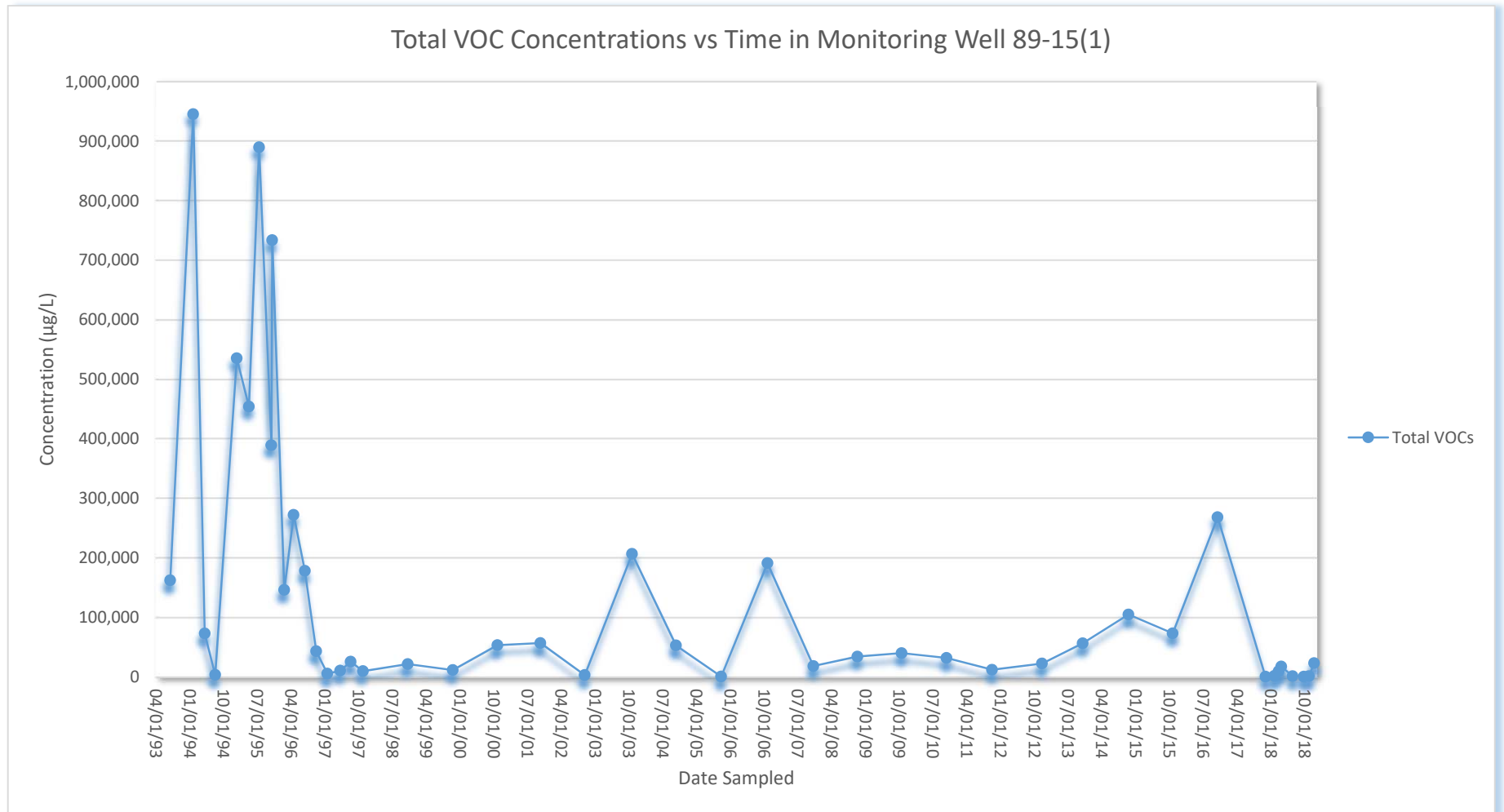


Figure 9

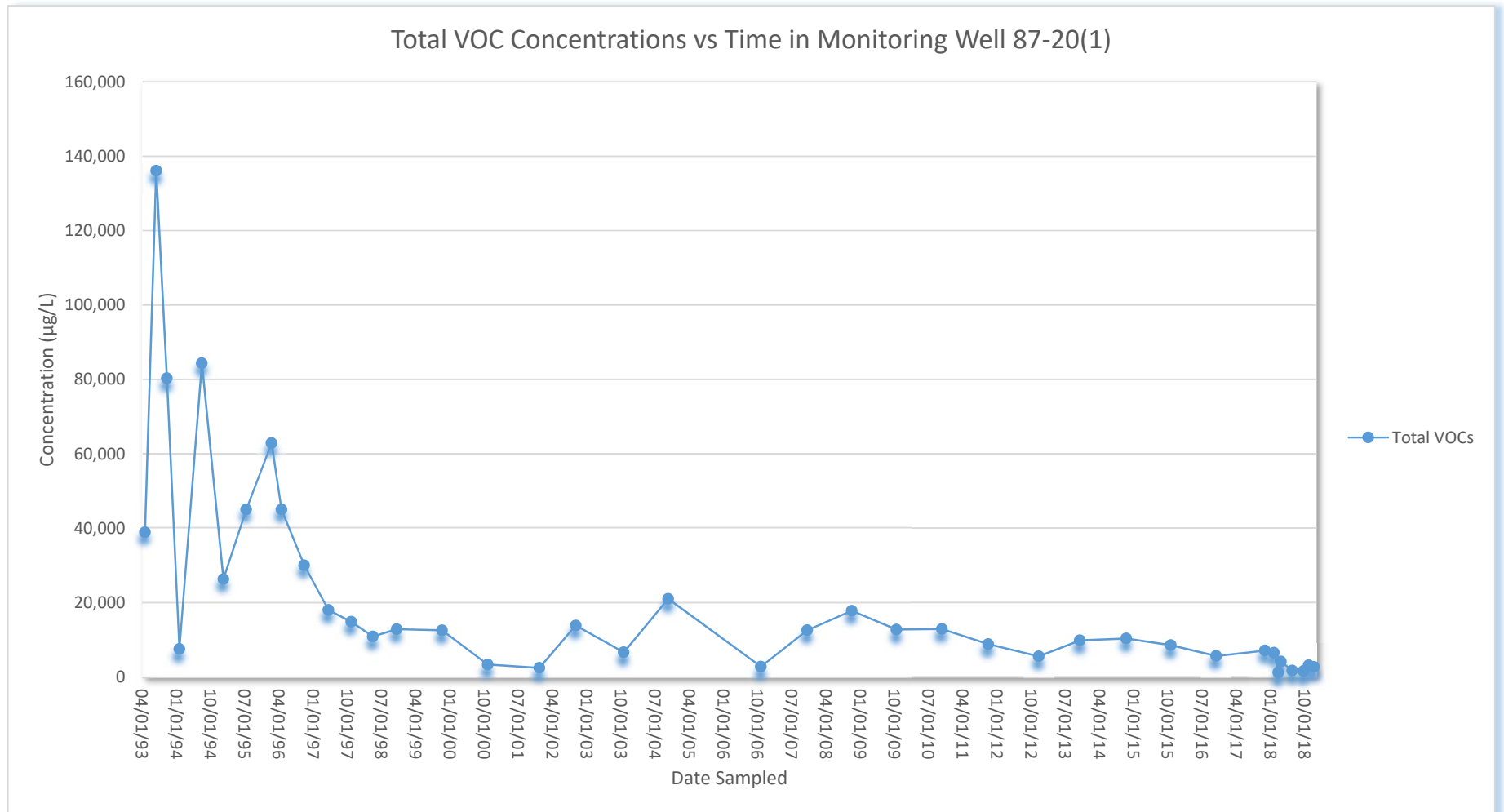
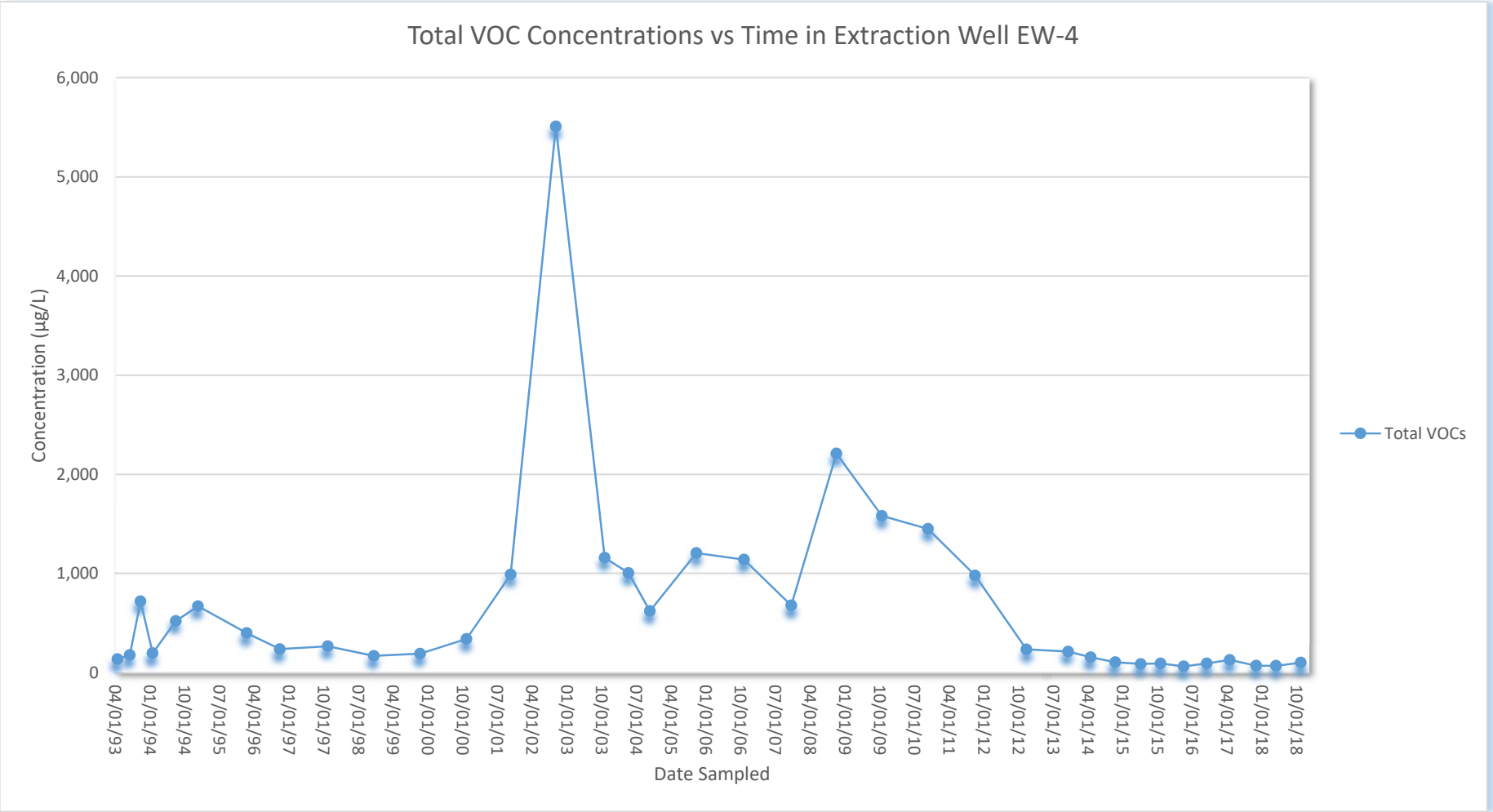
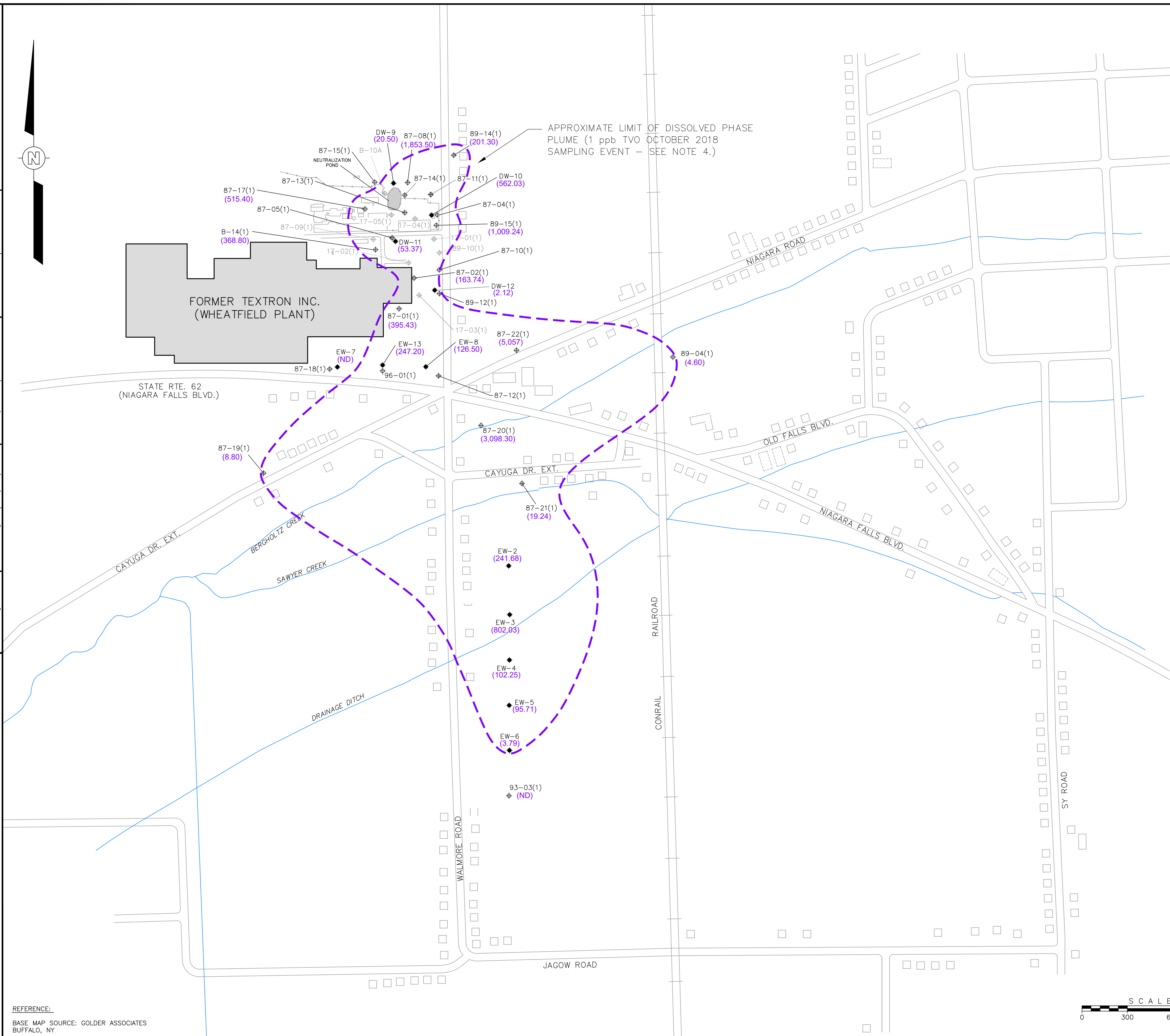
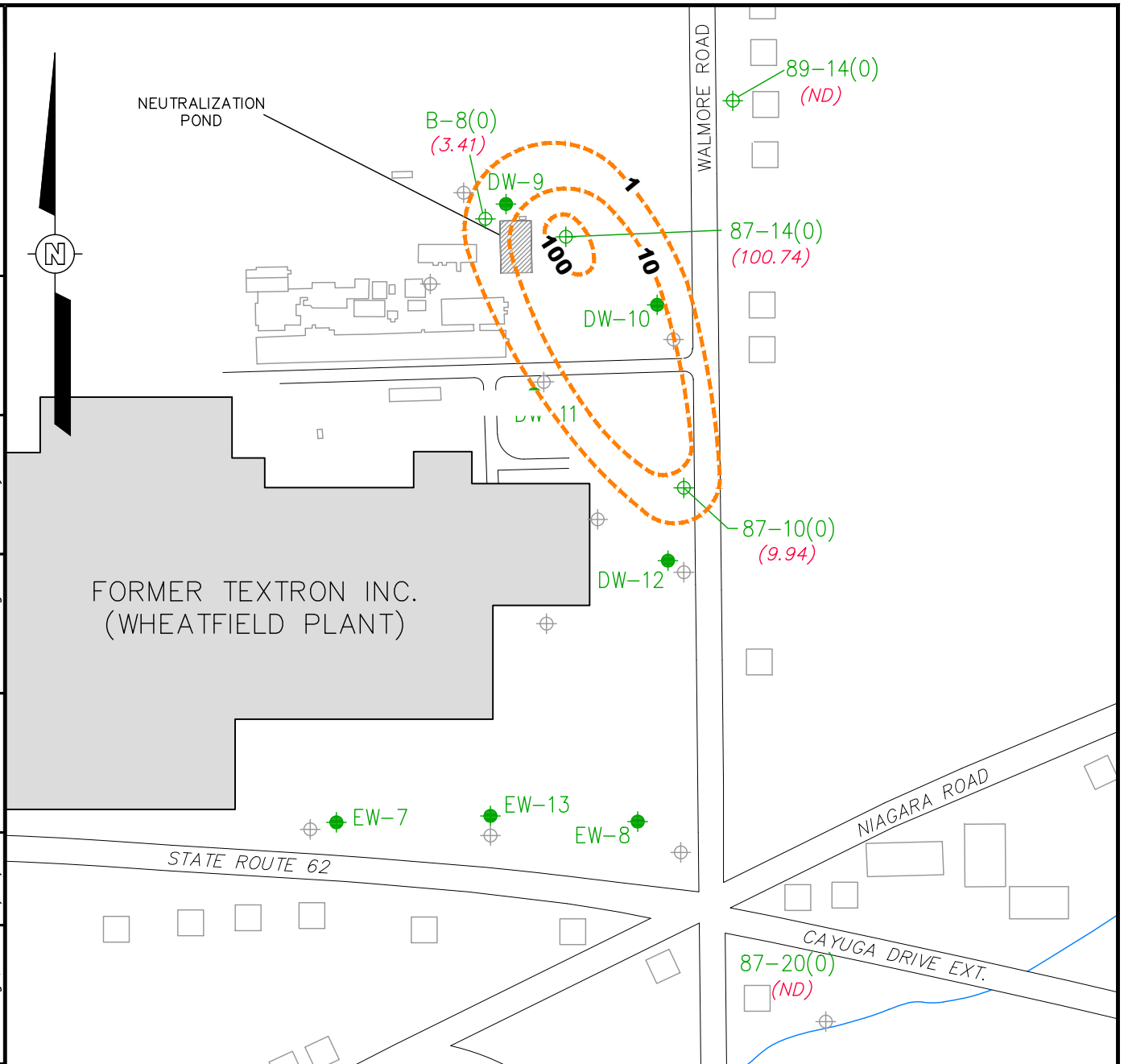


Figure 10





OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	1/10/19	--	E. Schlegel	C. Byers	--	631236330-A1



LEGEND:

- MONITORING WELL OVERBURDEN
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- MONITORING WELL (ZONE 1)
- (0.32) TVO CONCENTRATION IN $\mu\text{g/L}$ OR ppb
- (ND) NOT DETECTED

NOTES:

- GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.
- REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.
- WELL LOCATIONS SHOWN ARE APPROXIMATE.
- CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.
- TOTAL VOLATILE ORGANIC (TVO) DETECTIONS/MINUS CARBON DISULFIDE.



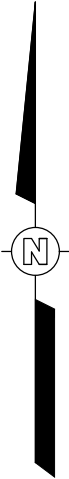
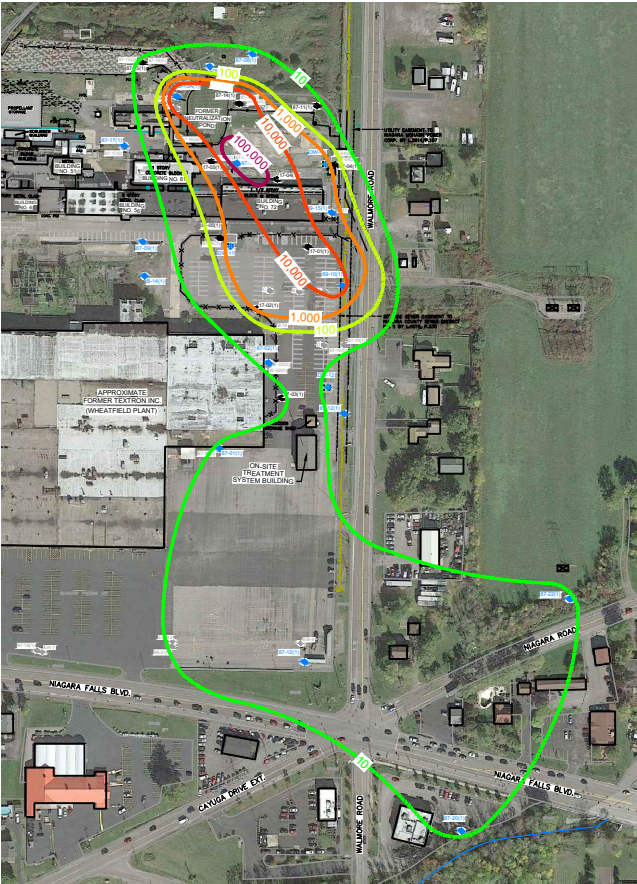
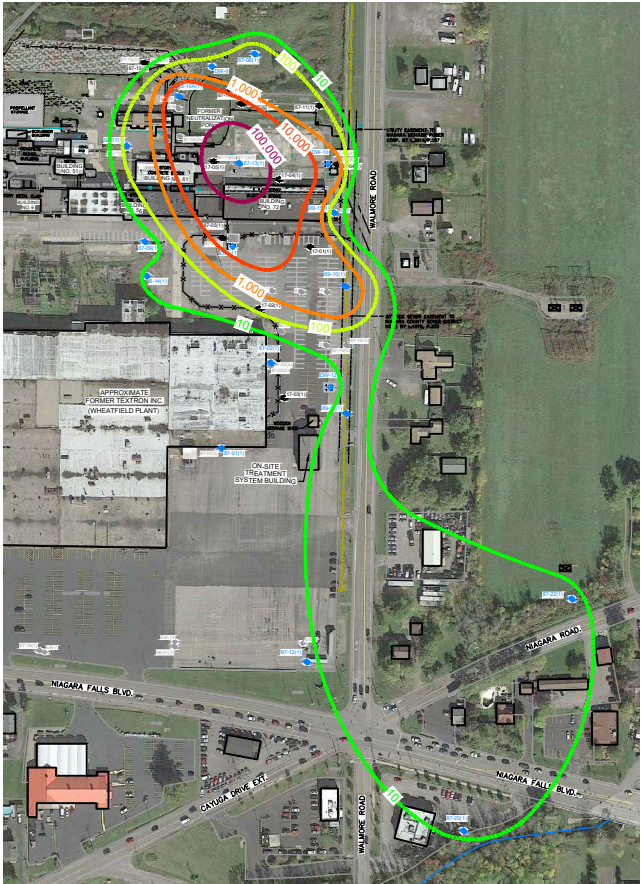
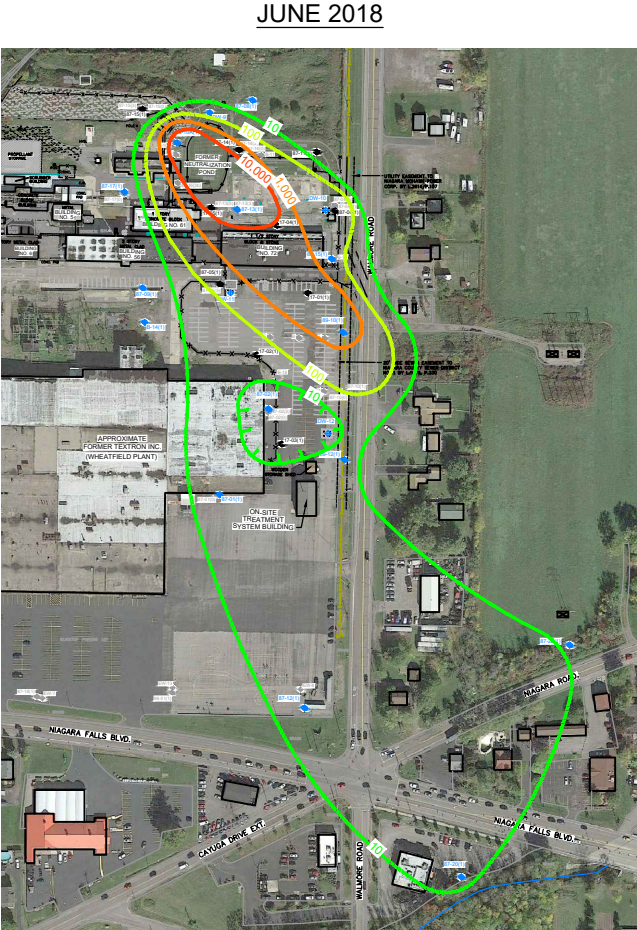
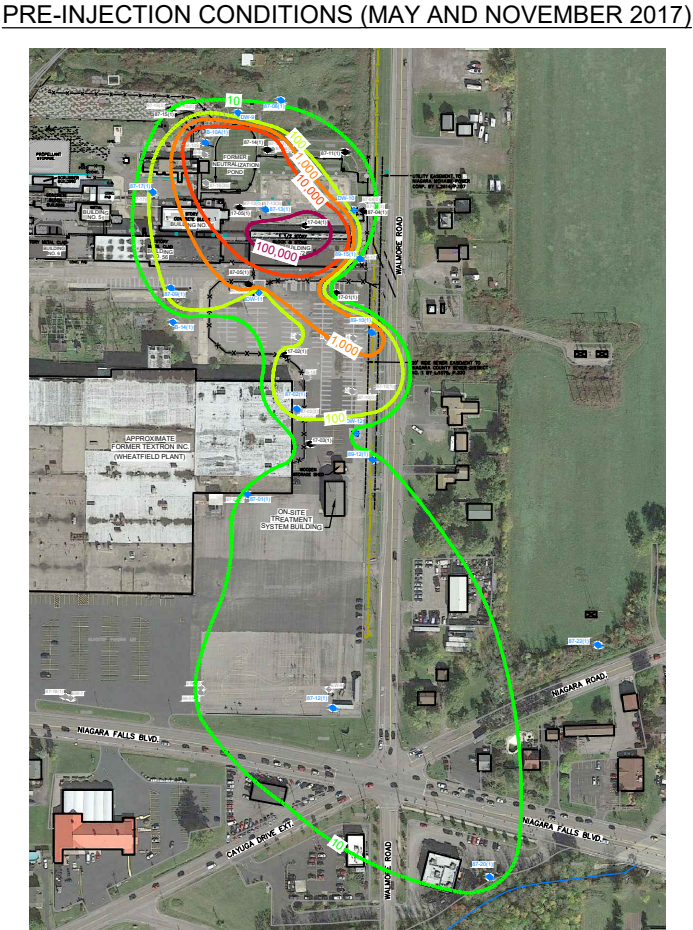
FIGURE 12

DISSOLVED PHASE PLUME MAP
OVERBURDEN - OCTOBER 2018

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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Plot Date/Time: Feb 21, 2019 - 11:44am
Plotted By: Evan Schlegel

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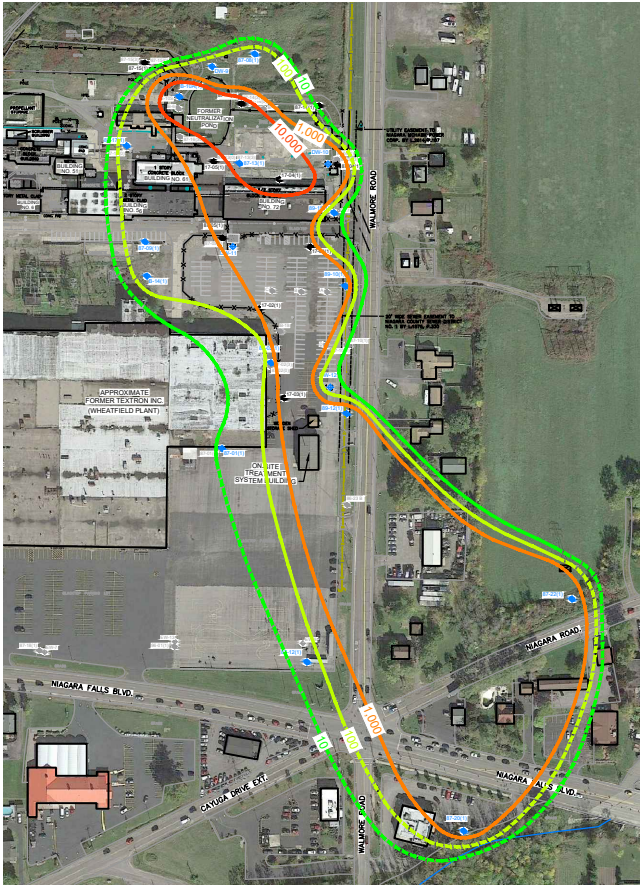
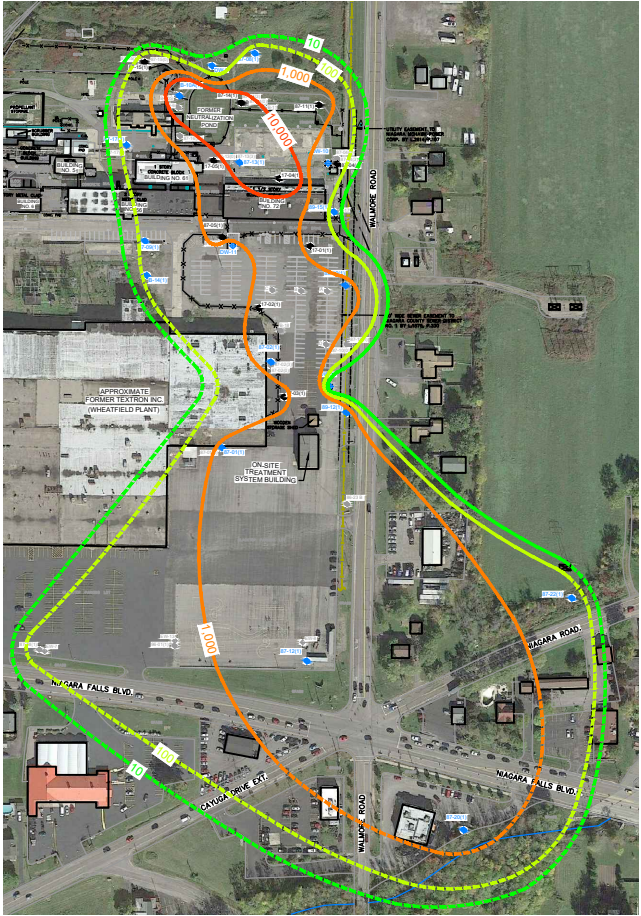
- LEGEND:
- INJECTION LOCATION (ZONE 1)
 - EXTRACTION WELL OR DNAPL WELL (ZONE 1)
 - ZONE 1 MONITORING WELL
 - MONITORING WELL NOT USED IN MONITORING PROGRAM
 - MANHOLE
 - CATCH BASIN
 - APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
 - 1,000 TRICHLOROETHENE ISOCONCENTRATION CONTOUR (ppb, DASHED WHERE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

Concentration (ppb)	TCE	
	Pre-Injection Area in Sq. Ft.	December 2018 Area in Sq. Ft.
10	713,810	688,281
100	191,132	162,818
1,000	111,687	122,833
10,000	70,288	57,860
100,000	12,325	5,352



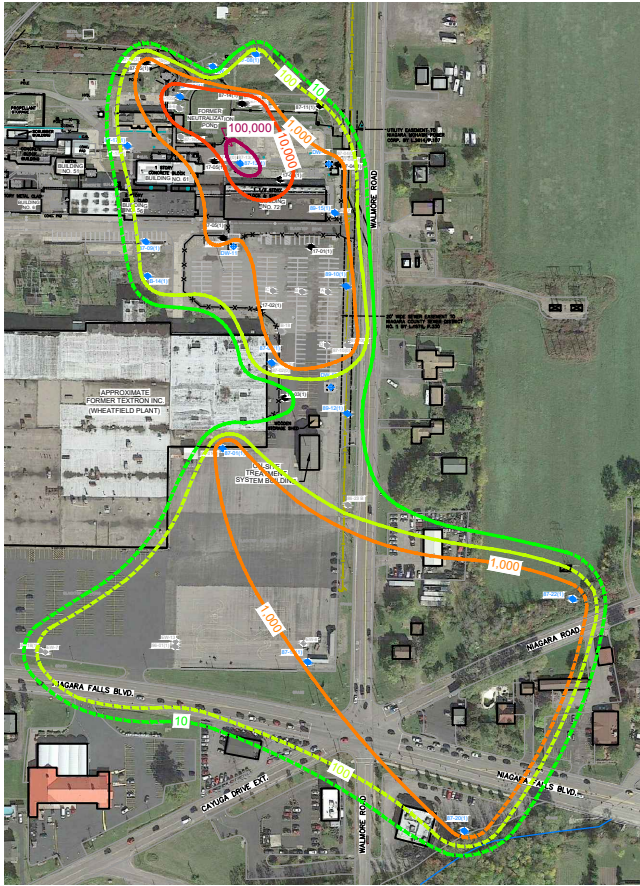
FIGURE 13
TRICHLOROETHENE CONCENTRATION MAP
ZONE 1 BEDROCK - PRE-INJECTION CONDITIONS
THROUGH DECEMBER 2018
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)

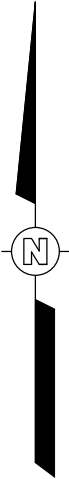


SEPTEMBER 2018

JUNE 2018



DECEMBER 2018



- 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
 - CIS-1,2-DCE ISOCONCENTRATION CONTOUR (ppb, DASHED WHERE INFERRED)

Concentration (ppb)	Cis-1,2-DCE	
	Pre-Injection Area in Sq. FT.	December 2018 Area in Sq. Ft.
10	1,248,612	954,594
100	1,081,305	784,576
1,000	613,722	452,785
10,000	37,160	37,717
100,000	0	3,492

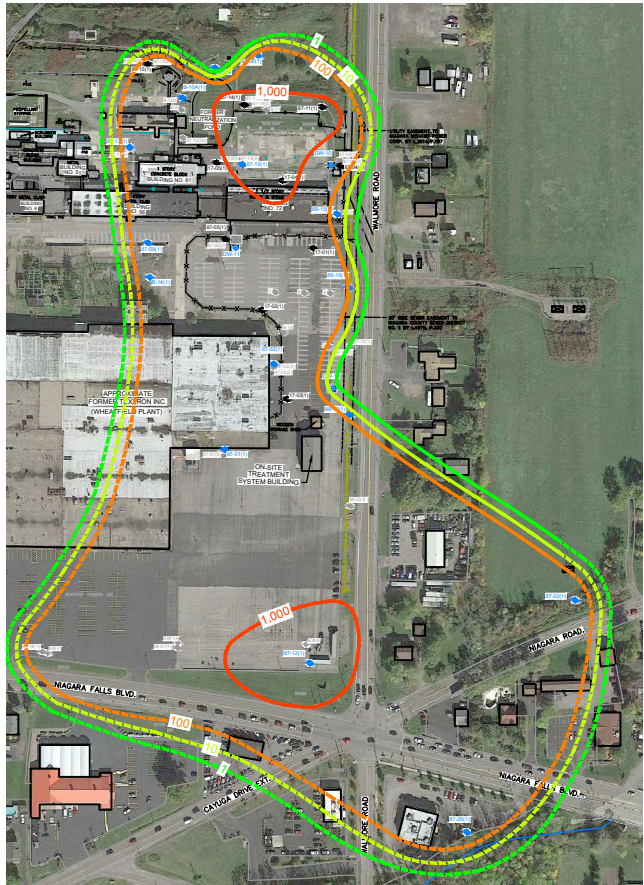


FIGURE 14
CIS-1,2-DCE CONCENTRATION MAP
ZONE 1 BEDROCK - PRE-INJECTION CONDITIONS
THROUGH DECEMBER 2018
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

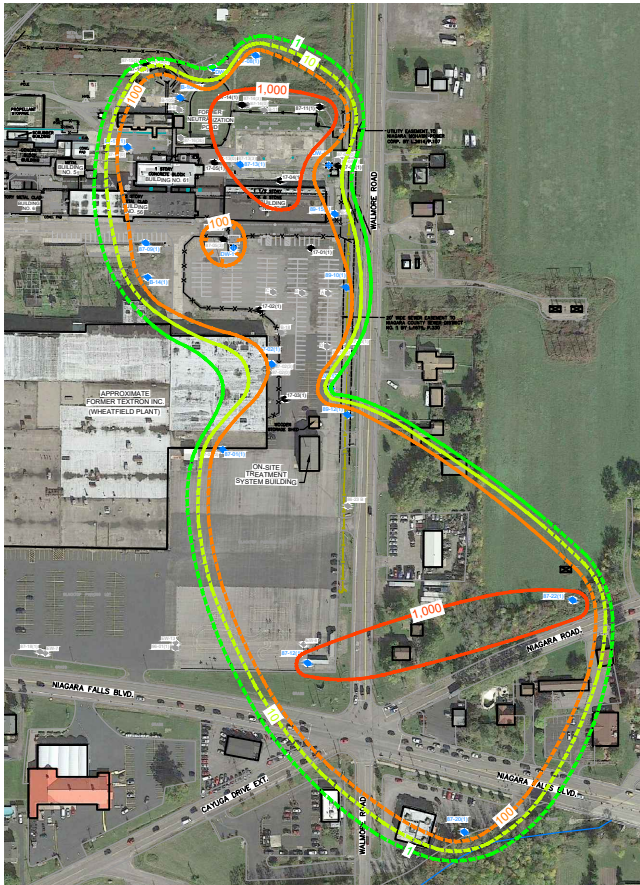
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Plot Date/Time: Apr 25, 2019 - 4:06pm
Plotted By: Evan.Schlegel

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
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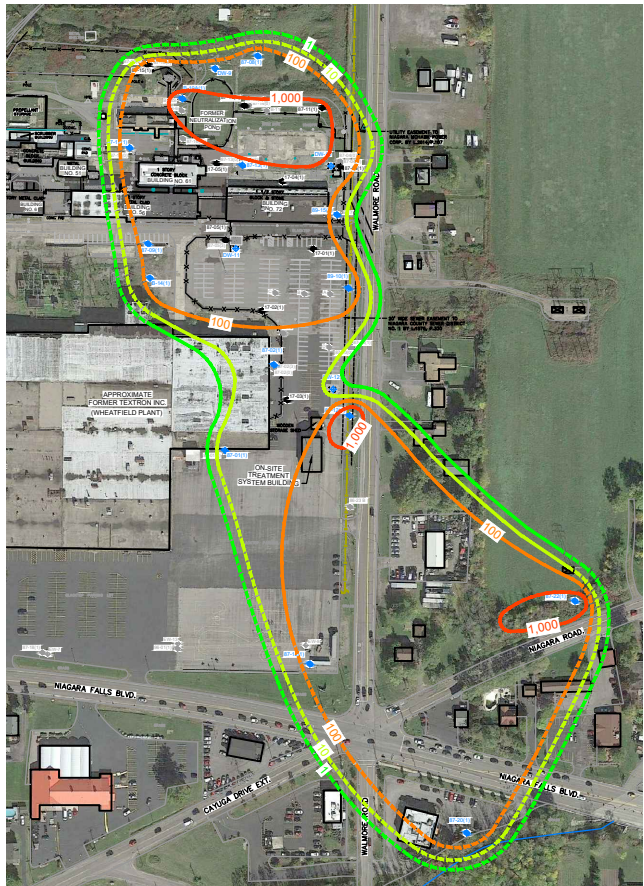
PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



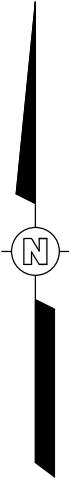
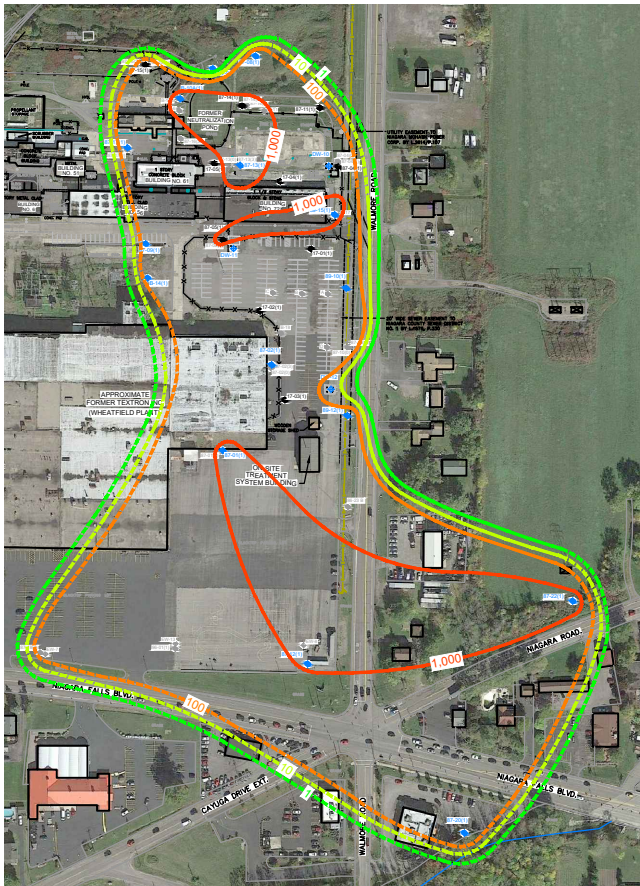
JUNE 2018



SEPTEMBER 2018



DECEMBER 2018



- 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 (ppb, DASHED WHERE INFERRED)

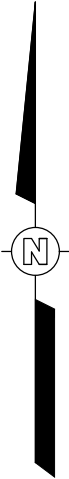
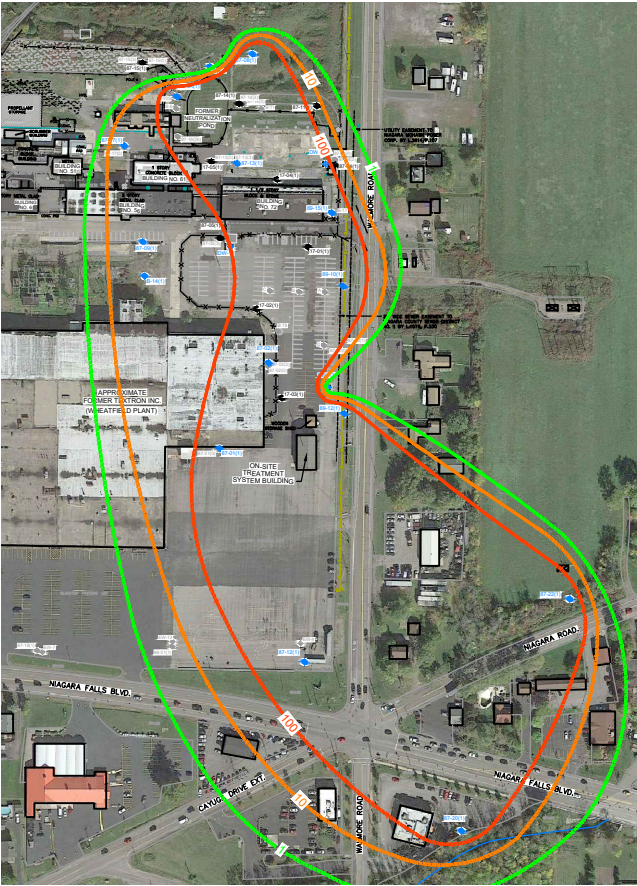
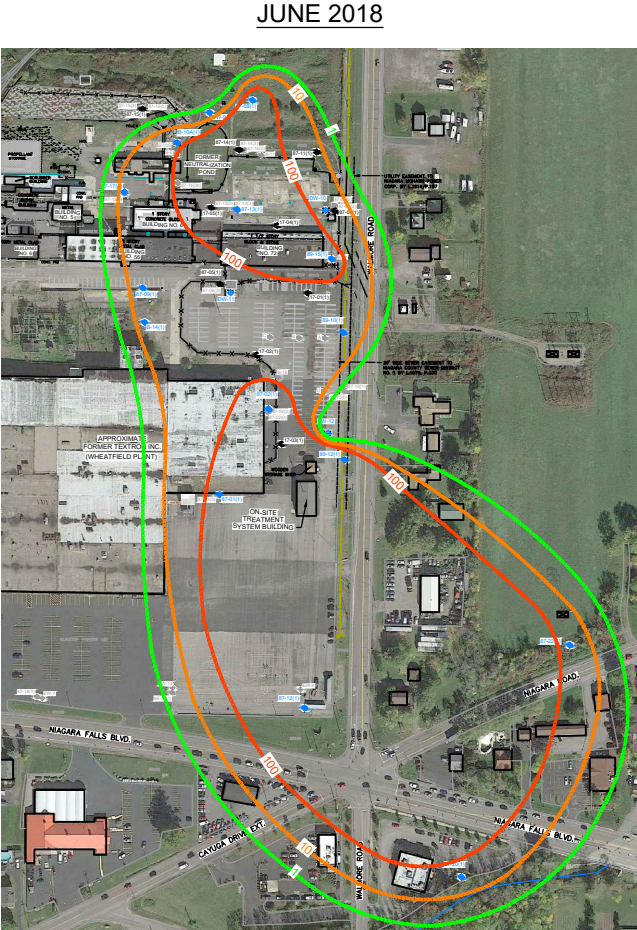
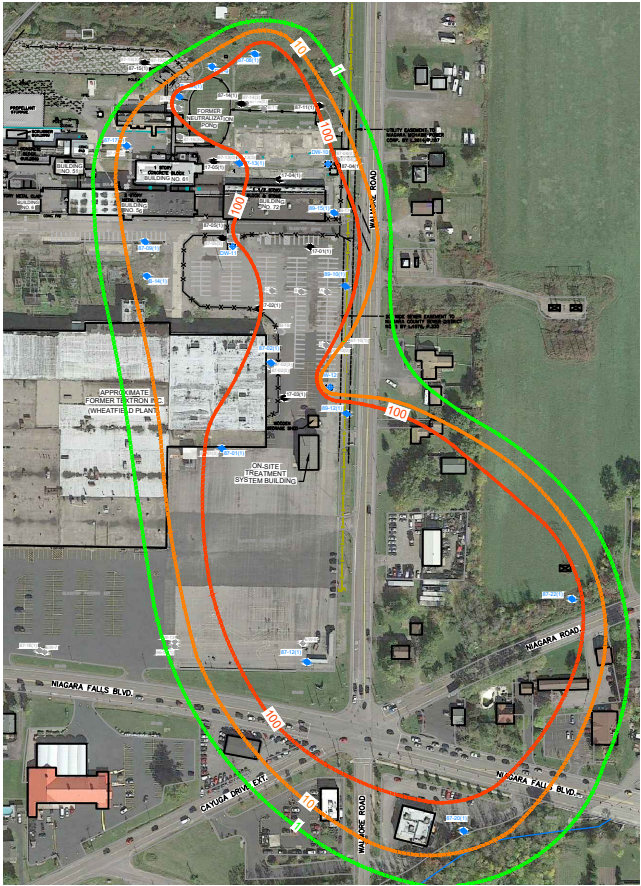
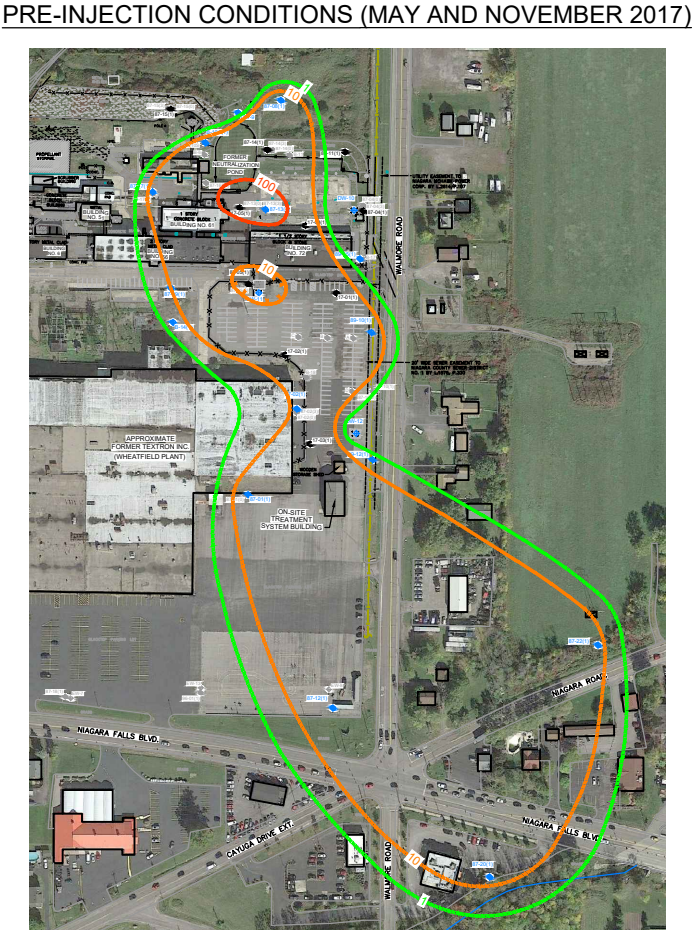
Vinyl Chloride		
Concentration (ppb)	Pre-Injection Area in Sq. Ft.	December 2018 Area in Sq. Ft.
1	1,234,394	1,101,629
10	1,125,368	1,011,671
100	1,018,847	925,212
1,000	88,894	198,167



FIGURE 15
VINYL CHLORIDE CONCENTRATION MAP
ZONE 1 BEDROCK - PRE-INJECTION CONDITIONS
THROUGH DECEMBER 2018
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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Plotted By: Evan.Schlegel

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Pittsburgh, PA	1/23/19	--	E. Schlegel	C. Byers	--	631232612-B15



- 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
 - ETHENE ISOCONCENTRATION CONTOUR (ppb, DASHED WHERE INFERRED)

Concentration (ppb)	Ethene	
	Pre-Injection Area in Sq. Ft.	December 2018 Area in Sq. Ft.
1	867,942	1,252,702
10	658,814	1,005,239
100	10,230	690,348

NOTE:

ETHENE IS THE FINAL DAUGHTER PRODUCT OF TRICHLOROETHENE (TCE) DEGRADATION AND ITS PRESENCE INDICATES COMPLETE REDUCTIVE DECHLORINATION.

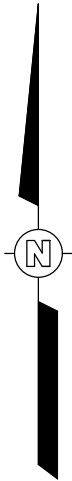
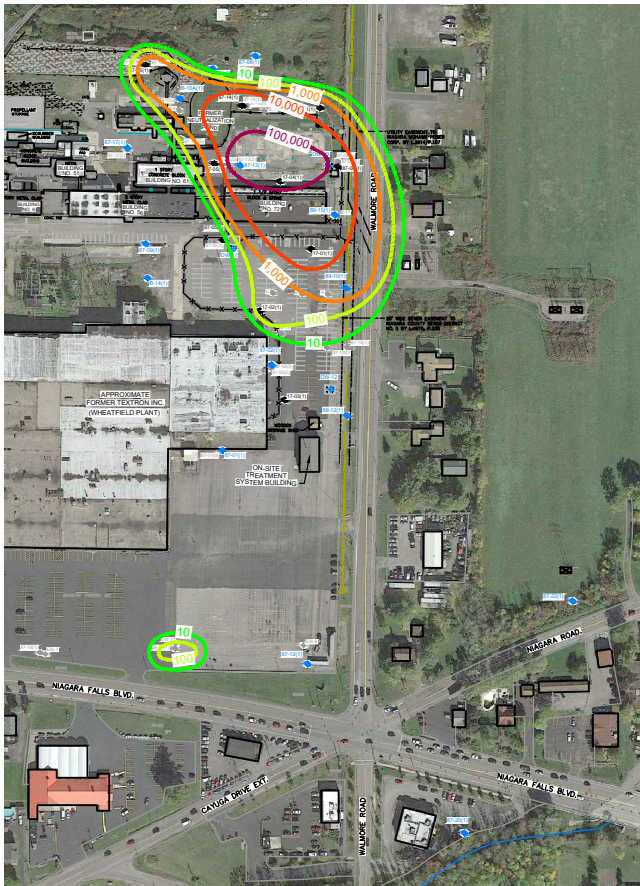
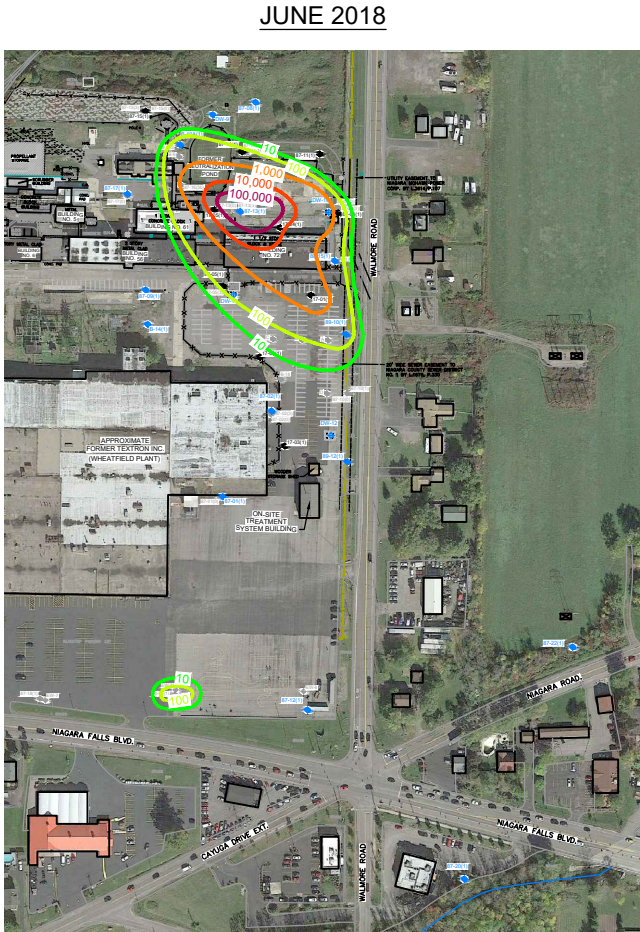
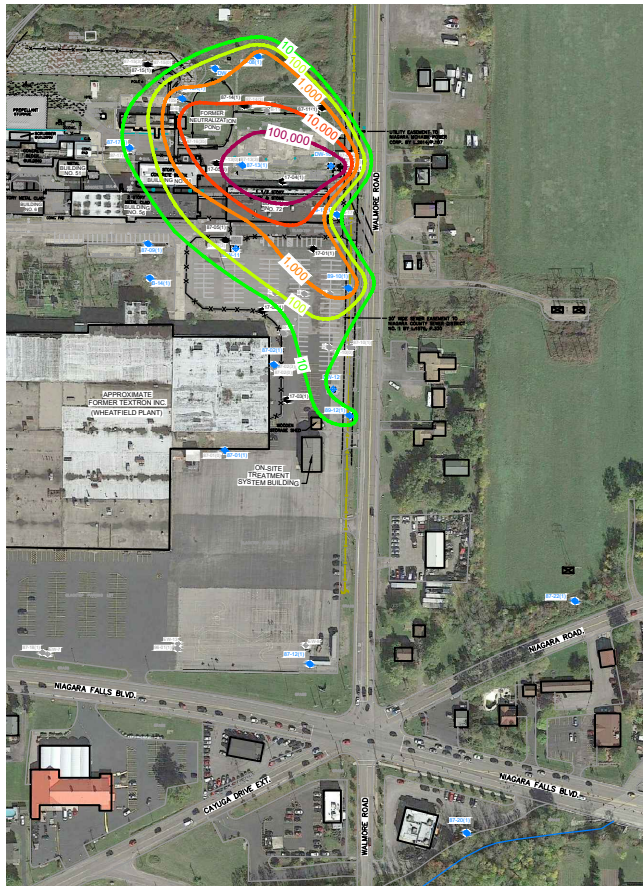
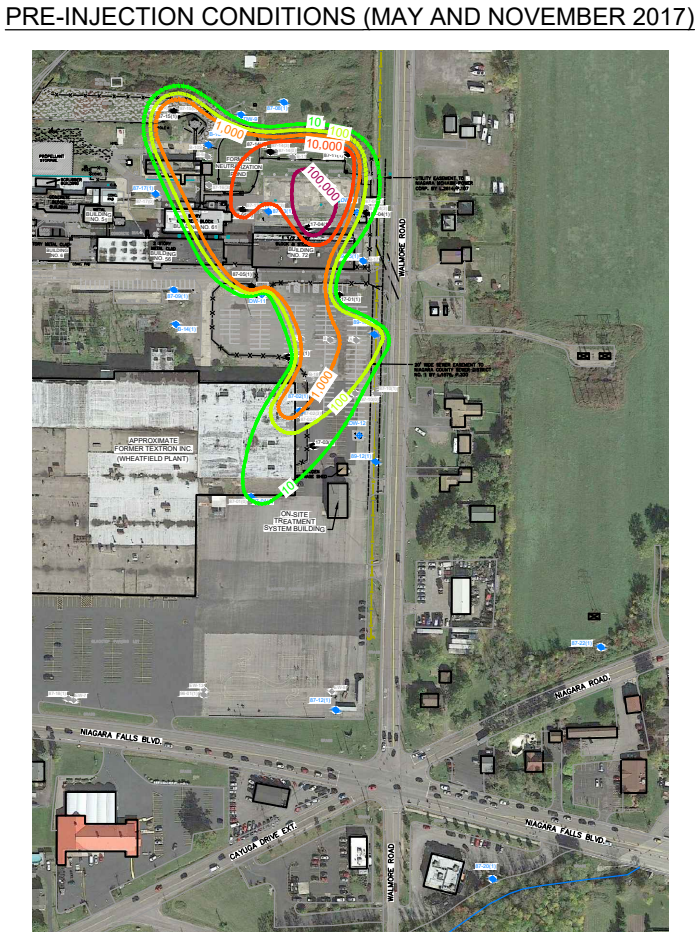




FIGURE 16
ETHENE CONCENTRATION MAP
ZONE 1 BEDROCK - PRE-INJECTION CONDITIONS
THROUGH DECEMBER 2018
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: \\Pitpfs01\cod\Shaw Offices - CAD Files\Latham, NY\TEXTRON\631232612-B16-2.dwg
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Pittsburgh, PA	1/23/19	--	E. Schlegel	C. Byers	--	631232612-B16



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
- METHYLENE CHLORIDE ISOCONCENTRATION CONTOUR (ppb, DASHED WHERE INFERRED)

Methylene Chloride		
Concentration (ppb)	Pre-Injection Area in Sq. Ft.	December 2018 Area in Sq. Ft.
10	219,238	223,872
100	167,677	180,532
1,000	129,695	137,827
10,000	39,641	78,803
100,000	9,596	19,004



FIGURE 17
METHYLENE CHLORIDE CONCENTRATION MAP
ZONE 1 BEDROCK - PRE-INJECTION CONDITIONS
THROUGH DECEMBER 2018
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

Appendix A

NYSDEC Correspondence

Byers, Cecelia

From: Stanley Radon [sfradon@gw.dec.state.ny.us]
Sent: Monday, July 22, 2013 9:42 AM
To: Byers, Cecelia
Cc: Sadowski, Brian; Simpson, Greg - Corporate EHS; Weiss, Dennis
Subject: Re: Textron Wheatfield Response Letter - Prolonged Shutdown of EW-5

Cecelia,

The Department approves of the proposal contained in your July 19, 2013 letter to remove EW-5 from the extraction system until April 2014. The Department looks forward to assessing the results of this study.

Thanks,

Stan

Stanley Radon, CPG
Senior Engineering Geologist
NYS DEC
270 Michigan Avenue
Buffalo, NY 14203-2915
sfradon@gw.dec.state.ny.us
(716)851-7220 ph.
(716)851-7226 fax

>>> "Byers, Cecelia" <cecelia.byers@cbl.com> 7/22/2013 9:26 AM >>>

Stan -

Attached is our response letter regarding the prolonged shutdown of extraction well EW-5 submitted on behalf of Textron. Hard copies were sent out via UPS to Brian Sadowski and Dennis Weiss.

Please feel free to contact me at the numbers listed below if you have any questions regarding this response letter.

Thanks,
Cecelia



Cecelia Byers
Project Manager 1
Environmental and Infrastructure
Tel: 1 +412-858-3977
Cell: 1+ 518-281-2034
Fax: 1+412-372-8968
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

May 23, 2017

Mr. Gregory L. Simpson
Senior Project Manager
Textron
40 Westminster Street
Providence, Rhode Island 02903

Dear Mr. Simpson:

Textron, Inc., Wheatfield, Site # 932052 Off-Site System Performance Review

The New York State Department of Environmental Conservation (Department) has reviewed the Off-Site System Performance Review Report (May 17, 2017) for the former Textron facility located in Wheatfield, New York.

The Department agrees with the recommendation that Extraction Well EW-5 remain offline. In the event that future groundwater monitoring indicates that the plume has expanded in a southerly direction, then the Department will request reactivation of EW-5.

Thank you for your continued cooperation regarding the management of this site. If you have any questions, please call me at (716) 851-7220.

Sincerely,



Stanley Radon
Engineering Geologist 2

SR/bb

ec: Chad Staniszewski, DEC
Brian Sadowski, DEC
Cecelia Byers, Shaw Environmental



Department of
Environmental
Conservation

Appendix B

Well Inspection Forms

Well Inspection Form
 Textron, Inc.
 Wheatfield, New York

Well Designation: B-8(0)

Date of Inspection: 10/ 3/ 2018 (month/day/year)

Time of Inspection: 1200

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
Well Condition	Flagging Visibility (if applicable)			OUTER PVC CASING WIGGLES		
	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					

Status: U - Unacceptable
 A - Acceptable
 NA - Not applicable

Well Inspection Form
 Textron, Inc.
 Wheatfield, New York

Well Designation:

B-14(1)

Date of Inspection:

10/ 30 /2018

(month/day/year)

Time of Inspection:

1725

Inspector's Name:

Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form
 Textron, Inc.
 Wheatfield, New York

Well Designation: DW-9

Date of Inspection: 10/ 31 /2018 (month/day/year)

Time of Inspection: 1155

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
 A - Acceptable
 NA - Not applicable

Well Inspection FormTextron, Inc.
Wheatfield, New York

Well Designation: DW-10

Date of Inspection: 10/ 31 /2018 (month/day/year)

Time of Inspection: 1010

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: DW-11Date of Inspection: 10/ 31 /2018 (month/day/year)Time of Inspection: 0920Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: DW-12Date of Inspection: 10/ 31 /2018 (month/day/year)Time of Inspection: 0840Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: EW-2

Date of Inspection: 10/ 30 /2018 (month/day/year)

Time of Inspection: 1300

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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		✓	} N/A		
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: EW-3Date of Inspection: 10/ 30 /2018 (month/day/year)Time of Inspection: 1235Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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			} N/A		
	Lock in Place					
	Lock Functional					
	Other					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: EW-4

Date of Inspection: 10/ 30 /2018 (month/day/year)

Time of Inspection: 1220

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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			} N/A		
	Lock in Place					
	Lock Functional					
	Other					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form
 Textron, Inc.
 Wheatfield, New York

Well Designation: EW-5

Date of Inspection: 10/ 30 /2018 (month/day/year)

Time of Inspection: 1145

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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			} N/A		
	Lock in Place					
	Lock Functional					
	Other					

Status: U - Unacceptable
 A - Acceptable
 NA - Not applicable

Well Inspection Form
 Textron, Inc.
 Wheatfield, New York

Well Designation: EW-6
 Date of Inspection: 10/ 30 /2018 (month/day/year)
 Time of Inspection: 1050
 Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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			} N/A		
	Lock in Place					
	Lock Functional					
	Other					

Status: U - Unacceptable
 A - Acceptable
 NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: EW-7Date of Inspection: 10/ 31 /2018 (month/day/year)Time of Inspection: 0745Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
Well Condition	Flagging Visibility (if applicable)			SURFACE WATER IN VAULT FLOWING DOWN WELL CASING		
	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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form
 Textron, Inc.
 Wheatfield, New York

Well Designation: EW-8

Date of Inspection: 10/ 31 /2018 (month/day/year)

Time of Inspection: 0820

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
 A - Acceptable
 NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: EW-13Date of Inspection: 10/ 31 /2018 (month/day/year)Time of Inspection: 0800Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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			} N/A		
	Lock in Place					
	Lock Functional					
	Other					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection FormTextron, Inc.
Wheatfield, New York

Well Designation: MW 87-01(1)

Date of Inspection: 10/ 30 /2018 (month/day/year)

Time of Inspection: 1015

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87-02(1)

Date of Inspection: 10/ 30 /2018 (month/day/year)

Time of Inspection: 0945

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87-02(3)

Date of Inspection: 10/ 30 /2018 (month/day/year)

Time of Inspection: 0945

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87-08(1)

Date of Inspection: 10/ 31 /2018 (month/day/year)

Time of Inspection: 1130

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87-10(0)

Date of Inspection: 10/ 3/ 2018 (month/day/year)

Time of Inspection: 1130

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87 - 13(3)

Date of Inspection: 10/ 31 /2018 (month/day/year)

Time of Inspection: 1040

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection FormTextron, Inc.
Wheatfield, New York

Well Designation: MW 87-14(0)
Date of Inspection: 10/ 3/ 2018 (month/day/year)
Time of Inspection: 1115
Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection FormTextron, Inc.
Wheatfield, New York

Well Designation: MW 87-17(1)
Date of Inspection: 10/ 31 /2018 (month/day/year)
Time of Inspection: 1300
Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87-19(1)

Date of Inspection: 10/ 30 /2018 (month/day/year)

Time of Inspection: 1600

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87-20(0)
Date of Inspection: 10/ 30 /2018 (month/day/year)
Time of Inspection: 1430
Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87-20(1)

Date of Inspection: 10/ 30 /2018 (month/day/year)

Time of Inspection: 1430

Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 87-20(1)Date of Inspection: 10/ 30 /2018 (month/day/year)Time of Inspection: 1625Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection FormTextron, Inc.
Wheatfield, New York

Well Designation: MW 87-22(1)
Date of Inspection: 10/ 30 /2018 (month/day/year)
Time of Inspection: 1540
Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 89-04(1)Date of Inspection: 10/ 30 /2018 (month/day/year)Time of Inspection: 1510Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable

A - Acceptable

NA - Not applicable

Well Inspection FormTextron, Inc.
Wheatfield, New York

Well Designation: MW 89-14(0)
Date of Inspection: 10/ 30 /2018 (month/day/year)
Time of Inspection: 1700
Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection FormTextron, Inc.
Wheatfield, New York

Well Designation: MW 89-14(1)
Date of Inspection: 10/ 30 /2018 (month/day/year)
Time of Inspection: 1700
Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection Form

Textron, Inc.

Wheatfield, New York

Well Designation: MW 09-15(1)Date of Inspection: 10/ 31 /2010 (month/day/year)Time of Inspection: 0950Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Well Inspection FormTextron, Inc.
Wheatfield, New York

Well Designation: MW 93-03(1)
Date of Inspection: 10/ 30 /2018 (month/day/year)
Time of Inspection: 1100
Inspector's Name: Kevin Cronin

Item	Types of Problems	Status		Comments	Action	Date
		U	A			
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					

Status: U - Unacceptable
A - Acceptable
NA - Not applicable

Appendix C

Field Sampling Data Sheets

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Former Textron Wheatfield Facility
Project Number: 631236330
Well Number: EW- 2
Date: 04/18/2018
Field Personnel: K. Cronin, Bob Urban (ALS tech.)
Physical Condition of Well: Good
Well Diameter: 8"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~ 5.38
Depth to Bottom: _____
Purge Volume: _____
Volume Removed: ~ 3 GALS

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Drummed for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.55</u>	<u>1.319</u>	<u>10.92</u>	<u>clear</u>
Final Purge	<u>7.29</u>	<u>1.559</u>	<u>10.70</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- EW- 2 -180418
Sample Collection Date/Time: 04/18/2018 1015
Analysis Requested: EPA Method 8260

Notes: MS/MSD COLLECTED HERE
VAULT FLOODED, LEFT WELL IN MANUAL AS PER CB 10/25

Sampler Signature: [Signature]

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

Well Number: EW- 3

Date: 04/ 18 /2018

Field Personnel: K. Cronin, Bob Urban (ALS tech.)

Physical Condition of Well: Good

Well Diameter: 8"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~ 5.14'

Depth to Bottom: _____

Purge Volume: _____

Volume Removed: ~ 3 GALS

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Drummed for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.31</u>	<u>2.017</u>	<u>10.02</u>	<u>clear</u>
Final Purge	<u>7.23</u>	<u>1.602</u>	<u>9.75</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT-EW-3 -180418

Sample Collection Date/Time: 04/ 18 /2018 1035

Analysis Requested: EPA Method 8260

Notes: VAULT FLOODED

Sampler Signature: Kevin Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

Well Number: EW- 4

Date: 04/18/2018

Field Personnel: K. Cronin, Bob Urban (ALS tech.)

Physical Condition of Well: Good

Well Diameter: 8"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~ 26.49'

Depth to Bottom: _____

Purge Volume: _____

Volume Removed: ~ 3.5

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Drummed for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.40</u>	<u>1.870</u>	<u>11.12</u>	<u>clear</u>
Final Purge	<u>7.16</u>	<u>1.161</u>	<u>10.42</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- EW- 4 -180418

Sample Collection Date/Time: 04/18/2018 1100

Analysis Requested: EPA Method 8260

Notes: BAT- DUP 01 - 180418 COLLECTED HERE

Sampler Signature: Kron Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

Well Number: EW- 5

Date: 04/18/2018

Field Personnel: K. Cronin, Bob Urban (ALS tech.)

Physical Condition of Well: Good

Well Diameter: 8"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~ 4.87

Depth to Bottom:

Purge Volume:

Volume Removed: ~ 3 GALS

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Drummed for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	7.57	1.672	8.79	clear
Final Purge	7.44	1.221	8.41	clear

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- EW-5 -180418

Sample Collection Date/Time: 04/18/2018 1200

Analysis Requested: EPA Method 8260

Notes: VAULT FLOODED, PUT WELL IN HAND FOR SAMPLING.

Sampler Signature: Kevin Glo

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Former Textron Wheatfield Facility
Project Number: 631236330
Well Number: EW-6
Date: 04/18/2018
Field Personnel: K. Cronin, Bob Urban (ALS tech.)
Physical Condition of Well: Good
Well Diameter: 8"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~ 5.31'
Depth to Bottom: NM
Purge Volume: _____
Volume Removed: ~ 2

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing DEDICATED Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Drummed for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.54</u>	<u>2.013</u>	<u>9.06</u>	<u>clear</u>
Final Purge	<u>7.70</u>	<u>1.047</u>	<u>8.63</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing DEDICATED Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- EW-6 -180418

Sample Collection Date/Time: 04/18/2018 1215

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: [Signature]

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 93-03(1)
Date: 04/ 18 /2018
Field Personnel: K. Cronin, R. Urban (ALS)
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Product: -
Depth to Water: ~ 6.41
Depth to Bottom: ~ 46.43
Purge Volume: 6.6 GAL
Volume Removed: ~ GAL

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: In Plant for Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	7.44	1.774	8.55	clear
Final Purge	7.18	1.849	10.05	clear

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 93-03(1)-180418
Sample Collection Date/Time: 04/ 18 /2018 1245
Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: [Signature]

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- B-8(0)
Date: 10/31/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2" 1.25
Air Monitoring Results: 0.0 ppmv
Depth to Water: - 8.59
Depth to Bottom: 12.47
Purge Volume: 0.6
Volume Removed: ~2.5

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.75</u>	<u>0.481</u>	<u>13.04</u>	<u>LT BRW</u> <u>clear</u> <u>SLT TURBID</u>
Final Purge	<u>7.74</u>	<u>0.464</u>	<u>13.10</u>	<u>LT BRW</u> <u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- B-8(0) -181031
Sample Collection Date/Time: 10/31/2018 12:15
Analysis Requested: EPA Method 8260

Notes:

Sampler Signature: [Signature]

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- B-14(1)
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 15.04
Depth to Bottom: 26.99
Purge Volume: 0.75
Volume Removed: ~ 2.25

*Volume Factors: (circle one)

→ 2.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.32</u>	<u>1.877</u>	<u>13.57</u>	<u>clear</u>
Final Purge	<u>7.10</u>	<u>1.778</u>	<u>13.31</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- B-14(1) -181030

Sample Collection Date/Time: 10/30 /2018 1735

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- DW-9
Date: 10/31 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~ 3.96

Depth to Bottom: N/A

Purge Volume: _____

Volume Removed: ~ 4 gal

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.80</u>	<u>0.441</u>	<u>13.59</u>	<u>clear</u>
Final Purge	<u>7.71</u>	<u>0.441</u>	<u>13.61</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT-DW-9 -1810 31

Sample Collection Date/Time: 10/31 /2018 1200

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- DW-10
Date: 10/31/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: - 8.49
Depth to Bottom: NM
Purge Volume: _____
Volume Removed: ~ 4 gal

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>NO PARAMETERS TAKEN DUE TO</u>			<u>clear</u>
Final Purge	<u>INT PRODUCT/HEAVY SHEEN</u>			<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- DW-10 -1810 31

Sample Collection Date/Time: 10/31/2018 1065

Analysis Requested: EPA Method 8260

Notes: PRODUCT ON WEL PROBE

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- DW- 11
Date: 10/31 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: - 7.30
Depth to Bottom: NM
Purge Volume: ~ 6
Volume Removed: ~ 6

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.61</u>	<u>1.167</u>	<u>16.23</u>	clear
Final Purge	<u>7.67</u>	<u>1.352</u>	<u>16.20</u>	clear

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- DW- 11 -181031

Sample Collection Date/Time: 10/31 /2018 0925

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kevin Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- DW- 12
Date: 10/31/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~6.64

Depth to Bottom: NM

Purge Volume: _____

Volume Removed: ~3 GAL

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>8.03</u>	<u>0.655</u>	<u>16.63</u>	<u>✓ SLT YELLOW TINT</u> <u>clear</u>
Final Purge	<u>8.14</u>	<u>0.656</u>	<u>16.74</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- DW- 12 -181031

Sample Collection Date/Time: 10/31/2018 0845

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kym Cro

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- EW-2
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~ 9.20

Depth to Bottom: NM

Purge Volume:

Volume Removed: ~ 5

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.42</u>	<u>1.011</u>	<u>12.08</u>	<u>clear</u>
Final Purge	<u>7.25</u>	<u>1.012</u>	<u>12.20</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- EW-2 -181030 0305

Sample Collection Date/Time: 10/30 /2018

Analysis Requested: EPA Method 8260

Notes:

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- EW-3
Date: 10/30/2018

Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~18.90

Depth to Bottom: NM

Purge Volume: _____

Volume Removed: ~5 GALS

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.10</u>	<u>1.672</u>	<u>11.66</u>	<u>clear</u>
Final Purge	<u>6.85</u>	<u>1.775</u>	<u>11.59</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- EW-3 -1810 30 1240

Sample Collection Date/Time: 10/30/2018

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- EW-4
Date: 10/30/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~ 24.10
Depth to Bottom: NM
Purge Volume: _____
Volume Removed: ~ 3 GACS

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.21</u>	<u>1.364</u>	<u>12.32</u>	<u>clear</u>
Final Purge	<u>7.02</u>	<u>1.384</u>	<u>12.27</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- EW-4 -181030

Sample Collection Date/Time: 10/30/2018 1225

Analysis Requested: EPA Method 8260

Notes: MS/MSD COLLECTED HERE

Sampler Signature: Krist Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- EW-5
Date: 10/30/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~10.08
Depth to Bottom: NM
Purge Volume: _____
Volume Removed: ~1.5 GAL

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.01</u>	<u>1524</u>	<u>10.91</u>	<u>clear</u>
Final Purge	<u>NOT ENOUGH WATER PRODUCED</u>			<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- EW-5 -181030 1150

Sample Collection Date/Time: 10/30/2018

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- EW-6
Date: 10/30/2018

Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~ 9.88

Depth to Bottom: NM

Purge Volume: _____

Volume Removed: ~ 2 gal

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.71</u>	<u>1.934</u>	<u>12.15</u>	clear
Final Purge	<u>7.55</u>	<u>1.827</u>	<u>10.98</u>	clear

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- EW-6 -181030

Sample Collection Date/Time: 10/30/2018

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kron Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- EW- 7
Date: 10/ 31 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~13.57

Depth to Bottom: NM

Purge Volume: _____

Volume Removed: ~4 GAL

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.81</u>	<u>0.511</u>	<u>16.31</u>	<u>clear</u>
Final Purge	<u>7.83</u>	<u>0.510</u>	<u>16.28</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- EW- 7 -181031

Sample Collection Date/Time: 10/ 31 /2018 0750

Analysis Requested: EPA Method 8260

Notes: BAT- DUP- 2-1810 COLLECTED 4/2018 KC
SURFACE WATER IN VAULT ENTERING WELL

Sampler Signature: Kim Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- EW-8
Date: 10/31/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~9.72
Depth to Bottom: _____
Purge Volume: _____
Volume Removed: ~3 GAL

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing DEDICATED Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.36</u>	<u>0.981</u>	<u>15.73</u>	<u>clear</u>
Final Purge	<u>7.19</u>	<u>1.077</u>	<u>15.72</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing DEDICATED Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- EW-8 -181031

Sample Collection Date/Time: 10/31/2018 0825

Analysis Requested: EPA Method 8260

Notes: BAT-DWP-2-181031 COLLECTED HERE

Sampler Signature: Kim Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- EW-13
Date: 10/31 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: ~15.74

Depth to Bottom: ~34.45

Purge Volume: _____

Volume Removed: ~3 Gall

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

DEDICATED
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.27</u>	<u>1.578</u>	<u>15.31</u>	<u>clear</u>
Final Purge	<u>7.03</u>	<u>1.482</u>	<u>15.27</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

DEDICATED
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- EW-13 -181031

Sample Collection Date/Time: 10/31 /2018 0805

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-01(1)
Date: 10/ 30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 17.57
Depth to Bottom: 33.26
Purge Volume: 2.5
Volume Removed: ~ 8

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.56</u>	<u>1.426</u>	<u>15.81</u>	<u>clear</u>
Final Purge	<u>7.25</u>	<u>1.570</u>	<u>15.41</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 87-01(1) -181030
Sample Collection Date/Time: 10/ 30 /2018 10 30
Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kron Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-02(1)
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: 15.46

Depth to Bottom: 33.88

Purge Volume: 3.0

Volume Removed: ~9.0

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

DEDICATED
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>6.97</u>	<u>0.861</u>	<u>15.11</u>	<u>VST GRAY</u> clear
Final Purge	<u>7.12</u>	<u>1.108</u>	<u>14.56</u>	clear

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

DEDICATED
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- 87-02(1) -181030 1000

Sample Collection Date/Time: 10/30 /2018

Analysis Requested: EPA Method 8260

Notes:

Sampler Signature: Kim Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-02(3)
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: 13.49

Depth to Bottom: 57.88

Purge Volume: 7.2

Volume Removed: ~ 14

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

✓ Dropping w/ each bailer

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>8.24</u>	<u>3.027</u>	<u>15.29</u>	<u>clear</u>
Final Purge	<u>8.48</u>	<u>3.264</u>	<u>14.01</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- 87-02(3) -181030 005

Sample Collection Date/Time: 10/30 /2018

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kwinn Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-08(1)
Date: 10/31/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 13.55
Depth to Bottom: 32.67
Purge Volume: 3.1
Volume Removed: 9

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer	Dedicated Poly Tubing from Sampling Port	Whale Pump with ET Tubing	<u>DEDICATED</u> Polyethylene Bailer	Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	7.33	0.886	12.64	<u>DK GRAY</u> clear
Final Purge	7.22	0.893	12.22	clear

Sampling Method: circle one

Stainless Steel Bailer	Dedicated Poly Tubing from Sampling Port	Whale Pump with ET Tubing	<u>DEDICATED</u> Polyethylene Bailer	Grundfos Submersible Pump

Sample Number: BAT- 87-08(1) -181031

Sample Collection Date/Time: 10/31/2018 1145

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kron Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW-87-10(0)
Date: 10/31/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: 13.11

Depth to Bottom: 18.42

Purge Volume: 0.9

Volume Removed: ~4.5

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

☒ Stainless Steel
Bailer

☐ Dedicated Poly Tubing
from Sampling Port

☐ Whale Pump
with ET Tubing

☐ Polyethylene
Bailer

☐ Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.24</u>	<u>1.003</u>	<u>16.49</u>	<u>RED DSH BAN</u> <u>clear</u>
Final Purge	<u>7.27</u>	<u>0.935</u>	<u>16.77</u>	<u>RED DSH BAN</u> <u>clear</u>

Sampling Method: circle one

☒ Stainless Steel
Bailer

☐ Dedicated Poly Tubing
from Sampling Port

☐ Whale Pump
with ET Tubing

☐ Polyethylene
Bailer

☐ Grundfos Submersible
Pump

Sample Number: BAT-87-10(0) -181031

Sample Collection Date/Time: 10/31/2018 0900

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kim Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87 - 13(3)
Date: 10/ 31 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~ 12.89
Depth to Bottom: 52.40
Purge Volume: 7.3
Volume Removed: ~ 20

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

☒ Stainless Steel Bailer ☐ Dedicated Poly Tubing from Sampling Port ☐ Whale Pump with ET Tubing ☐ Polyethylene Bailer ☐ Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.40</u>	<u>1.769</u>	<u>15.03</u>	<u>clear</u>
Final Purge	<u>7.08</u>	<u>1.732</u>	<u>12.84</u>	<u>clear</u>

Sampling Method: circle one

☒ Stainless Steel Bailer ☐ Dedicated Poly Tubing from Sampling Port ☐ Whale Pump with ET Tubing ☐ Polyethylene Bailer ☐ Grundfos Submersible Pump

Sample Number: BAT- 87 - 13(3) -1810 31

Sample Collection Date/Time: 10/ 31 /2018 1045

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-14(0)
Date: 10/ 31 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~ 10.0
Depth to Bottom: ~ 16.63
Purge Volume: 1.0
Volume Removed: ~ 3.0

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.43</u>	<u>0.937</u>	<u>13.46</u>	<u>LT BAW</u> <u>clear</u>
Final Purge	<u>7.29</u>	<u>0.950</u>	<u>13.20</u>	<u>LT BAW</u> <u>clear</u>

WELL
ALVES
OUT

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 87-14(0) -1810 31
Sample Collection Date/Time: 10/ 31 /2018 1120
Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: [Signature]

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-17(1)
Date: 10/ 31 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 12.24
Depth to Bottom: 32.06
Purge Volume: 3.2
Volume Removed: ~10

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.14</u>	<u>1.793</u>	<u>14.81</u>	<u>clear</u>
Final Purge	<u>7.05</u>	<u>1.817</u>	<u>13.88</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 87-17(1) -1810 31
Sample Collection Date/Time: 10/ 31 /2018 1315
Analysis Requested: EPA Method 8260

Notes: MS/MSD COLLECTED HERE

Sampler Signature: Kum Cro

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-19(1)
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 13.65
Depth to Bottom: 33.96
Purge Volume: 3.3
Volume Removed: ~10

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.60</u>	<u>1.372</u>	<u>13.51</u>	<u>SLT REDDISH BLEN</u> clear
Final Purge	<u>7.06</u>	<u>1.826</u>	<u>13.07</u>	clear

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 87-19(1) -181030

Sample Collection Date/Time: 10/30 /2018 11:00

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-20(0)
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: 4.90

Depth to Bottom: 10.31

Purge Volume: 0.9

Volume Removed: ~ 3.0

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

well drying out

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.23</u>	<u>1.646</u>	<u>13.48</u>	<u>clear</u>
Final Purge	<u>8.01</u>	<u>1.002</u>	<u>13.43</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- 87-20(0) -181030

Sample Collection Date/Time: 10/30 /2018 1435

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature:

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87-20(1)
Date: 10/30/2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: 12.12

Depth to Bottom: 31.35

Purge Volume: 3.1

Volume Removed: ~ 9

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.48</u>	<u>0.779</u>	<u>15.53</u>	<u>clear</u>
Final Purge	<u>6.50</u>	<u>1.490</u>	<u>14.76</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- 87-20(1) -181030

Sample Collection Date/Time: 10/30/2018 1440

Analysis Requested: EPA Method 8260

Notes: BAT-DUP-1-181030 COLLECTED HERE

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87 - 21 (1)
Date: 10/ 30 /2018

Field Personnel: K. Cronin - APTIM, Bob Urban - ALS

Physical Condition of Well: Good

Well Diameter: 2"

Air Monitoring Results: 0.0 ppmv

Depth to Water: 10.70

Depth to Bottom: 33.70

Purge Volume: 3.7

Volume Removed: ~14

*Volume Factors: (circle one)

1.25-inch well = 0.064 gal/ft

2-inch well = 0.163 gal/ft

4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.68</u>	<u>0.666</u>	<u>14.69</u>	<u>clear</u>
Final Purge	<u>7.37</u>	<u>0.887</u>	<u>14.42</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel
Bailer

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- 87 - 21 (1) -181030

Sample Collection Date/Time: 10/ 30 /2018 1640

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 87- 22(1)
Date: 10/ 30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 17.34
Depth to Bottom: 32.49
Purge Volume: 2.5
Volume Removed: ~ 8

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.22</u>	<u>1.412</u>	<u>11.74</u>	<u>clear</u>
Final Purge	<u>6.94</u>	<u>1.909</u>	<u>11.30</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 87- 22(1) -181030
Sample Collection Date/Time: 10/ 30 /2018 1545
Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kim Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 89-04(1)
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 6.72
Depth to Bottom: 27.15
Purge Volume: 3.3
Volume Removed: ~10

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

~~Stainless Steel
Bailer~~

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.17</u>	<u>0.846</u>	<u>13.46</u>	<u>clear</u> <u>DK GRAYISH, H2S ODOR</u>
Final Purge	<u>6.88</u>	<u>2.153</u>	<u>11.77</u>	<u>clear</u> <u>GRAYISH</u>

Sampling Method: circle one

~~Stainless Steel
Bailer~~

Dedicated Poly Tubing
from Sampling Port

Whale Pump
with ET Tubing

Dedicated
Polyethylene
Bailer

Grundfos Submersible
Pump

Sample Number: BAT- 89-04(1) -181030

Sample Collection Date/Time: 10/30/2018 1520

Analysis Requested: EPA Method 8260

Notes:

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 89-14(0)
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 10.46
Depth to Bottom: 12.11
Purge Volume: 0.3
Volume Removed: ~ 1.2

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

☒ Stainless Steel Bailer ☐ Dedicated Poly Tubing from Sampling Port ☐ Whale Pump with ET Tubing ☐ Polyethylene Bailer ☐ Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>6.83</u>	<u>3.650</u>	<u>13.94</u>	<u>REDDISH BRN</u> <u>clear</u>
Final Purge	<u>6.86</u>	<u>3.755</u>	<u>14.00</u>	<u>SLT REDDISH BRN</u> <u>clear</u>

Sampling Method: circle one

☒ Stainless Steel Bailer ☐ Dedicated Poly Tubing from Sampling Port ☐ Whale Pump with ET Tubing ☐ Polyethylene Bailer ☐ Grundfos Submersible Pump

Sample Number: BAT- 89-14(0) -1810 30
Sample Collection Date/Time: 10/30 /2018 1705
Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: Kim Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 89-14(1)
Date: 10/30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 13.93
Depth to Bottom: 31.32
Purge Volume: 2.8
Volume Removed: ~ 9

* Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.37</u> <u>13.32</u>	<u>1.196</u>	<u>13.32</u>	clear
Final Purge	<u>7.03</u>	<u>1.694</u>	<u>12.61</u>	clear

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 89-14(1) -181030

Sample Collection Date/Time: 10/30 /2018 1700

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE - WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 89-15(1)
Date: 10/ 31 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~ 14.15
Depth to Bottom: ~ 34.45
Purge Volume: ~ 3.3
Volume Removed: ~ 10

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing DEDICATED Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.15</u>	<u>1.005</u>	<u>15.44</u>	<u>clear GRAYISH</u>
Final Purge	<u>7.02</u>	<u>1.226</u>	<u>14.80</u>	<u>clear "</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing DEDICATED Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 89-15(1) -1810 31

Sample Collection Date/Time: 10/ 31 /2018 1005

Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
WELL PURGE – WATER QUALITY MEASUREMENTS

Site Name: Textron, Wheatfield, NY
Project Number: 631236330
Well Number: MW- 93-03(1)
Date: 10/ 30 /2018
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: 11.23
Depth to Bottom: 46.92
Purge Volume: 5.8
Volume Removed: ~15

*Volume Factors: (circle one)
1.25-inch well = 0.064 gal/ft
2-inch well = 0.163 gal/ft
4-inch well = 0.653 gal/ft

Purge Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	<u>7.09</u>	<u>1.949</u>	<u>11.98</u>	<u>clear</u>
Final Purge	<u>6.95</u>	<u>1.913</u>	<u>10.87</u>	<u>clear</u>

Sampling Method: circle one

Stainless Steel Bailer Dedicated Poly Tubing from Sampling Port Whale Pump with ET Tubing Dedicated Polyethylene Bailer Grundfos Submersible Pump

Sample Number: BAT- 93-03(1) -181030
Sample Collection Date/Time: 10/30 /2018 14:5
Analysis Requested: EPA Method 8260

Notes: _____

Sampler Signature: K. Cronin

Appendix D

Chain-of-Custody Forms



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

53405

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

PAGE 1 OF 2

Project Name TEXTIRON ANNUAL		Project Number 631 736 330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)															
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE															
Company/Address APTIM, INC		NUMBER OF CONTAINERS GC/MS VOAs • 8260 • 824 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8061 • 808 PCBs • 8092 • 608 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below)		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____															
500 PENN CENTER BLVD. SUITE 1000																			
PITTSBURGH, PA 15235																			
Phone # 412-858-3977																			
Email CECELIA.BYERS@APTIM.COM		Sampler's Printed Name KEVIN CROWIN		REMARKS/ ALTERNATE DESCRIPTION															
Sampler's Signature <i>Kevin Crowin</i>																			
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING		MATRIX															
		DATE	TIME																
BAT-EW-7-181031		10/30/18	0751	GW 3	X														
BAT-EW-13-181031			0805																
BAT-EW-8-181031			0825																
BAT-DW-12-181031			0845																
BAT-DW-11-181031			0925																
BAT-87-10(1)181031			0910																
BAT-89-15(1)181031			1005																
BAT-DW-10-181031			1015																
BAT-87-13(3)181031			1045																
BAT-87-14(1)181031			1120																
BAT-87-08(1)181031		↓	1145	↓	↓														
SPECIAL INSTRUCTIONS/COMMENTS Metals					TURNAROUND REQUIREMENTS _____ RUSH (SURCHARGES APPLY) _____ 1 day _____ 2 day _____ 3 day _____ 4 day _____ 5 day _____ Standard (10 business days-No Surcharge) REQUESTED REPORT DATE STANDARD					REPORT REQUIREMENTS _____ I. Results Only _____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) _____ III. Results + QC and Calibration Summaries _____ IV. Data Validation Report with Raw Data Edata _____ Yes _____ No					INVOICE INFORMATION PO # 208759 BILL TO:				
See QAPP ☐																			
STATE WHERE SAMPLES WERE COLLECTED																			
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY					
Signature <i>Kevin Crowin</i>		Signature <i>Baldwin</i>		Signature		Signature		Signature		Signature		Signature		Signature					
Printed Name KEVIN CROWIN		Printed Name Baldwin		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name					
Firm APTIM		Firm ALYS		Firm		Firm		Firm		Firm		Firm		Firm					
Date/Time 10/31/18 1330		Date/Time 10/31/18 1330		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time					

Project Name Texton Annual		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																					
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE																					
Company Address APTIM INC.		NUMBER OF CONTAINERS		GC/MS VOA's • 8260 • 824 • CLP GC/MS SVOA's • 8270 • 825 GC VOA's • 8021 • 801/802 PESTICIDES • 8081 • 608 PCBs • 8082 • 608 METALS TOTAL (List in comments below) METALS DISSOLVED (List in comments below)																					
500 PENN CENTER BLVD. SUITE 1000				Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____																					
PITTSBURGH, PA 15235				REMARKS/ ALTERNATE DESCRIPTION																					
Phone # 412-858-3977		Email CECELIA.BYERS@APTIM.COM																							
Sampler's Signature Kevin Crown		Sampler's Printed Name KEVIN CROWN																							
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE		TIME		MATRIX																	
BAT-87-20(0)181030				10/30/18		1435		GW		3 X															
BAT-87-20(1)181030				↓		1440		↓																	
BAT-89-04(1)181030				↓		1520		↓																	
BAT-87-22(1)181030				↓		1545		↓																	
BAT-87-19(1)181030				↓		1610		↓																	
BAT-87-21(1)181030				↓		1640		↓																	
BAT-89-14(1)181030				↓		1700		↓																	
BAT-89-14(0)181030				↓		1705		↓																	
BAT-B-14(1)181030				↓		1735		↓																	
SPECIAL INSTRUCTIONS/COMMENTS Metals										TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day STANDARD REQUESTED REPORT DATE ____					REPORT REQUIREMENTS ____ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data Edata ____ Yes ____ No					INVOICE INFORMATION PO # 208759 BILL TO: 					
See QAPP ☐																									
STATE WHERE SAMPLES WERE COLLECTED																									
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY											
Signature Kevin Crown		Signature Bob Crown		Signature		Signature		Signature		Signature		Signature		Signature											
Printed Name KEVIN CROWN		Printed Name Bob Crown		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name											
Firm APTIM		Firm APT		Firm		Firm		Firm		Firm		Firm		Firm											
Date/Time 10/31/18 1330		Date/Time 10/31/18 1330		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time											



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48379

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name TEXTBOOK ANNUAL		Project Number 631736330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE																			
Company/Address APTIM, INC.		NUMBER OF CONTAINERS		GC/MS VOAs • 8260 • 824 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below)																Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____			
500 PENN CENTER BLVD. SUITE 1000																							
PITTSBURGH, PA 15235																							
Phone # 412-858-3977																							
Email CECELIA.BYERS@APTIM.COM		Sampler's Signature Kevin Cronin		Sampler's Printed Name KEVIN CROWIN		REMARKS/ ALTERNATE DESCRIPTION																	
FOR OFFICE USE ONLY LAB ID		SAMPLING DATE		TIME		MATRIX																	
CLIENT SAMPLE ID		DATE		TIME		MATRIX																	
BAT-87-02(1)-181030		10/30/18		1000		GW		X															
BAT-87-07(3)-181030				1005																			
BAT-87-01(1)-181030				1030																			
BAT-87-01(1)-181030				1055																			
BAT-87-03(1)-181030				1115																			
BAT-87-05-181030				1150																			
BAT-87-04-181030				1225																			
BAT-87-04-181030MS/MSD				1225																			
BAT-87-03-181030				1240																			
BAT-87-02-181030				1305																			
BAT-DUP-1-181030																							
SPECIAL INSTRUCTIONS/COMMENTS Metals								TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day STANDARD REQUESTED REPORT DATE								REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No				INVOICE INFORMATION PO # 208759 BILL TO:			
See QAPP ☐																							
STATE WHERE SAMPLES WERE COLLECTED																							
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY					
Signature Kevin Cronin		Signature CECELIA BYERS		Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature					
Printed Name KEVIN CROWIN		Printed Name CECELIA BYERS		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name					
Firm APTIM		Firm APTIM		Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm					
Date/Time 10/31/18 1330		Date/Time 10/31/18 1330		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time					

Appendix E

Off-Site System Performance Review – April 2018



APTIM
500 Penn Center Blvd, Suite 1000
Pittsburgh, PA 15235
Tel: 412.372.7701
Fax: 412.373.7135
www.aptim.com

May 24, 2018

Mr. Stanley Radon
Senior Engineering Geologist
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2915

**Subject: Off-Site System Performance Review
Textron Inc.
Wheatfield, New York
New York State Site No. 932052**

Dear Mr. Radon:

On behalf of Textron Inc. (Textron), Aptim Environmental & Infrastructure, Inc. (APTIM) has prepared this assessment of the data collected as part of the extended pilot shutdown of Extraction Well EW-5. Pursuant to the New York State Department of Environmental Conservation's (NYSDEC) electronic mail of July 22, 2013, Extraction Well EW-5 was taken offline on September 5, 2013 as part of the evaluation regarding the ability of the three northernmost extraction wells to control the prevailing southerly groundwater migration. Groundwater conditions at the site have been monitored, and key well locations were sampled for volatile organic compounds (VOCs) bi-annually (April and October) since 2013 as part of this extended pilot study. The groundwater analytical data from the October 2017 event were presented in the *2017 Annual Summary and Site Maintenance and Monitoring Report*. The April 2018 groundwater analytical data are summarized in Table 1; the complete analytical data package is included as Attachment A.

Groundwater quality 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 18, 2018.

Between April 15 and 16, 2018, the area received 1.72 inches of rain which elevated the groundwater table across the site. Based upon field gauging data, the cone of depression and zone of influence for this monitoring event remain consistent with the prior observations. The April groundwater elevations for the Off-Site System are shown on Figure 1.

The October 2011 analytical data were used as a baseline for comparison because this sampling event was completed prior to the initial shutdown of Extraction Well EW-5. As shown below, groundwater quality in four of the five extraction wells has demonstrated significant decreases in total VOC concentrations after Extraction Well EW-5 was taken offline. Total VOC concentrations at Extraction Well EW-6 increased from 61.41 micrograms per liter ($\mu\text{g/L}$) to 67.10 $\mu\text{g/L}$ between the baseline and April 2018 sampling events. The analytical results are shown graphically on Figure 2.

Well Location	Decrease in VOC Concentration – 2011 to 2018
EW-2	58.4 %
EW-3	86.5 %
EW-4	92.9 %
EW-5	77.4 %
EW-6	- 9.3 %

The sample collected from Monitoring Well 93-03(1) exhibited a carbon disulfide concentration of 1.3 µg/L, which is below the New York State Groundwater Guidance Value of 60 µg/L. Carbon disulfide is not a listed compound of concern for the site.

Based on the groundwater capture and the continued observation of decreases in total VOC concentrations in the Off-Site System, the pilot study continues to be successful. The extraction well system is creating the expected zone of influence in the area of the Off-Site System, as shown on the attached Figure 1. Three operational extraction wells not only provide hydraulic control but are capable of drawing the leading edge of the plume northward (as has been requested by the NYSDEC).

Based upon these results, Textron respectfully requests that Extraction Well EW-5 continue to remain offline. The next groundwater sampling event is scheduled for October 2018. The analytical and gauging results will continue to be examined and the performance of the Off-Site System assessed and reported to the NYSDEC in the *2018 Annual Summary and Site Maintenance and Monitoring Report*.

APTIM and Textron appreciate the NYSDEC's consideration of these matters. If there are any questions or concerns, please feel free to contact Greg Simpson at (401) 457-2635 or me at (412) 858-3977.

Sincerely,



Cecelia Byers
Project Manager

CB:lmk

Attachments: Table
Figures
Attachment A – Analytical Report

cc: Mr. Greg Simpson – Textron
Mr. Brian Sadowski – NYSDEC
Mr. Chad Staniszewski – NYSDEC
Mr. Stephen Lawrence – NYSDOH
Ms. Charlotte Bethoney – NYSDOH
File

Table

Table 1
Summary of Groundwater Analytical Data
Former Textron Inc., Wheatfield, NY
April 2018

SAMPLE LOCATION	EW-2	EW-2		EW-2		EW-3
SAMPLE I.D.	BAT-EW-2-180418	BAT-EW-2-170418 MS		BAT-EW-2-170418 MS		BAT-EW-3-180418
SAMPLE DATE	4/18/2018	4/18/2017		4/18/2017		4/18/2018
VOCs by USEPA Method 8260		Matrix Spike		Matrix Spike Duplicate		
		% Rec.	QC Lim	% Rec.	QC Lim	
Chloromethane	1.0 U	100	55-160	102	55-160	2.5 U
Vinyl Chloride	220 D	89	60-157	101	60-157	370
Chloroethane	1.0 U	89	70-140	90	70-140	2.5 U
Bromomethane	1.0 U	54	10-162	61	10-162	2.5 U
1,1-Dichloroethene	0.68 J	100	72-125	99	72-125	2.5 U
Acetone	1.8 J	91	29-151	93	29-151	4.3 J
Carbon Disulfide	1.0 U	95	34-162	99	34-162	2.5 U
Methylene Chloride	1.0 U	96	75-121	99	75-121	2.5 U
trans-1,2-Dichloroethene	2.3	98	77-125	99	77-125	2.4 J
1,1-Dichloroethane	3.5	109	74-132	109	74-132	4.1
cis-1,2-Dichloroethene	220 D	93	72-133	98	72-133	170
2-Butanone	5.0 U	105	46-141	105	46-141	13 U
Chloroform	1.1	108	75-130	108	75-130	0.98 J
1,1,1-Trichloroethane	3.0	99	74-127	99	74-127	3.4
Carbon Tetrachloride	1.0 U	95	71-135	97	71-135	2.5 U
Benzene	1.0 U	108	76-129	108	76-129	2.5 U
1,2-Dichloroethane	1.0 U	108	72-132	107	72-132	2.5 U
Trichloroethene	5.4	98	62-142	99	62-142	4.6
1,2-Dichloropropane	1.0 U	110	79-124	109	79-124	2.5 U
Bromodichloromethane	1.0 U	100	76-127	101	76-127	2.5 U
cis-1,3-Dichloropropene	1.0 U	101	52-134	101	52-134	2.5 U
4-Methyl-2-pentanone	5.0 U	111	60-141	109	60-141	13 U
Toluene	1.0 U	102	79-125	100	79-125	2.5 U
trans-1,3-Dichloropropene	1.0 U	98	64-123	99	64-123	2.5 U
1,1,2-Trichloroethane	1.0 U	106	82-115	103	82-115	2.5 U
Tetrachloroethene	1.0 U	101	67-137	102	67-137	2.5 U
2-Hexanone	5.0 U	108	56-132	104	56-132	13 U
Dibromochloromethane	1.0 U	98	72-128	99	72-128	2.5 U
Chlorobenzene	1.0 U	98	76-125	97	76-125	2.5 U
Ethylbenzene	1.0 U	103	72-134	102	72-134	2.5 U
m/p-Xylenes	2.0 U	102	68-138	100	68-138	5.0 U
o-Xylene	1.0 U	99	68-134	99	68-134	2.5 U
Styrene	1.0 U	101	34-156	102	34-156	2.5 U
Bromoform	1.0 U	93	58-133	96	58-133	2.5 U
1,1,2,2-Tetrachloroethane	1.0 U	107	72-122	108	72-122	2.5 U

Notes:

U = Compound not detected at detection limit.

Bold = Compound detected at concentration.

J = Indicates an estimated value below detection limit.

Table 1
Summary of Groundwater Analytical Data
Former Textron Inc., Wheatfield, NY
April 2018

SAMPLE LOCATION	EW-4	EW-4	EW-5	EW-6
SAMPLE I.D.	BAT-EW-4-180418	BAT-DUP01-180418	BAT-EW-5-180418	BAT-EW-6-180418
SAMPLE DATE	4/18/2018	4/18/2018	4/18/2018	4/18/2018
<i>VOCs by USEPA Method 8260</i>				
Chloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	42	40	170	37
Chloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	5.0 U	1.4 J	2.2 J	5.0 U
Carbon Disulfide	1.0 U	1.0 U	0.31 J	1.0 U
Methylene Chloride	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	0.86 J	0.84 J	1.4	1.0 U
1,1-Dichloroethane	1.3	1.1	2.4	0.61 J
cis-1,2-Dichloroethene	25	25	62	29
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	0.52 J	0.44 J	2.1	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	0.41 J	0.32 J	1.6	0.49 J
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

U = Compound not detected at detection limit.

Bold = Compound detected at concentration.

J = Indicates an estimated value below detection

Table 1
Summary of Groundwater Analytical Data
Former Textron Inc., Wheatfield, NY
April 2018

SAMPLE LOCATION	93-03(1)	TRIP BLANK
SAMPLE I.D.	BAT-93-03(1)-180418	BAT-TB-180418
SAMPLE DATE	4/18/2018	4/18/2018
<i>VOCs by USEPA Method 8260</i>		
Chloromethane	1.0 U	1.0 U
Vinyl Chloride	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U
Acetone	1.0 U	2.3 J
Carbon Disulfide	1.3	1.0 U
Methylene Chloride	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	1.0 U
2-Butanone	5.0 U	5.0 U
Chloroform	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U
Benzene	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U
4-Methyl-2-pentanone	5.0 U	5.0 U
Toluene	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U
2-Hexanone	5.0 U	5.0 U
Dibromochloromethane	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U
m/p-Xylenes	2.0 U	2.0 U
o-Xylene	1.0 U	1.0 U
Styrene	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U

Notes:

U = Compound not detected at detection limit.

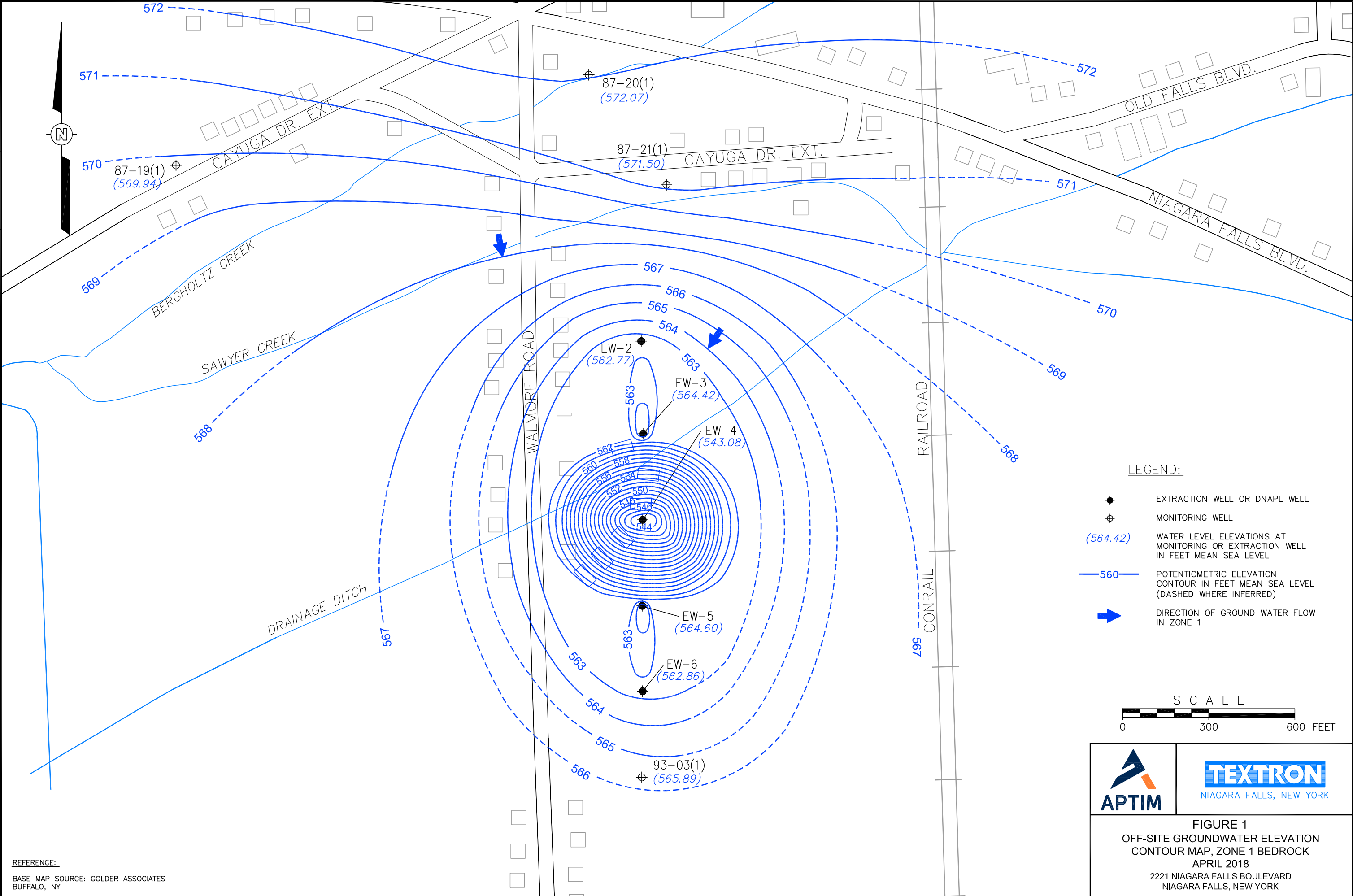
Bold = Compound detected at concentration.

J = Indicates an estimated value below detection

Figures

File: O:\Shaw Offices - CAD Files\Latham, NY\631236330\631236330-B1.dwg
Plot Date/Time: May 22, 2018 - 4:19pm
Plotted By: Evan Schlegel

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	5/21/18	--	E. Schlegel	C. Byers	--	631236330-B1



File: O:\Shaw Offices - CAD Files\Latham, NY\631236330\631236330-B2.dwg
Plot Date/Time: May 22, 2018 - 4:24pm
Plotted By: Evan Schlegel

OFFICE
Pittsburgh, PA

DATE
5/21/18

DESIGNED BY

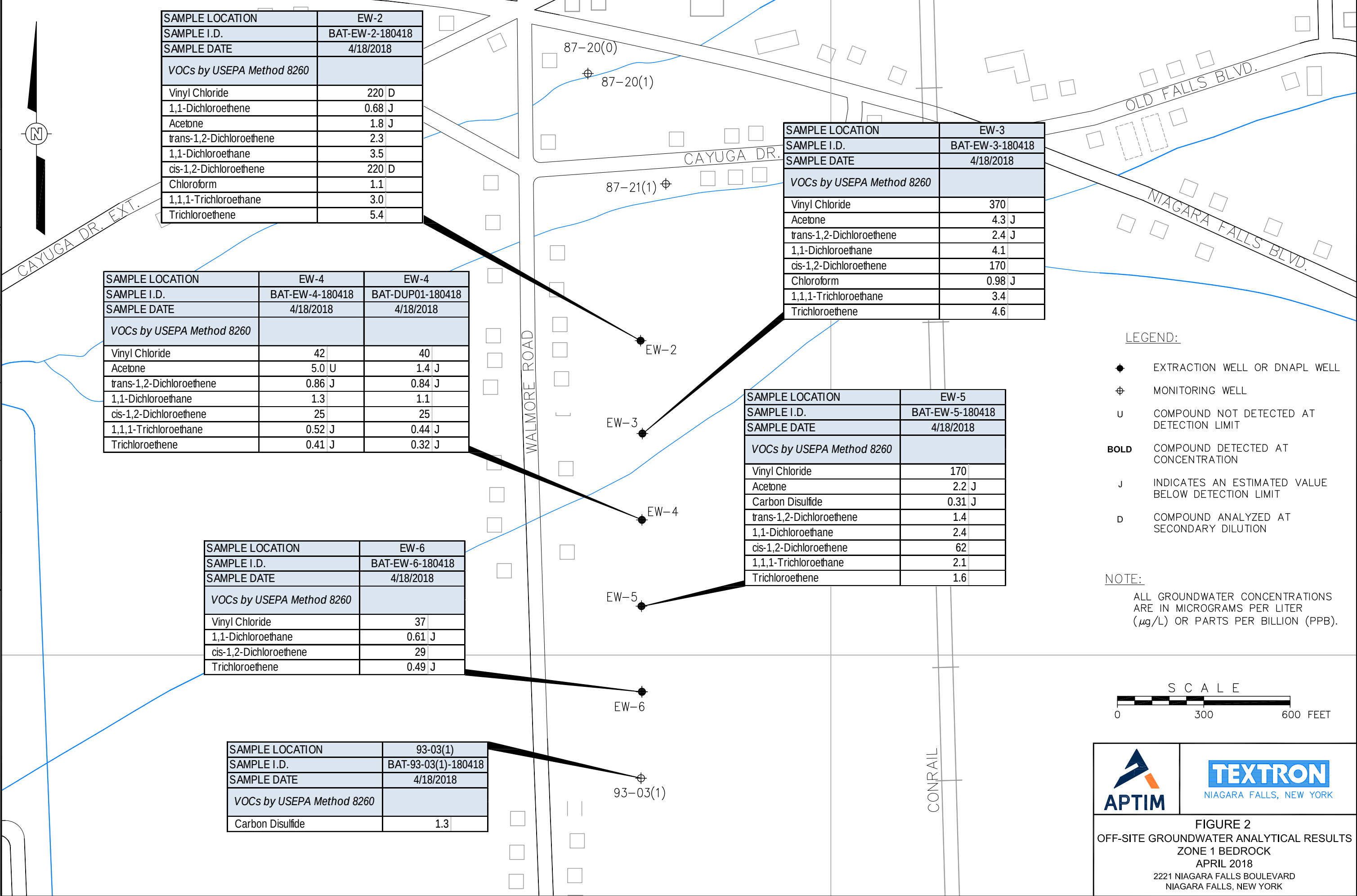
DRAWN BY
E. Schlegel

CHECKED BY

APPROVED BY

DRAWING
NUMBER

631236330-B2



Attachment A

Analytical Report



April 30, 2018

Service Request No:R1803547

Ms. Cecelia Byers
APTIM, Inc
2790 Mosside Boulevard
Monroeville, PA 15146

Laboratory Results for: Textron Wheatfield, NY

Dear Ms.Byers,

Enclosed are the results of the sample(s) submitted to our laboratory April 19, 2018
For your reference, these analyses have been assigned our service request number **R1803547**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Lisa
Schermerhorn

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: APTIM, Inc
Project: Textron Wheatfield, NY
Sample Matrix: Water

Service Request: R1803547
Date Received: 04/19/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Eight water samples were received for analysis at ALS Environmental on 04/19/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

A handwritten signature in black ink, appearing to read "Jamaica" or similar, with a stylized flourish at the end.

Approved by _____

Date 04/30/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-2-180418	Lab ID: R1803547-001

Analyte	Results	Flag	MDL	PQL	Units	Method
Vinyl Chloride	220	D	0.64	2.0	ug/L	8260C
1,1-Dichloroethene	0.68	J	0.57	1.0	ug/L	8260C
Acetone	1.8	J	1.3	5.0	ug/L	8260C
trans-1,2-Dichloroethene	2.3		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	3.5		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	220	D	0.60	2.0	ug/L	8260C
Chloroform	1.1		0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	3.0		0.36	1.0	ug/L	8260C
Trichloroethene	5.4		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-3-180418	Lab ID: R1803547-002

Analyte	Results	Flag	MDL	PQL	Units	Method
Vinyl Chloride	370		0.80	2.5	ug/L	8260C
Acetone	4.3	J	3.1	13	ug/L	8260C
trans-1,2-Dichloroethene	2.4	J	0.83	2.5	ug/L	8260C
1,1-Dichloroethane	4.1		0.50	2.5	ug/L	8260C
cis-1,2-Dichloroethene	170		0.75	2.5	ug/L	8260C
Chloroform	0.98	J	0.63	2.5	ug/L	8260C
1,1,1-Trichloroethane	3.4		0.90	2.5	ug/L	8260C
Trichloroethene	4.6		0.55	2.5	ug/L	8260C

CLIENT ID: BAT-EW-4-180418	Lab ID: R1803547-003

Analyte	Results	Flag	MDL	PQL	Units	Method
Vinyl Chloride	42		0.32	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.86	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	1.3		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	25		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.52	J	0.36	1.0	ug/L	8260C
Trichloroethene	0.41	J	0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-5-180418	Lab ID: R1803547-004

Analyte	Results	Flag	MDL	PQL	Units	Method
Vinyl Chloride	170		0.32	1.0	ug/L	8260C
Acetone	2.2	J	1.3	5.0	ug/L	8260C
Carbon Disulfide	0.31	J	0.22	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.4		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	2.4		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	62		0.30	1.0	ug/L	8260C
Chloroform	0.49	J	0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	2.1		0.36	1.0	ug/L	8260C
Trichloroethene	1.6		0.22	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-6-180418	Lab ID: R1803547-005

Analyte	Results	Flag	MDL	PQL	Units	Method
Vinyl Chloride	37		0.32	1.0	ug/L	8260C
1,1-Dichloroethane	0.61	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	29		0.30	1.0	ug/L	8260C
Trichloroethene	0.49	J	0.22	1.0	ug/L	8260C

CLIENT ID: BAT-93-03(1)-180418	Lab ID: R1803547-006

Analyte	Results	Flag	MDL	PQL	Units	Method
Carbon Disulfide	1.3		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-DUP01-180418	Lab ID: R1803547-007

Analyte	Results	Flag	MDL	PQL	Units	Method
Vinyl Chloride	40		0.32	1.0	ug/L	8260C
Acetone	1.4	J	1.3	5.0	ug/L	8260C
trans-1,2-Dichloroethene	0.84	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	1.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	25		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.44	J	0.36	1.0	ug/L	8260C
Trichloroethene	0.32	J	0.22	1.0	ug/L	8260C

CLIENT ID: TRIP BLANK	Lab ID: R1803547-008

Analyte	Results	Flag	MDL	PQL	Units	Method
Acetone	2.3	J	1.3	5.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330

Service Request:R1803547

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1803547-001	BAT-EW-2-180418	4/18/2018	1015
R1803547-002	BAT-EW-3-180418	4/18/2018	1035
R1803547-003	BAT-EW-4-180418	4/18/2018	1100
R1803547-004	BAT-EW-5-180418	4/18/2018	1200
R1803547-005	BAT-EW-6-180418	4/18/2018	1215
R1803547-006	BAT-93-03(1)-180418	4/18/2018	1245
R1803547-007	BAT-DUP01-180418	4/18/2018	
R1803547-008	TRIP BLANK	4/18/2018	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

49900

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name TEXTRON WHEATFIELD, NY		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																							
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE 1																							
Company/Address APTIM, INC. 13 BRITISH-AMERICAN BLVD. LATHAM, NY 12210		Email CECELIA.BYERS@APTIM.COM		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____																							
Phone # 518-785-1996		Sample's Signature Kevin Cronin		Sample's Printed Name KEVIN CROWIN		REMARKS/ ALTERNATE DESCRIPTION																					
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE		TIME		MATRIX																			
BAT-EW-2-180418				4/18/18		1015		GW		3		X															
BAT-EW-2-180418 MS										3		X															
BAT-EW-2-180418 MSA										3		X															
BAT-EW-3-180418						1035				3		X															
BAT-EW-4-180418						1100				3		X															
BAT-EW-5-180418						1200				3		X															
BAT-EW-6-180418						1215				3		X															
BAT-93-G3(1)-180418						1245				3		X															
BAT-DUP01-180418				4/18/18		—				3		X															
SPECIAL INSTRUCTIONS/COMMENTS Metals										TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day STANDARD REQUESTED REPORT DATE						REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No						INVOICE INFORMATION PO # BILL TO:					
STATE WHERE SAMPLES WERE COLLECTED																											
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY									
Signature Kevin Cronin		Signature Bob Cronin		Signature Bob Cronin		Signature Bob Cronin		Signature Bob Cronin		Signature Bob Cronin		Signature Bob Cronin		Signature Bob Cronin		Signature Bob Cronin		Signature Bob Cronin									
Printed Name KEVIN CROWIN		Printed Name BOB CROWIN		Printed Name BOB CROWIN		Printed Name BOB CROWIN		Printed Name BOB CROWIN		Printed Name BOB CROWIN		Printed Name BOB CROWIN		Printed Name BOB CROWIN		Printed Name BOB CROWIN		Printed Name BOB CROWIN									
Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM									
Date/Time 4/18/18 1550		Date/Time 4/18/18 1550		Date/Time 4/18/18 1550		Date/Time 4/18/18 1550		Date/Time 4/18/18 1550		Date/Time 4/18/18 1550		Date/Time 4/18/18 1550		Date/Time 4/18/18 1550		Date/Time 4/18/18 1550		Date/Time 4/18/18 1550									

R1803547
APTIM, Inc
Textron Wheatfield, NY



Cooler Receipt and Preservation Check Form

R1803547

5

APTIM, Inc.
Textron Wheatfield, NYProject/Client APTIM Folder Number _____Cooler received on 4-19-18 by: KECOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>(N)</u>
2	Custody papers properly completed (ink, signed)?	Y <u>(N)</u>
3	Did all bottles arrive in good condition (unbroken)?	Y <u>(N)</u>
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <u>(N)</u>

5a	Perchlorate samples have required headspace?	Y <u>(N)</u> <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <u>(N)</u> <u>NA</u>
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 4-19-18 Time: 09:22 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>2.4</u>						
Correction Factor (°C)	<u>0</u>						
Corrected Temp (°C)	<u>2.4</u>						
Temp from: Type of bottle							
Within 0-6°C?	<u>(Y)</u> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by KE on 4-19-18 at 09:26
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 4/20/18 Time: 1227 by: KE

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES (NO) date/time
10. Did all bottle labels and tags agree with custody papers? YES (NO)
11. Were correct containers used for the tests indicated? YES (NO)
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES (NO) N/A
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625; 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**	<u>4/15/170</u>					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 7-249-002
Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Rec'd Trip Bulk
not in COCLabels secondary reviewed by: @
PC Secondary Review: smv 4/24/18

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Approved	New Jersey ID # NY004	294100 A/B
DoD ELAP #65817	New York ID # 10145	Pennsylvania ID# 68-786
Florida ID # E87674	North Carolina #676	Rhode Island ID # 158
		Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330

Service Request: R1803547

Sample Name: BAT-EW-2-180418
Lab Code: R1803547-001
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/19/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-3-180418
Lab Code: R1803547-002
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/19/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-4-180418
Lab Code: R1803547-003
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/19/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-5-180418
Lab Code: R1803547-004
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/19/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-6-180418
Lab Code: R1803547-005
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/19/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330

Service Request: R1803547

Sample Name: BAT-93-03(1)-180418
Lab Code: R1803547-006
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/19/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-DUP01-180418
Lab Code: R1803547-007
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/19/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: TRIP BLANK
Lab Code: R1803547-008
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/19/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 10:15
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-2-180418
Lab Code: R1803547-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.21	1	04/25/18 12:50	
Vinyl Chloride	220 D	2.0	0.64	2	04/25/18 15:27	
Chloroethane	1.0 U	1.0	0.24	1	04/25/18 12:50	
Bromomethane	1.0 U	1.0	0.29	1	04/25/18 12:50	
1,1-Dichloroethene	0.68 J	1.0	0.57	1	04/25/18 12:50	
Acetone	1.8 J	5.0	1.3	1	04/25/18 12:50	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/25/18 12:50	
Methylene Chloride	1.0 U	1.0	0.60	1	04/25/18 12:50	
trans-1,2-Dichloroethene	2.3	1.0	0.33	1	04/25/18 12:50	
1,1-Dichloroethane	3.5	1.0	0.20	1	04/25/18 12:50	
cis-1,2-Dichloroethene	220 D	2.0	0.60	2	04/25/18 15:27	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/25/18 12:50	
Chloroform	1.1	1.0	0.25	1	04/25/18 12:50	
1,1,1-Trichloroethane	3.0	1.0	0.36	1	04/25/18 12:50	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/25/18 12:50	
Benzene	1.0 U	1.0	0.20	1	04/25/18 12:50	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/25/18 12:50	
Trichloroethene	5.4	1.0	0.22	1	04/25/18 12:50	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/25/18 12:50	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/25/18 12:50	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/25/18 12:50	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/25/18 12:50	
Toluene	1.0 U	1.0	0.20	1	04/25/18 12:50	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/25/18 12:50	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/25/18 12:50	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/25/18 12:50	
2-Hexanone	5.0 U	5.0	1.7	1	04/25/18 12:50	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/25/18 12:50	
Chlorobenzene	1.0 U	1.0	0.29	1	04/25/18 12:50	
Ethylbenzene	1.0 U	1.0	0.20	1	04/25/18 12:50	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/25/18 12:50	
o-Xylene	1.0 U	1.0	0.20	1	04/25/18 12:50	
Styrene	1.0 U	1.0	0.20	1	04/25/18 12:50	
Bromoform	1.0 U	1.0	0.42	1	04/25/18 12:50	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/25/18 12:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 10:15
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-2-180418
Lab Code: R1803547-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	04/25/18 12:50	
Toluene-d8	96	87 - 121	04/25/18 12:50	
Dibromofluoromethane	96	89 - 119	04/25/18 12:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 10:35
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-3-180418
Lab Code: R1803547-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.5 U	2.5	0.53	2.5	04/25/18 14:44	
Vinyl Chloride	370	2.5	0.80	2.5	04/25/18 14:44	
Chloroethane	2.5 U	2.5	0.60	2.5	04/25/18 14:44	
Bromomethane	2.5 U	2.5	0.73	2.5	04/25/18 14:44	
1,1-Dichloroethene	2.5 U	2.5	1.5	2.5	04/25/18 14:44	
Acetone	4.3 J	13	3.1	2.5	04/25/18 14:44	
Carbon Disulfide	2.5 U	2.5	0.55	2.5	04/25/18 14:44	
Methylene Chloride	2.5 U	2.5	1.5	2.5	04/25/18 14:44	
trans-1,2-Dichloroethene	2.4 J	2.5	0.83	2.5	04/25/18 14:44	
1,1-Dichloroethane	4.1	2.5	0.50	2.5	04/25/18 14:44	
cis-1,2-Dichloroethene	170	2.5	0.75	2.5	04/25/18 14:44	
2-Butanone (MEK)	13 U	13	2.1	2.5	04/25/18 14:44	
Chloroform	0.98 J	2.5	0.63	2.5	04/25/18 14:44	
1,1,1-Trichloroethane	3.4	2.5	0.90	2.5	04/25/18 14:44	
Carbon Tetrachloride	2.5 U	2.5	1.2	2.5	04/25/18 14:44	
Benzene	2.5 U	2.5	0.50	2.5	04/25/18 14:44	
1,2-Dichloroethane	2.5 U	2.5	0.90	2.5	04/25/18 14:44	
Trichloroethene	4.6	2.5	0.55	2.5	04/25/18 14:44	
1,2-Dichloropropane	2.5 U	2.5	0.50	2.5	04/25/18 14:44	
Bromodichloromethane	2.5 U	2.5	0.80	2.5	04/25/18 14:44	
cis-1,3-Dichloropropene	2.5 U	2.5	0.60	2.5	04/25/18 14:44	
4-Methyl-2-pentanone (MIBK)	13 U	13	1.7	2.5	04/25/18 14:44	
Toluene	2.5 U	2.5	0.50	2.5	04/25/18 14:44	
trans-1,3-Dichloropropene	2.5 U	2.5	0.50	2.5	04/25/18 14:44	
1,1,2-Trichloroethane	2.5 U	2.5	0.85	2.5	04/25/18 14:44	
Tetrachloroethene	2.5 U	2.5	0.75	2.5	04/25/18 14:44	
2-Hexanone	13 U	13	4.2	2.5	04/25/18 14:44	
Dibromochloromethane	2.5 U	2.5	0.78	2.5	04/25/18 14:44	
Chlorobenzene	2.5 U	2.5	0.73	2.5	04/25/18 14:44	
Ethylbenzene	2.5 U	2.5	0.50	2.5	04/25/18 14:44	
m,p-Xylenes	5.0 U	5.0	0.83	2.5	04/25/18 14:44	
o-Xylene	2.5 U	2.5	0.50	2.5	04/25/18 14:44	
Styrene	2.5 U	2.5	0.50	2.5	04/25/18 14:44	
Bromoform	2.5 U	2.5	1.1	2.5	04/25/18 14:44	
1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.63	2.5	04/25/18 14:44	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 10:35
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-3-180418
Lab Code: R1803547-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	04/25/18 14:44	
Toluene-d8	100	87 - 121	04/25/18 14:44	
Dibromofluoromethane	97	89 - 119	04/25/18 14:44	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 11:00
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-4-180418
Lab Code: R1803547-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.21	1	04/25/18 13:16	
Vinyl Chloride	42	1.0	0.32	1	04/25/18 13:16	
Chloroethane	1.0 U	1.0	0.24	1	04/25/18 13:16	
Bromomethane	1.0 U	1.0	0.29	1	04/25/18 13:16	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/25/18 13:16	
Acetone	5.0 U	5.0	1.3	1	04/25/18 13:16	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/25/18 13:16	
Methylene Chloride	1.0 U	1.0	0.60	1	04/25/18 13:16	
trans-1,2-Dichloroethene	0.86 J	1.0	0.33	1	04/25/18 13:16	
1,1-Dichloroethane	1.3	1.0	0.20	1	04/25/18 13:16	
cis-1,2-Dichloroethene	25	1.0	0.30	1	04/25/18 13:16	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/25/18 13:16	
Chloroform	1.0 U	1.0	0.25	1	04/25/18 13:16	
1,1,1-Trichloroethane	0.52 J	1.0	0.36	1	04/25/18 13:16	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/25/18 13:16	
Benzene	1.0 U	1.0	0.20	1	04/25/18 13:16	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/25/18 13:16	
Trichloroethene	0.41 J	1.0	0.22	1	04/25/18 13:16	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/25/18 13:16	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/25/18 13:16	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/25/18 13:16	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/25/18 13:16	
Toluene	1.0 U	1.0	0.20	1	04/25/18 13:16	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/25/18 13:16	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/25/18 13:16	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/25/18 13:16	
2-Hexanone	5.0 U	5.0	1.7	1	04/25/18 13:16	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/25/18 13:16	
Chlorobenzene	1.0 U	1.0	0.29	1	04/25/18 13:16	
Ethylbenzene	1.0 U	1.0	0.20	1	04/25/18 13:16	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/25/18 13:16	
o-Xylene	1.0 U	1.0	0.20	1	04/25/18 13:16	
Styrene	1.0 U	1.0	0.20	1	04/25/18 13:16	
Bromoform	1.0 U	1.0	0.42	1	04/25/18 13:16	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/25/18 13:16	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 11:00
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-4-180418
Lab Code: R1803547-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	04/25/18 13:16	
Toluene-d8	98	87 - 121	04/25/18 13:16	
Dibromofluoromethane	96	89 - 119	04/25/18 13:16	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 12:00
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-5-180418
Lab Code: R1803547-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.21	1	04/25/18 15:05	
Vinyl Chloride	170	1.0	0.32	1	04/25/18 15:05	
Chloroethane	1.0 U	1.0	0.24	1	04/25/18 15:05	
Bromomethane	1.0 U	1.0	0.29	1	04/25/18 15:05	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/25/18 15:05	
Acetone	2.2 J	5.0	1.3	1	04/25/18 15:05	
Carbon Disulfide	0.31 J	1.0	0.22	1	04/25/18 15:05	
Methylene Chloride	1.0 U	1.0	0.60	1	04/25/18 15:05	
trans-1,2-Dichloroethene	1.4	1.0	0.33	1	04/25/18 15:05	
1,1-Dichloroethane	2.4	1.0	0.20	1	04/25/18 15:05	
cis-1,2-Dichloroethene	62	1.0	0.30	1	04/25/18 15:05	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/25/18 15:05	
Chloroform	0.49 J	1.0	0.25	1	04/25/18 15:05	
1,1,1-Trichloroethane	2.1	1.0	0.36	1	04/25/18 15:05	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/25/18 15:05	
Benzene	1.0 U	1.0	0.20	1	04/25/18 15:05	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/25/18 15:05	
Trichloroethene	1.6	1.0	0.22	1	04/25/18 15:05	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/25/18 15:05	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/25/18 15:05	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/25/18 15:05	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/25/18 15:05	
Toluene	1.0 U	1.0	0.20	1	04/25/18 15:05	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/25/18 15:05	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/25/18 15:05	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/25/18 15:05	
2-Hexanone	5.0 U	5.0	1.7	1	04/25/18 15:05	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/25/18 15:05	
Chlorobenzene	1.0 U	1.0	0.29	1	04/25/18 15:05	
Ethylbenzene	1.0 U	1.0	0.20	1	04/25/18 15:05	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/25/18 15:05	
o-Xylene	1.0 U	1.0	0.20	1	04/25/18 15:05	
Styrene	1.0 U	1.0	0.20	1	04/25/18 15:05	
Bromoform	1.0 U	1.0	0.42	1	04/25/18 15:05	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/25/18 15:05	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 12:00
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-5-180418
Lab Code: R1803547-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/25/18 15:05	
Toluene-d8	98	87 - 121	04/25/18 15:05	
Dibromofluoromethane	96	89 - 119	04/25/18 15:05	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 12:15
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-6-180418
Lab Code: R1803547-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.21	1	04/25/18 15:49	
Vinyl Chloride	37	1.0	0.32	1	04/25/18 15:49	
Chloroethane	1.0 U	1.0	0.24	1	04/25/18 15:49	
Bromomethane	1.0 U	1.0	0.29	1	04/25/18 15:49	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/25/18 15:49	
Acetone	5.0 U	5.0	1.3	1	04/25/18 15:49	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/25/18 15:49	
Methylene Chloride	1.0 U	1.0	0.60	1	04/25/18 15:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/25/18 15:49	
1,1-Dichloroethane	0.61 J	1.0	0.20	1	04/25/18 15:49	
cis-1,2-Dichloroethene	29	1.0	0.30	1	04/25/18 15:49	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/25/18 15:49	
Chloroform	1.0 U	1.0	0.25	1	04/25/18 15:49	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/25/18 15:49	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/25/18 15:49	
Benzene	1.0 U	1.0	0.20	1	04/25/18 15:49	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/25/18 15:49	
Trichloroethene	0.49 J	1.0	0.22	1	04/25/18 15:49	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/25/18 15:49	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/25/18 15:49	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/25/18 15:49	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/25/18 15:49	
Toluene	1.0 U	1.0	0.20	1	04/25/18 15:49	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/25/18 15:49	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/25/18 15:49	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/25/18 15:49	
2-Hexanone	5.0 U	5.0	1.7	1	04/25/18 15:49	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/25/18 15:49	
Chlorobenzene	1.0 U	1.0	0.29	1	04/25/18 15:49	
Ethylbenzene	1.0 U	1.0	0.20	1	04/25/18 15:49	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/25/18 15:49	
o-Xylene	1.0 U	1.0	0.20	1	04/25/18 15:49	
Styrene	1.0 U	1.0	0.20	1	04/25/18 15:49	
Bromoform	1.0 U	1.0	0.42	1	04/25/18 15:49	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/25/18 15:49	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 12:15
Date Received: 04/19/18 09:10

Sample Name: BAT-EW-6-180418
Lab Code: R1803547-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/25/18 15:49	
Toluene-d8	96	87 - 121	04/25/18 15:49	
Dibromofluoromethane	96	89 - 119	04/25/18 15:49	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 12:45
Date Received: 04/19/18 09:10

Sample Name: BAT-93-03(1)-180418
Lab Code: R1803547-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.21	1	04/25/18 16:57	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/25/18 16:57	
Chloroethane	1.0 U	1.0	0.24	1	04/25/18 16:57	
Bromomethane	1.0 U	1.0	0.29	1	04/25/18 16:57	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/25/18 16:57	
Acetone	5.0 U	5.0	1.3	1	04/25/18 16:57	
Carbon Disulfide	1.3	1.0	0.22	1	04/25/18 16:57	
Methylene Chloride	1.0 U	1.0	0.60	1	04/25/18 16:57	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/25/18 16:57	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	04/25/18 16:57	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	04/25/18 16:57	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/25/18 16:57	
Chloroform	1.0 U	1.0	0.25	1	04/25/18 16:57	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/25/18 16:57	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/25/18 16:57	
Benzene	1.0 U	1.0	0.20	1	04/25/18 16:57	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/25/18 16:57	
Trichloroethene	1.0 U	1.0	0.22	1	04/25/18 16:57	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/25/18 16:57	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/25/18 16:57	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/25/18 16:57	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/25/18 16:57	
Toluene	1.0 U	1.0	0.20	1	04/25/18 16:57	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/25/18 16:57	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/25/18 16:57	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/25/18 16:57	
2-Hexanone	5.0 U	5.0	1.7	1	04/25/18 16:57	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/25/18 16:57	
Chlorobenzene	1.0 U	1.0	0.29	1	04/25/18 16:57	
Ethylbenzene	1.0 U	1.0	0.20	1	04/25/18 16:57	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/25/18 16:57	
o-Xylene	1.0 U	1.0	0.20	1	04/25/18 16:57	
Styrene	1.0 U	1.0	0.20	1	04/25/18 16:57	
Bromoform	1.0 U	1.0	0.42	1	04/25/18 16:57	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/25/18 16:57	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18 12:45
Date Received: 04/19/18 09:10

Sample Name: BAT-93-03(1)-180418
Lab Code: R1803547-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	04/25/18 16:57	
Toluene-d8	99	87 - 121	04/25/18 16:57	
Dibromofluoromethane	98	89 - 119	04/25/18 16:57	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18
Date Received: 04/19/18 09:10

Sample Name: BAT-DUP01-180418
Lab Code: R1803547-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.21	1	04/25/18 13:38	
Vinyl Chloride	40	1.0	0.32	1	04/25/18 13:38	
Chloroethane	1.0 U	1.0	0.24	1	04/25/18 13:38	
Bromomethane	1.0 U	1.0	0.29	1	04/25/18 13:38	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/25/18 13:38	
Acetone	1.4 J	5.0	1.3	1	04/25/18 13:38	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/25/18 13:38	
Methylene Chloride	1.0 U	1.0	0.60	1	04/25/18 13:38	
trans-1,2-Dichloroethene	0.84 J	1.0	0.33	1	04/25/18 13:38	
1,1-Dichloroethane	1.1	1.0	0.20	1	04/25/18 13:38	
cis-1,2-Dichloroethene	25	1.0	0.30	1	04/25/18 13:38	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/25/18 13:38	
Chloroform	1.0 U	1.0	0.25	1	04/25/18 13:38	
1,1,1-Trichloroethane	0.44 J	1.0	0.36	1	04/25/18 13:38	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/25/18 13:38	
Benzene	1.0 U	1.0	0.20	1	04/25/18 13:38	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/25/18 13:38	
Trichloroethene	0.32 J	1.0	0.22	1	04/25/18 13:38	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/25/18 13:38	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/25/18 13:38	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/25/18 13:38	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/25/18 13:38	
Toluene	1.0 U	1.0	0.20	1	04/25/18 13:38	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/25/18 13:38	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/25/18 13:38	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/25/18 13:38	
2-Hexanone	5.0 U	5.0	1.7	1	04/25/18 13:38	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/25/18 13:38	
Chlorobenzene	1.0 U	1.0	0.29	1	04/25/18 13:38	
Ethylbenzene	1.0 U	1.0	0.20	1	04/25/18 13:38	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/25/18 13:38	
o-Xylene	1.0 U	1.0	0.20	1	04/25/18 13:38	
Styrene	1.0 U	1.0	0.20	1	04/25/18 13:38	
Bromoform	1.0 U	1.0	0.42	1	04/25/18 13:38	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/25/18 13:38	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18
Date Received: 04/19/18 09:10

Sample Name: BAT-DUP01-180418
Lab Code: R1803547-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	04/25/18 13:38	
Toluene-d8	99	87 - 121	04/25/18 13:38	
Dibromofluoromethane	99	89 - 119	04/25/18 13:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18
Date Received: 04/19/18 09:10

Sample Name: TRIP BLANK
Lab Code: R1803547-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.21	1	04/25/18 12:29	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/25/18 12:29	
Chloroethane	1.0 U	1.0	0.24	1	04/25/18 12:29	
Bromomethane	1.0 U	1.0	0.29	1	04/25/18 12:29	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/25/18 12:29	
Acetone	2.3 J	5.0	1.3	1	04/25/18 12:29	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/25/18 12:29	
Methylene Chloride	1.0 U	1.0	0.60	1	04/25/18 12:29	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/25/18 12:29	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	04/25/18 12:29	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	04/25/18 12:29	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/25/18 12:29	
Chloroform	1.0 U	1.0	0.25	1	04/25/18 12:29	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/25/18 12:29	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/25/18 12:29	
Benzene	1.0 U	1.0	0.20	1	04/25/18 12:29	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/25/18 12:29	
Trichloroethene	1.0 U	1.0	0.22	1	04/25/18 12:29	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/25/18 12:29	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/25/18 12:29	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/25/18 12:29	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/25/18 12:29	
Toluene	1.0 U	1.0	0.20	1	04/25/18 12:29	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/25/18 12:29	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/25/18 12:29	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/25/18 12:29	
2-Hexanone	5.0 U	5.0	1.7	1	04/25/18 12:29	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/25/18 12:29	
Chlorobenzene	1.0 U	1.0	0.29	1	04/25/18 12:29	
Ethylbenzene	1.0 U	1.0	0.20	1	04/25/18 12:29	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/25/18 12:29	
o-Xylene	1.0 U	1.0	0.20	1	04/25/18 12:29	
Styrene	1.0 U	1.0	0.20	1	04/25/18 12:29	
Bromoform	1.0 U	1.0	0.42	1	04/25/18 12:29	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/25/18 12:29	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18
Date Received: 04/19/18 09:10

Sample Name: TRIP BLANK
Lab Code: R1803547-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	04/25/18 12:29	
Toluene-d8	99	87 - 121	04/25/18 12:29	
Dibromofluoromethane	95	89 - 119	04/25/18 12:29	



QC Summary Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	89 - 119	87 - 121
BAT-EW-2-180418	R1803547-001	95	96	96
BAT-EW-3-180418	R1803547-002	97	97	100
BAT-EW-4-180418	R1803547-003	95	96	98
BAT-EW-5-180418	R1803547-004	94	96	98
BAT-EW-6-180418	R1803547-005	94	96	96
BAT-93-03(1)-180418	R1803547-006	96	98	99
BAT-DUP01-180418	R1803547-007	95	99	99
TRIP BLANK	R1803547-008	95	95	99
Lab Control Sample	RQ1804059-03	98	98	99
Method Blank	RQ1804059-04	95	94	97
BAT-EW-2-180418 MS	RQ1804059-05	98	99	99
BAT-EW-2-180418 DMS	RQ1804059-06	99	100	97

ALS Group USA, Corp.
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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: 04/18/18
Date Received: 04/19/18
Date Analyzed: 04/25/18

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: BAT-EW-2-180418
Lab Code: R1803547-001
Analysis Method: 8260C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1804059-05				Duplicate Matrix Spike RQ1804059-06				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Chloromethane	2.0 U	99.9	100	100	102	100	102	55-160	2	30
Vinyl Chloride	220 D	311	100	89	324	100	101	60-157	4	30
Chloroethane	2.0 U	89.5	100	89	89.5	100	90	70-140	<1	30
Bromomethane	2.0 U	54.1	100	54	61.0	100	61	10-162	12	30
1,1-Dichloroethene	0.68 J	101	100	100	99.2	100	99	74-139	2	30
Acetone	1.8 J	92.4	100	91	94.7	100	93	29-151	2	30
Carbon Disulfide	2.0 U	95.5	100	95	99.3	100	99	34-162	4	30
Methylene Chloride	2.0 U	95.6	100	96	99.0	100	99	75-121	3	30
trans-1,2-Dichloroethene	2.3	100	100	98	102	100	99	77-125	1	30
1,1-Dichloroethane	3.5	112	100	109	112	100	109	74-132	<1	30
cis-1,2-Dichloroethene	220 D	315	100	93	321	100	98	72-133	2	30
2-Butanone (MEK)	10 U	105	100	105	105	100	105	46-141	<1	30
Chloroform	1.1	109	100	108	109	100	108	75-130	<1	30
1,1,1-Trichloroethane	3.0	102	100	99	102	100	99	74-127	<1	30
Carbon Tetrachloride	2.0 U	95.5	100	95	96.8	100	97	65-135	1	30
Benzene	2.0 U	108	100	108	108	100	108	76-129	<1	30
1,2-Dichloroethane	2.0 U	108	100	108	107	100	107	68-130	2	30
Trichloroethene	5.4	103	100	98	104	100	99	62-142	1	30
1,2-Dichloropropane	2.0 U	110	100	110	109	100	109	79-124	<1	30
Bromodichloromethane	2.0 U	100	100	100	101	100	101	76-127	<1	30
cis-1,3-Dichloropropene	2.0 U	101	100	101	101	100	101	52-134	<1	30
4-Methyl-2-pentanone (MIBK)	10 U	111	100	111	109	100	109	60-141	2	30
Toluene	2.0 U	102	100	102	99.5	100	100	79-125	2	30
trans-1,3-Dichloropropene	2.0 U	97.8	100	98	99.1	100	99	50-142	1	30
1,1,2-Trichloroethane	2.0 U	106	100	106	103	100	103	79-119	3	30
Tetrachloroethene	2.0 U	101	100	101	102	100	102	67-137	<1	30
2-Hexanone	10 U	108	100	108	104	100	104	56-132	4	30
Dibromochloromethane	2.0 U	98.4	100	98	99.2	100	99	72-128	<1	30
Chlorobenzene	2.0 U	98.1	100	98	97.3	100	97	76-125	<1	30
Ethylbenzene	2.0 U	103	100	103	102	100	102	72-134	1	30
m,p-Xylenes	4.0 U	204	200	102	200	200	100	68-138	2	30
o-Xylene	2.0 U	99.3	100	99	99.4	100	99	68-134	<1	30
Styrene	2.0 U	101	100	101	102	100	102	34-156	<1	30
Bromoform	2.0 U	93.2	100	93	95.8	100	96	58-133	3	30
1,1,2,2-Tetrachloroethane	2.0 U	107	100	107	108	100	108	72-122	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1804059-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.21	1	04/25/18 11:21	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/25/18 11:21	
Chloroethane	1.0 U	1.0	0.24	1	04/25/18 11:21	
Bromomethane	1.0 U	1.0	0.29	1	04/25/18 11:21	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/25/18 11:21	
Acetone	5.0 U	5.0	1.3	1	04/25/18 11:21	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/25/18 11:21	
Methylene Chloride	1.0 U	1.0	0.60	1	04/25/18 11:21	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/25/18 11:21	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	04/25/18 11:21	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	04/25/18 11:21	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/25/18 11:21	
Chloroform	1.0 U	1.0	0.25	1	04/25/18 11:21	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/25/18 11:21	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/25/18 11:21	
Benzene	1.0 U	1.0	0.20	1	04/25/18 11:21	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/25/18 11:21	
Trichloroethene	1.0 U	1.0	0.22	1	04/25/18 11:21	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/25/18 11:21	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/25/18 11:21	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/25/18 11:21	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/25/18 11:21	
Toluene	1.0 U	1.0	0.20	1	04/25/18 11:21	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/25/18 11:21	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/25/18 11:21	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/25/18 11:21	
2-Hexanone	5.0 U	5.0	1.7	1	04/25/18 11:21	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/25/18 11:21	
Chlorobenzene	1.0 U	1.0	0.29	1	04/25/18 11:21	
Ethylbenzene	1.0 U	1.0	0.20	1	04/25/18 11:21	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/25/18 11:21	
o-Xylene	1.0 U	1.0	0.20	1	04/25/18 11:21	
Styrene	1.0 U	1.0	0.20	1	04/25/18 11:21	
Bromoform	1.0 U	1.0	0.42	1	04/25/18 11:21	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/25/18 11:21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ1804059-04

Service Request: R1803547
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	04/25/18 11:21	
Toluene-d8	97	87 - 121	04/25/18 11:21	
Dibromofluoromethane	94	89 - 119	04/25/18 11:21	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Analyzed: 04/25/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1804059-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	21.1	20.0	105	69-145
Vinyl Chloride	8260C	20.9	20.0	104	69-133
Chloroethane	8260C	17.7	20.0	89	70-127
Bromomethane	8260C	16.6	20.0	83	42-166
1,1-Dichloroethene	8260C	19.8	20.0	99	74-135
Acetone	8260C	16.6	20.0	83	40-161
Carbon Disulfide	8260C	17.8	20.0	89	65-127
Methylene Chloride	8260C	19.1	20.0	96	73-122
trans-1,2-Dichloroethene	8260C	19.7	20.0	99	80-120
1,1-Dichloroethane	8260C	21.1	20.0	105	78-117
cis-1,2-Dichloroethene	8260C	19.6	20.0	98	80-121
2-Butanone (MEK)	8260C	19.1	20.0	95	61-137
Chloroform	8260C	21.1	20.0	106	76-120
1,1,1-Trichloroethane	8260C	19.7	20.0	98	74-120
Carbon Tetrachloride	8260C	18.7	20.0	94	68-125
Benzene	8260C	20.9	20.0	105	76-118
1,2-Dichloroethane	8260C	21.6	20.0	108	71-127
Trichloroethene	8260C	19.0	20.0	95	78-123
1,2-Dichloropropane	8260C	21.3	20.0	106	80-119
Bromodichloromethane	8260C	19.3	20.0	96	78-126
cis-1,3-Dichloropropene	8260C	19.1	20.0	96	74-126
4-Methyl-2-pentanone (MIBK)	8260C	20.2	20.0	101	66-124
Toluene	8260C	19.3	20.0	96	77-120
trans-1,3-Dichloropropene	8260C	18.7	20.0	94	67-135
1,1,2-Trichloroethane	8260C	20.2	20.0	101	82-118
Tetrachloroethene	8260C	20.2	20.0	101	78-124
2-Hexanone	8260C	18.8	20.0	94	63-124
Dibromochloromethane	8260C	18.8	20.0	94	77-128
Chlorobenzene	8260C	19.5	20.0	97	80-121
Ethylbenzene	8260C	20.8	20.0	104	76-120
m,p-Xylenes	8260C	39.7	40.0	99	78-123
o-Xylene	8260C	19.4	20.0	97	80-120
Styrene	8260C	19.5	20.0	98	80-124

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803547
Date Analyzed: 04/25/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1804059-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	17.9	20.0	89	71-136
1,1,2,2-Tetrachloroethane	8260C	19.5	20.0	97	78-122

Appendix F

ALS Environmental, Inc. Analytical Report



November 12, 2018

Service Request No:R1810578

Ms. Cecelia Byers
APTIM, Inc
2790 Mosside Boulevard
Monroeville, PA 15146

Laboratory Results for: Textron Wheatfield Annual

Dear Ms.Byers,

Enclosed are the results of the sample(s) submitted to our laboratory October 31, 2018
For your reference, these analyses have been assigned our service request number **R1810578**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Lisa
Schermerhorn

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: APTIM, Inc
Project: Textron Wheatfield Annual
Sample Matrix: Water

Service Request: R1810578
Date Received: 10/31/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Nineteen water samples were received for analysis at ALS Environmental on 10/31/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Volatiles by GC/MS:

Method 8260C, 11/08/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

A handwritten signature in black ink, appearing to read "Jamar" followed by a stylized flourish.

Approved by _____

Date 11/12/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-02 (1)-181030	Lab ID: R1810578-001

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	35		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.31	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	1.1		0.31	1.0	ug/L	8260C
Methylene Chloride	21		0.47	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.93	J	0.26	1.0	ug/L	8260C
1,1-Dichloroethane	6.5		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	49		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	12		0.25	1.0	ug/L	8260C
Trichloroethene	39		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-87-02(3)-181030	Lab ID: R1810578-002

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	2.5	J	2.1	5.0	ug/L	8260C
Carbon Disulfide	3.4		0.31	1.0	ug/L	8260C

CLIENT ID: BAT-87-01(1)-181030	Lab ID: R1810578-003

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	160		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.73	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	12		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	7.3		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	13		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	190		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	20		0.25	1.0	ug/L	8260C
Trichloroethene	4.1		0.20	1.0	ug/L	8260C
Toluene	0.30	J	0.20	1.0	ug/L	8260C
o-Xylene	0.23	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-EW-6-181030	Lab ID: R1810578-004

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloromethane	0.33	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	0.47	J	0.31	1.0	ug/L	8260C
1,1-Dichloroethane	0.55	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	2.1		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.39	J	0.25	1.0	ug/L	8260C
Trichloroethene	0.42	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-93-03(1)-181030	Lab ID: R1810578-005

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	0.82	J	0.31	1.0	ug/L	8260C

CLIENT ID: BAT-EW-5-181030	Lab ID: R1810578-006

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	72		0.22	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-5-181030	Lab ID: R1810578-006

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	1.1		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.99	J	0.26	1.0	ug/L	8260C
1,1-Dichloroethane	2.0		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	19		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.1		0.25	1.0	ug/L	8260C
Trichloroethene	0.62	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-EW-4-181030	Lab ID: R1810578-007

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	63		0.22	1.0	ug/L	8260C
Carbon Disulfide	1.9		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.7		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	1.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	34		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.93	J	0.25	1.0	ug/L	8260C
Trichloroethene	0.72	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-EW-3-181030	Lab ID: R1810578-008

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	650	D	1.1	5.0	ug/L	8260C
1,1-Dichloroethene	0.83	J	0.70	2.5	ug/L	8260C
Carbon Disulfide	5.5		0.78	2.5	ug/L	8260C
trans-1,2-Dichloroethene	5.2		0.65	2.5	ug/L	8260C
1,1-Dichloroethane	10		0.50	2.5	ug/L	8260C
cis-1,2-Dichloroethene	120		0.65	2.5	ug/L	8260C
1,1,1-Trichloroethane	12		0.63	2.5	ug/L	8260C
Trichloroethene	4.0		0.50	2.5	ug/L	8260C

CLIENT ID: BAT-EW-2-181030	Lab ID: R1810578-009

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	170		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.28	J	0.28	1.0	ug/L	8260C
trans-1,2-Dichloroethene	2.1		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	4.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	55		0.26	1.0	ug/L	8260C
Chloroform	1.2		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	3.9		0.25	1.0	ug/L	8260C
Trichloroethene	5.1		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DUP-1-181030	Lab ID: R1810578-010

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	750		2.2	10	ug/L	8260C
1,1-Dichloroethene	7.2	J	2.8	10	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-DUP-1-181030	Lab ID: R1810578-010

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	20		3.1	10	ug/L	8260C
trans-1,2-Dichloroethene	7.4	J	2.6	10	ug/L	8260C
1,1-Dichloroethane	9.1	J	2.0	10	ug/L	8260C
cis-1,2-Dichloroethene	2300	D	5.2	20	ug/L	8260C
1,1,1-Trichloroethane	13		2.5	10	ug/L	8260C
Trichloroethene	26		2.0	10	ug/L	8260C

CLIENT ID: BAT-87-20(0)-181030	Lab ID: R1810578-011

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	0.79	J	0.31	1.0	ug/L	8260C

CLIENT ID: BAT-87-20(1)-181030	Lab ID: R1810578-012

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	730		2.2	10	ug/L	8260C
1,1-Dichloroethene	7.6	J	2.8	10	ug/L	8260C
Carbon Disulfide	18		3.1	10	ug/L	8260C
trans-1,2-Dichloroethene	7.7	J	2.6	10	ug/L	8260C
1,1-Dichloroethane	11		2.0	10	ug/L	8260C
cis-1,2-Dichloroethene	2300	D	5.2	20	ug/L	8260C
1,1,1-Trichloroethane	14		2.5	10	ug/L	8260C
Trichloroethene	28		2.0	10	ug/L	8260C

CLIENT ID: BAT-89-04(1)-181030	Lab ID: R1810578-013

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	0.40	J	0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.49	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	9.9		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.41	J	0.26	1.0	ug/L	8260C
cis-1,2-Dichloroethene	2.0		0.26	1.0	ug/L	8260C
Trichloroethene	1.3		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-87-22(1)-181030	Lab ID: R1810578-014

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	1700		4.4	20	ug/L	8260C
1,1-Dichloroethene	9.0	J	5.6	20	ug/L	8260C
Carbon Disulfide	26		6.2	20	ug/L	8260C
trans-1,2-Dichloroethene	17	J	5.2	20	ug/L	8260C
1,1-Dichloroethane	11	J	4.0	20	ug/L	8260C
cis-1,2-Dichloroethene	3300		5.2	20	ug/L	8260C
Trichloroethene	20	J	4.0	20	ug/L	8260C

CLIENT ID: BAT-87-19(1)-181030	Lab ID: R1810578-015

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	3.5		0.22	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-19(1)-181030	Lab ID: R1810578-015

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	1.6		0.31	1.0	ug/L	8260C
cis-1,2-Dichloroethene	5.3		0.26	1.0	ug/L	8260C

CLIENT ID: BAT-87-21(1)-181030	Lab ID: R1810578-016

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	1.3		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.34	J	0.26	1.0	ug/L	8260C
1,1-Dichloroethane	1.6		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	5.7		0.26	1.0	ug/L	8260C
Chloroform	1.4		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.7		0.25	1.0	ug/L	8260C
Trichloroethene	3.5		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-89-14(1)-181030	Lab ID: R1810578-017

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloromethane	0.30	J	0.28	1.0	ug/L	8260C
Vinyl Chloride	140		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.41	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	1.8		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.3		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	11		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	49		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.46	J	0.25	1.0	ug/L	8260C
Trichloroethene	0.96	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-B-14(1)-181030	Lab ID: R1810578-019

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	170		0.44	2.0	ug/L	8260C
1,1-Dichloroethene	0.80	J	0.56	2.0	ug/L	8260C
Carbon Disulfide	2.5		0.62	2.0	ug/L	8260C
trans-1,2-Dichloroethene	1.8	J	0.52	2.0	ug/L	8260C
1,1-Dichloroethane	14		0.40	2.0	ug/L	8260C
cis-1,2-Dichloroethene	140		0.52	2.0	ug/L	8260C
1,1,1-Trichloroethane	41		0.50	2.0	ug/L	8260C
Trichloroethene	1.2	J	0.40	2.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request:R1810578

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1810578-001	BAT-87-02 (1)-181030	10/30/2018	1000
R1810578-002	BAT-87-02(3)-181030	10/30/2018	1005
R1810578-003	BAT-87-01(1)-181030	10/30/2018	1030
R1810578-004	BAT-EW-6-181030	10/30/2018	1055
R1810578-005	BAT-93-03(1)-181030	10/30/2018	1115
R1810578-006	BAT-EW-5-181030	10/30/2018	1150
R1810578-007	BAT-EW-4-181030	10/30/2018	1225
R1810578-008	BAT-EW-3-181030	10/30/2018	1240
R1810578-009	BAT-EW-2-181030	10/30/2018	1305
R1810578-010	BAT-DUP-1-181030	10/30/2018	
R1810578-011	BAT-87-20(0)-181030	10/30/2018	1435
R1810578-012	BAT-87-20(1)-181030	10/30/2018	1440
R1810578-013	BAT-89-04(1)-181030	10/30/2018	1520
R1810578-014	BAT-87-22(1)-181030	10/30/2018	1545
R1810578-015	BAT-87-19(1)-181030	10/30/2018	1610
R1810578-016	BAT-87-21(1)-181030	10/30/2018	1640
R1810578-017	BAT-89-14(1)-181030	10/30/2018	1700
R1810578-018	BAT-89-14(0)-181030	10/30/2018	1705
R1810578-019	BAT-B-14(1)-181030	10/30/2018	1735



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48379

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name TEXTRON ANNUAL		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE 1																	
Company/Address APTIM, INC 500 PENN CENTER BLVD. SUITE 1000 PITTSBURGH, PA 15235		Email CECELIA.BYERS@APTIM.COM		NUMBER OF CONTAINERS GC/MS VOCs • 8260 • 824 • CLP GC/MS SVOCs • 8270 • 825 GC VOCs • 8021 • 801802 PESTICIDES • 8091 • 808 PCBs • 8082 • 808 METALS TOTAL (List in comments below) METALS DISSOLVED (List in comments below) PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION																	
Phone # 412-858-3977		Sample's Signature Kevin Cronin																		Sample's Printed Name KEVIN CROWIN	
CLIENT SAMPLE ID	FOR OFFICE USE - ONLY LAB ID	SAMPLING DATE		TIME	MATRIX																
BAT-87-02(1)-181030		10/30/18		1000	GW	3	X														
BAT-87-02(3)-181030				1005																	
BAT-87-01(1)-181030				1030																	
BAT-87-01(1)-181030	3 vials s/s bottle			1055																	
BAT-87-03(1)-181030	2 vials s/s bottle			1115																	
BAT-EW-5-181030				1150																	
BAT-EW-4-181030	2 vials s/s bottle			1225																	
BAT-EW-4-181030/MS/MSD	↓			1225		6															
BAT-EW-3-181030	3 vials s/s bottle			1240		3															
BAT-EW-2-181030				1305																	
BAT-DUP-1-181030																					
SPECIAL INSTRUCTIONS/COMMENTS Metals						TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day ____ STANDARD REQUESTED REPORT DATE _____						REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata ____ Yes ____ No						INVOICE INFORMATION PO # 206759 BILL TO:			
STATE WHERE SAMPLES WERE COLLECTED																					
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature Kevin Cronin		Signature Kevin Cronin		Signature Kevin Cronin		Signature Kevin Cronin		Signature Kevin Cronin		Signature Kevin Cronin		Signature Kevin Cronin		Signature Kevin Cronin							
Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN							
Firm APTIM		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS							
Date/Time 10/31/18 1330		Date/Time 10/31/18 1330		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18							

R1810578

APTIM, Inc
Textron Wheatfield Annual

5



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48378

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE

2 OF 2

Project Name Texton Annual		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																			
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE 1																																			
Company/Address APTIM, INC.		Email CECELIA.BYERS@APTIM.COM		NUMBER OF CONTAINERS GC/MS VOAs • 8250 • 824 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8089 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION																																			
500 PENN CENTER BLVD. SUITE 1000		PITTSBURGH, PA 15235																																					
Phone # 412-858-3977		Sample's Signature Kevin Cronin																																					
Sample's Printed Name KEVIN CRONIN		Sampler's Printed Name																																					
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE		TIME		MATRIX																															
BAT-87-20(0)181030				10/30/18		1435		GW		3		X																											
BAT-87-20(1)181030						1440																																	
BAT-89-04(1)181030		2 vials, 15 min. bottles				1520																																	
BAT-87-22(1)181030		2 vials				1545																																	
BAT-87-19(1)181030						1610																																	
BAT-87-21(1)181030						1640																																	
BAT-89-14(1)181030						1700																																	
BAT-89-14(0)181030						1705																																	
BAT-B-14(1)181030				V		1735		V		V																													
SPECIAL INSTRUCTIONS/COMMENTS Metals										TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day STANDARD REQUESTED REPORT DATE										REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No										INVOICE INFORMATION PO # 208759 BILL TO:									
STATE WHERE SAMPLES WERE COLLECTED																																							
RELINQUISHED BY					RECEIVED BY					RELINQUISHED BY					RECEIVED BY					RELINQUISHED BY					RECEIVED BY														
Signature Kevin Cronin					Signature Kevin Cronin					Signature Kevin Cronin					Signature Kevin Cronin					Signature					Signature														
Printed Name KEVIN CRONIN					Printed Name KEVIN CRONIN					Printed Name KEVIN CRONIN					Printed Name KEVIN CRONIN					Printed Name					Printed Name														
Firm APTIM					Firm ALS					Firm ALS					Firm ALS					Firm					Firm														
Date/Time 10/31/18 1330					Date/Time 10/31/18 1330					Date/Time 10/31/18 1330					Date/Time 10/31/18 1540					Date/Time					Date/Time														



5



Cooler Receipt and Preservation Check Form

R1810578

5

APTIM, Inc.
Textron Wheatfield AnnualProject/Client Textron / APTIM Folder Number _____Cooler received on 10/31/18 by: VSCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y ☒ N ☐
2	Custody papers properly completed (ink, signed)?	Y ☒ N ☐
3	Did all bottles arrive in good condition (unbroken)?	Y ☒ N ☐
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y ☒ N ☐

5a	Perchlorate samples have required headspace?	Y ☐ N ☒ NA ☐
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y ☒ N ☐ NA ☐
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as:	Bulk Encore 5035set <u>NA</u>

8. Temperature Readings Date: 10/31/18 Time: 16:20 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.1</u>	<u>3.8</u>	<u>4.5</u>				
Correction Factor (°C)	<u>+1.0</u>	<u>+1.0</u>	<u>+1.3</u>				
Corrected Temp (°C)	<u>5.1</u>	<u>4.8</u>	<u>4.8</u>				
Temp from: Type of bottle	<u>cond tube</u>	<u>cond tube</u>	<u>Voal Vial</u>				
Within 0-6°C?	☒ Y ☐ N	☒ Y ☐ N	☒ Y ☐ N	Y ☐ N ☐	Y ☐ N ☐	Y ☐ N ☐	Y ☐ N ☐
If <0°C, were samples frozen?	Y ☒ N ☐	Y ☒ N ☐	Y ☒ N ☐	Y ☐ N ☐	Y ☐ N ☐	Y ☐ N ☐	Y ☐ N ☐

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by VS on 10/31/18 at 16:20
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 11/1/18 Time: 13:4 by: SPW

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO NA
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated NA

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH	Yes	No						
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**	<u>4117090</u>	<u>10/11</u>	**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			

Bottle lot numbers: 8-206-001

Explain all Discrepancies/ Other Comments:

* See LOC

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: SPWPC Secondary Review: SPW 11/1/18 *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
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Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810578

Sample Name: BAT-87-02 (1)-181030
Lab Code: R1810578-001
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-02(3)-181030
Lab Code: R1810578-002
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-01(1)-181030
Lab Code: R1810578-003
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-6-181030
Lab Code: R1810578-004
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-93-03(1)-181030
Lab Code: R1810578-005
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810578

Sample Name: BAT-EW-5-181030
Lab Code: R1810578-006
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-4-181030
Lab Code: R1810578-007
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-3-181030
Lab Code: R1810578-008
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-2-181030
Lab Code: R1810578-009
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-DUP-1-181030
Lab Code: R1810578-010
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810578

Sample Name: BAT-87-20(0)-181030
Lab Code: R1810578-011
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-20(1)-181030
Lab Code: R1810578-012
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-89-04(1)-181030
Lab Code: R1810578-013
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-22(1)-181030
Lab Code: R1810578-014
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-19(1)-181030
Lab Code: R1810578-015
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810578

Sample Name: BAT-87-21(1)-181030
Lab Code: R1810578-016
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-89-14(1)-181030
Lab Code: R1810578-017
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-89-14(0)-181030
Lab Code: R1810578-018
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-B-14(1)-181030
Lab Code: R1810578-019
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:00
Date Received: 10/31/18 15:40

Sample Name: BAT-87-02 (1)-181030
Lab Code: R1810578-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 18:40	
Vinyl Chloride	35	1.0	0.22	1	11/05/18 18:40	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 18:40	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 18:40	
1,1-Dichloroethene	0.31 J	1.0	0.28	1	11/05/18 18:40	
Acetone	5.0 U	5.0	2.1	1	11/05/18 18:40	
Carbon Disulfide	1.1	1.0	0.31	1	11/05/18 18:40	
Methylene Chloride	21	1.0	0.47	1	11/05/18 18:40	
trans-1,2-Dichloroethene	0.93 J	1.0	0.26	1	11/05/18 18:40	
1,1-Dichloroethane	6.5	1.0	0.20	1	11/05/18 18:40	
cis-1,2-Dichloroethene	49	1.0	0.26	1	11/05/18 18:40	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 18:40	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 18:40	
1,1,1-Trichloroethane	12	1.0	0.25	1	11/05/18 18:40	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 18:40	
Benzene	1.0 U	1.0	0.20	1	11/05/18 18:40	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 18:40	
Trichloroethene	39	1.0	0.20	1	11/05/18 18:40	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 18:40	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 18:40	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 18:40	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 18:40	
Toluene	1.0 U	1.0	0.20	1	11/05/18 18:40	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 18:40	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 18:40	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 18:40	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 18:40	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 18:40	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 18:40	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 18:40	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 18:40	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 18:40	
Styrene	1.0 U	1.0	0.20	1	11/05/18 18:40	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 18:40	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 18:40	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:00
Date Received: 10/31/18 15:40

Sample Name: BAT-87-02 (1)-181030
Lab Code: R1810578-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/05/18 18:40	
Toluene-d8	93	87 - 121	11/05/18 18:40	
Dibromofluoromethane	98	89 - 119	11/05/18 18:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:05
Date Received: 10/31/18 15:40

Sample Name: BAT-87-02(3)-181030
Lab Code: R1810578-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 15:57	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 15:57	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 15:57	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 15:57	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 15:57	
Acetone	2.5 J	5.0	2.1	1	11/06/18 15:57	
Carbon Disulfide	3.4	1.0	0.31	1	11/06/18 15:57	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 15:57	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 15:57	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 15:57	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 15:57	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 15:57	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 15:57	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 15:57	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 15:57	
Benzene	1.0 U	1.0	0.20	1	11/06/18 15:57	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 15:57	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 15:57	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 15:57	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 15:57	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 15:57	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 15:57	
Toluene	1.0 U	1.0	0.20	1	11/06/18 15:57	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 15:57	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 15:57	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 15:57	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 15:57	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 15:57	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 15:57	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 15:57	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 15:57	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 15:57	
Styrene	1.0 U	1.0	0.20	1	11/06/18 15:57	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 15:57	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 15:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:05
Date Received: 10/31/18 15:40

Sample Name: BAT-87-02(3)-181030
Lab Code: R1810578-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	11/06/18 15:57	
Toluene-d8	98	87 - 121	11/06/18 15:57	
Dibromofluoromethane	102	89 - 119	11/06/18 15:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:30
Date Received: 10/31/18 15:40

Sample Name: BAT-87-01(1)-181030
Lab Code: R1810578-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 19:24	
Vinyl Chloride	160	1.0	0.22	1	11/05/18 19:24	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 19:24	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 19:24	
1,1-Dichloroethene	0.73 J	1.0	0.28	1	11/05/18 19:24	
Acetone	5.0 U	5.0	2.1	1	11/05/18 19:24	
Carbon Disulfide	12	1.0	0.31	1	11/05/18 19:24	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 19:24	
trans-1,2-Dichloroethene	7.3	1.0	0.26	1	11/05/18 19:24	
1,1-Dichloroethane	13	1.0	0.20	1	11/05/18 19:24	
cis-1,2-Dichloroethene	190	1.0	0.26	1	11/05/18 19:24	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 19:24	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 19:24	
1,1,1-Trichloroethane	20	1.0	0.25	1	11/05/18 19:24	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 19:24	
Benzene	1.0 U	1.0	0.20	1	11/05/18 19:24	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 19:24	
Trichloroethene	4.1	1.0	0.20	1	11/05/18 19:24	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 19:24	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 19:24	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 19:24	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 19:24	
Toluene	0.30 J	1.0	0.20	1	11/05/18 19:24	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 19:24	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 19:24	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 19:24	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 19:24	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 19:24	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 19:24	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 19:24	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 19:24	
o-Xylene	0.23 J	1.0	0.20	1	11/05/18 19:24	
Styrene	1.0 U	1.0	0.20	1	11/05/18 19:24	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 19:24	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 19:24	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:30
Date Received: 10/31/18 15:40

Sample Name: BAT-87-01(1)-181030
Lab Code: R1810578-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	11/05/18 19:24	
Toluene-d8	91	87 - 121	11/05/18 19:24	
Dibromofluoromethane	94	89 - 119	11/05/18 19:24	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:55
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-6-181030
Lab Code: R1810578-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	0.33 J	1.0	0.28	1	11/05/18 18:19	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/05/18 18:19	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 18:19	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 18:19	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 18:19	
Acetone	5.0 U	5.0	2.1	1	11/05/18 18:19	
Carbon Disulfide	0.47 J	1.0	0.31	1	11/05/18 18:19	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 18:19	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 18:19	
1,1-Dichloroethane	0.55 J	1.0	0.20	1	11/05/18 18:19	
cis-1,2-Dichloroethene	2.1	1.0	0.26	1	11/05/18 18:19	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 18:19	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 18:19	
1,1,1-Trichloroethane	0.39 J	1.0	0.25	1	11/05/18 18:19	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 18:19	
Benzene	1.0 U	1.0	0.20	1	11/05/18 18:19	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 18:19	
Trichloroethene	0.42 J	1.0	0.20	1	11/05/18 18:19	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 18:19	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 18:19	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 18:19	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 18:19	
Toluene	1.0 U	1.0	0.20	1	11/05/18 18:19	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 18:19	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 18:19	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 18:19	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 18:19	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 18:19	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 18:19	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 18:19	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 18:19	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 18:19	
Styrene	1.0 U	1.0	0.20	1	11/05/18 18:19	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 18:19	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 18:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:55
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-6-181030
Lab Code: R1810578-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	11/05/18 18:19	
Toluene-d8	92	87 - 121	11/05/18 18:19	
Dibromofluoromethane	94	89 - 119	11/05/18 18:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 11:15
Date Received: 10/31/18 15:40

Sample Name: BAT-93-03(1)-181030
Lab Code: R1810578-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 17:57	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/05/18 17:57	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 17:57	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 17:57	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 17:57	
Acetone	5.0 U	5.0	2.1	1	11/05/18 17:57	
Carbon Disulfide	0.82 J	1.0	0.31	1	11/05/18 17:57	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 17:57	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 17:57	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 17:57	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 17:57	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 17:57	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 17:57	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 17:57	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 17:57	
Benzene	1.0 U	1.0	0.20	1	11/05/18 17:57	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 17:57	
Trichloroethene	1.0 U	1.0	0.20	1	11/05/18 17:57	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 17:57	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 17:57	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 17:57	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 17:57	
Toluene	1.0 U	1.0	0.20	1	11/05/18 17:57	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 17:57	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 17:57	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 17:57	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 17:57	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 17:57	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 17:57	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 17:57	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 17:57	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 17:57	
Styrene	1.0 U	1.0	0.20	1	11/05/18 17:57	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 17:57	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 17:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 11:15
Date Received: 10/31/18 15:40

Sample Name: BAT-93-03(1)-181030
Lab Code: R1810578-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	11/05/18 17:57	
Toluene-d8	92	87 - 121	11/05/18 17:57	
Dibromofluoromethane	94	89 - 119	11/05/18 17:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 11:50
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-5-181030
Lab Code: R1810578-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 19:02	
Vinyl Chloride	72	1.0	0.22	1	11/05/18 19:02	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 19:02	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 19:02	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 19:02	
Acetone	5.0 U	5.0	2.1	1	11/05/18 19:02	
Carbon Disulfide	1.1	1.0	0.31	1	11/05/18 19:02	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 19:02	
trans-1,2-Dichloroethene	0.99 J	1.0	0.26	1	11/05/18 19:02	
1,1-Dichloroethane	2.0	1.0	0.20	1	11/05/18 19:02	
cis-1,2-Dichloroethene	19	1.0	0.26	1	11/05/18 19:02	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 19:02	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 19:02	
1,1,1-Trichloroethane	1.1	1.0	0.25	1	11/05/18 19:02	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 19:02	
Benzene	1.0 U	1.0	0.20	1	11/05/18 19:02	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 19:02	
Trichloroethene	0.62 J	1.0	0.20	1	11/05/18 19:02	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 19:02	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 19:02	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 19:02	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 19:02	
Toluene	1.0 U	1.0	0.20	1	11/05/18 19:02	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 19:02	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 19:02	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 19:02	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 19:02	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 19:02	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 19:02	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 19:02	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 19:02	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 19:02	
Styrene	1.0 U	1.0	0.20	1	11/05/18 19:02	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 19:02	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 19:02	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 11:50
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-5-181030
Lab Code: R1810578-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/05/18 19:02	
Toluene-d8	92	87 - 121	11/05/18 19:02	
Dibromofluoromethane	93	89 - 119	11/05/18 19:02	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 12:25
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-4-181030
Lab Code: R1810578-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 17:13	
Vinyl Chloride	63	1.0	0.22	1	11/05/18 17:13	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 17:13	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 17:13	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 17:13	
Acetone	5.0 U	5.0	2.1	1	11/05/18 17:13	
Carbon Disulfide	1.9	1.0	0.31	1	11/05/18 17:13	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 17:13	
trans-1,2-Dichloroethene	1.7	1.0	0.26	1	11/05/18 17:13	
1,1-Dichloroethane	1.9	1.0	0.20	1	11/05/18 17:13	
cis-1,2-Dichloroethene	34	1.0	0.26	1	11/05/18 17:13	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 17:13	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 17:13	
1,1,1-Trichloroethane	0.93 J	1.0	0.25	1	11/05/18 17:13	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 17:13	
Benzene	1.0 U	1.0	0.20	1	11/05/18 17:13	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 17:13	
Trichloroethene	0.72 J	1.0	0.20	1	11/05/18 17:13	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 17:13	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 17:13	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 17:13	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 17:13	
Toluene	1.0 U	1.0	0.20	1	11/05/18 17:13	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 17:13	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 17:13	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 17:13	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 17:13	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 17:13	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 17:13	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 17:13	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 17:13	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 17:13	
Styrene	1.0 U	1.0	0.20	1	11/05/18 17:13	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 17:13	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 17:13	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 12:25
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-4-181030
Lab Code: R1810578-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/05/18 17:13	
Toluene-d8	94	87 - 121	11/05/18 17:13	
Dibromofluoromethane	96	89 - 119	11/05/18 17:13	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 12:40
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-3-181030
Lab Code: R1810578-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.5 U	2.5	0.70	2.5	11/06/18 17:52	
Vinyl Chloride	650 D	5.0	1.1	5	11/08/18 20:03	
Chloroethane	2.5 U	2.5	0.58	2.5	11/06/18 17:52	
Bromomethane	2.5 U	2.5	1.8	2.5	11/06/18 17:52	
1,1-Dichloroethene	0.83 J	2.5	0.70	2.5	11/06/18 17:52	
Acetone	13 U	13	5.3	2.5	11/06/18 17:52	
Carbon Disulfide	5.5	2.5	0.78	2.5	11/06/18 17:52	
Methylene Chloride	2.5 U	2.5	1.2	2.5	11/06/18 17:52	
trans-1,2-Dichloroethene	5.2	2.5	0.65	2.5	11/06/18 17:52	
1,1-Dichloroethane	10	2.5	0.50	2.5	11/06/18 17:52	
cis-1,2-Dichloroethene	120	2.5	0.65	2.5	11/06/18 17:52	
2-Butanone (MEK)	13 U	13	2.0	2.5	11/06/18 17:52	
Chloroform	2.5 U	2.5	0.70	2.5	11/06/18 17:52	
1,1,1-Trichloroethane	12	2.5	0.63	2.5	11/06/18 17:52	
Carbon Tetrachloride	2.5 U	2.5	0.85	2.5	11/06/18 17:52	
Benzene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
1,2-Dichloroethane	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Trichloroethene	4.0	2.5	0.50	2.5	11/06/18 17:52	
1,2-Dichloropropane	2.5 U	2.5	0.53	2.5	11/06/18 17:52	
Bromodichloromethane	2.5 U	2.5	0.78	2.5	11/06/18 17:52	
cis-1,3-Dichloropropene	2.5 U	2.5	0.75	2.5	11/06/18 17:52	
4-Methyl-2-pentanone (MIBK)	13 U	13	0.73	2.5	11/06/18 17:52	
Toluene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
trans-1,3-Dichloropropene	2.5 U	2.5	0.75	2.5	11/06/18 17:52	
1,1,2-Trichloroethane	2.5 U	2.5	0.63	2.5	11/06/18 17:52	
Tetrachloroethene	2.5 U	2.5	0.70	2.5	11/06/18 17:52	
2-Hexanone	13 U	13	0.85	2.5	11/06/18 17:52	
Dibromochloromethane	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Chlorobenzene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Ethylbenzene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
m,p-Xylenes	5.0 U	5.0	0.53	2.5	11/06/18 17:52	
o-Xylene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Styrene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Bromoform	2.5 U	2.5	0.90	2.5	11/06/18 17:52	
1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.50	2.5	11/06/18 17:52	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 12:40
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-3-181030
Lab Code: R1810578-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/06/18 17:52	
Toluene-d8	93	87 - 121	11/06/18 17:52	
Dibromofluoromethane	97	89 - 119	11/06/18 17:52	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 13:05
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-2-181030
Lab Code: R1810578-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/08/18 18:11	
Vinyl Chloride	170	1.0	0.22	1	11/08/18 18:11	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 18:11	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 18:11	
1,1-Dichloroethene	0.28 J	1.0	0.28	1	11/08/18 18:11	
Acetone	5.0 U	5.0	2.1	1	11/08/18 18:11	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/08/18 18:11	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 18:11	
trans-1,2-Dichloroethene	2.1	1.0	0.26	1	11/08/18 18:11	
1,1-Dichloroethane	4.1	1.0	0.20	1	11/08/18 18:11	
cis-1,2-Dichloroethene	55	1.0	0.26	1	11/08/18 18:11	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 18:11	
Chloroform	1.2	1.0	0.28	1	11/08/18 18:11	
1,1,1-Trichloroethane	3.9	1.0	0.25	1	11/08/18 18:11	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 18:11	
Benzene	1.0 U	1.0	0.20	1	11/08/18 18:11	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 18:11	
Trichloroethene	5.1	1.0	0.20	1	11/08/18 18:11	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 18:11	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 18:11	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 18:11	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 18:11	
Toluene	1.0 U	1.0	0.20	1	11/08/18 18:11	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 18:11	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 18:11	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 18:11	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 18:11	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 18:11	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 18:11	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 18:11	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 18:11	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 18:11	
Styrene	1.0 U	1.0	0.20	1	11/08/18 18:11	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 18:11	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 18:11	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 13:05
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-2-181030
Lab Code: R1810578-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/08/18 18:11	
Toluene-d8	94	87 - 121	11/08/18 18:11	
Dibromofluoromethane	98	89 - 119	11/08/18 18:11	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18
Date Received: 10/31/18 15:40

Sample Name: BAT-DUP-1-181030
Lab Code: R1810578-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	10 U	10	2.8	10	11/06/18 19:20	
Vinyl Chloride	750	10	2.2	10	11/06/18 19:20	
Chloroethane	10 U	10	2.3	10	11/06/18 19:20	
Bromomethane	10 U	10	7.0	10	11/06/18 19:20	
1,1-Dichloroethene	7.2 J	10	2.8	10	11/06/18 19:20	
Acetone	50 U	50	21	10	11/06/18 19:20	
Carbon Disulfide	20	10	3.1	10	11/06/18 19:20	
Methylene Chloride	10 U	10	4.7	10	11/06/18 19:20	
trans-1,2-Dichloroethene	7.4 J	10	2.6	10	11/06/18 19:20	
1,1-Dichloroethane	9.1 J	10	2.0	10	11/06/18 19:20	
cis-1,2-Dichloroethene	2300 D	20	5.2	20	11/08/18 19:19	
2-Butanone (MEK)	50 U	50	7.8	10	11/06/18 19:20	
Chloroform	10 U	10	2.8	10	11/06/18 19:20	
1,1,1-Trichloroethane	13	10	2.5	10	11/06/18 19:20	
Carbon Tetrachloride	10 U	10	3.4	10	11/06/18 19:20	
Benzene	10 U	10	2.0	10	11/06/18 19:20	
1,2-Dichloroethane	10 U	10	2.0	10	11/06/18 19:20	
Trichloroethene	26	10	2.0	10	11/06/18 19:20	
1,2-Dichloropropane	10 U	10	2.1	10	11/06/18 19:20	
Bromodichloromethane	10 U	10	3.1	10	11/06/18 19:20	
cis-1,3-Dichloropropene	10 U	10	3.0	10	11/06/18 19:20	
4-Methyl-2-pentanone (MIBK)	50 U	50	2.9	10	11/06/18 19:20	
Toluene	10 U	10	2.0	10	11/06/18 19:20	
trans-1,3-Dichloropropene	10 U	10	3.0	10	11/06/18 19:20	
1,1,2-Trichloroethane	10 U	10	2.5	10	11/06/18 19:20	
Tetrachloroethene	10 U	10	2.8	10	11/06/18 19:20	
2-Hexanone	50 U	50	3.4	10	11/06/18 19:20	
Dibromochloromethane	10 U	10	2.0	10	11/06/18 19:20	
Chlorobenzene	10 U	10	2.0	10	11/06/18 19:20	
Ethylbenzene	10 U	10	2.0	10	11/06/18 19:20	
m,p-Xylenes	20 U	20	2.1	10	11/06/18 19:20	
o-Xylene	10 U	10	2.0	10	11/06/18 19:20	
Styrene	10 U	10	2.0	10	11/06/18 19:20	
Bromoform	10 U	10	3.6	10	11/06/18 19:20	
1,1,2,2-Tetrachloroethane	10 U	10	2.0	10	11/06/18 19:20	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18
Date Received: 10/31/18 15:40

Sample Name: BAT-DUP-1-181030
Lab Code: R1810578-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	11/06/18 19:20	
Toluene-d8	94	87 - 121	11/06/18 19:20	
Dibromofluoromethane	99	89 - 119	11/06/18 19:20	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 14:35
Date Received: 10/31/18 15:40

Sample Name: BAT-87-20(0)-181030
Lab Code: R1810578-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 15:33	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 15:33	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 15:33	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 15:33	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 15:33	
Acetone	5.0 U	5.0	2.1	1	11/06/18 15:33	
Carbon Disulfide	0.79 J	1.0	0.31	1	11/06/18 15:33	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 15:33	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 15:33	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 15:33	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 15:33	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 15:33	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 15:33	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 15:33	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 15:33	
Benzene	1.0 U	1.0	0.20	1	11/06/18 15:33	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 15:33	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 15:33	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 15:33	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 15:33	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 15:33	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 15:33	
Toluene	1.0 U	1.0	0.20	1	11/06/18 15:33	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 15:33	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 15:33	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 15:33	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 15:33	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 15:33	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 15:33	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 15:33	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 15:33	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 15:33	
Styrene	1.0 U	1.0	0.20	1	11/06/18 15:33	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 15:33	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 15:33	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 14:35
Date Received: 10/31/18 15:40

Sample Name: BAT-87-20(0)-181030
Lab Code: R1810578-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	11/06/18 15:33	
Toluene-d8	95	87 - 121	11/06/18 15:33	
Dibromofluoromethane	98	89 - 119	11/06/18 15:33	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 14:40
Date Received: 10/31/18 15:40

Sample Name: BAT-87-20(1)-181030
Lab Code: R1810578-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	10 U	10	2.8	10	11/06/18 19:41	
Vinyl Chloride	730	10	2.2	10	11/06/18 19:41	
Chloroethane	10 U	10	2.3	10	11/06/18 19:41	
Bromomethane	10 U	10	7.0	10	11/06/18 19:41	
1,1-Dichloroethene	7.6 J	10	2.8	10	11/06/18 19:41	
Acetone	50 U	50	21	10	11/06/18 19:41	
Carbon Disulfide	18	10	3.1	10	11/06/18 19:41	
Methylene Chloride	10 U	10	4.7	10	11/06/18 19:41	
trans-1,2-Dichloroethene	7.7 J	10	2.6	10	11/06/18 19:41	
1,1-Dichloroethane	11	10	2.0	10	11/06/18 19:41	
cis-1,2-Dichloroethene	2300 D	20	5.2	20	11/08/18 19:41	
2-Butanone (MEK)	50 U	50	7.8	10	11/06/18 19:41	
Chloroform	10 U	10	2.8	10	11/06/18 19:41	
1,1,1-Trichloroethane	14	10	2.5	10	11/06/18 19:41	
Carbon Tetrachloride	10 U	10	3.4	10	11/06/18 19:41	
Benzene	10 U	10	2.0	10	11/06/18 19:41	
1,2-Dichloroethane	10 U	10	2.0	10	11/06/18 19:41	
Trichloroethene	28	10	2.0	10	11/06/18 19:41	
1,2-Dichloropropane	10 U	10	2.1	10	11/06/18 19:41	
Bromodichloromethane	10 U	10	3.1	10	11/06/18 19:41	
cis-1,3-Dichloropropene	10 U	10	3.0	10	11/06/18 19:41	
4-Methyl-2-pentanone (MIBK)	50 U	50	2.9	10	11/06/18 19:41	
Toluene	10 U	10	2.0	10	11/06/18 19:41	
trans-1,3-Dichloropropene	10 U	10	3.0	10	11/06/18 19:41	
1,1,2-Trichloroethane	10 U	10	2.5	10	11/06/18 19:41	
Tetrachloroethene	10 U	10	2.8	10	11/06/18 19:41	
2-Hexanone	50 U	50	3.4	10	11/06/18 19:41	
Dibromochloromethane	10 U	10	2.0	10	11/06/18 19:41	
Chlorobenzene	10 U	10	2.0	10	11/06/18 19:41	
Ethylbenzene	10 U	10	2.0	10	11/06/18 19:41	
m,p-Xylenes	20 U	20	2.1	10	11/06/18 19:41	
o-Xylene	10 U	10	2.0	10	11/06/18 19:41	
Styrene	10 U	10	2.0	10	11/06/18 19:41	
Bromoform	10 U	10	3.6	10	11/06/18 19:41	
1,1,2,2-Tetrachloroethane	10 U	10	2.0	10	11/06/18 19:41	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 14:40
Date Received: 10/31/18 15:40

Sample Name: BAT-87-20(1)-181030
Lab Code: R1810578-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/06/18 19:41	
Toluene-d8	93	87 - 121	11/06/18 19:41	
Dibromofluoromethane	97	89 - 119	11/06/18 19:41	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 15:20
Date Received: 10/31/18 15:40

Sample Name: BAT-89-04(1)-181030
Lab Code: R1810578-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 16:19	
Vinyl Chloride	0.40 J	1.0	0.22	1	11/06/18 16:19	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 16:19	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 16:19	
1,1-Dichloroethene	0.49 J	1.0	0.28	1	11/06/18 16:19	
Acetone	5.0 U	5.0	2.1	1	11/06/18 16:19	
Carbon Disulfide	9.9	1.0	0.31	1	11/06/18 16:19	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 16:19	
trans-1,2-Dichloroethene	0.41 J	1.0	0.26	1	11/06/18 16:19	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 16:19	
cis-1,2-Dichloroethene	2.0	1.0	0.26	1	11/06/18 16:19	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 16:19	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 16:19	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 16:19	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 16:19	
Benzene	1.0 U	1.0	0.20	1	11/06/18 16:19	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 16:19	
Trichloroethene	1.3	1.0	0.20	1	11/06/18 16:19	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 16:19	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 16:19	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 16:19	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 16:19	
Toluene	1.0 U	1.0	0.20	1	11/06/18 16:19	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 16:19	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 16:19	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 16:19	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 16:19	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 16:19	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 16:19	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 16:19	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 16:19	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 16:19	
Styrene	1.0 U	1.0	0.20	1	11/06/18 16:19	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 16:19	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 16:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 15:20
Date Received: 10/31/18 15:40

Sample Name: BAT-89-04(1)-181030
Lab Code: R1810578-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/06/18 16:19	
Toluene-d8	92	87 - 121	11/06/18 16:19	
Dibromofluoromethane	96	89 - 119	11/06/18 16:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 15:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-22(1)-181030
Lab Code: R1810578-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	20 U	20	5.6	20	11/08/18 18:57	
Vinyl Chloride	1700	20	4.4	20	11/08/18 18:57	
Chloroethane	20 U	20	4.6	20	11/08/18 18:57	
Bromomethane	20 U	20	14	20	11/08/18 18:57	
1,1-Dichloroethene	9.0 J	20	5.6	20	11/08/18 18:57	
Acetone	100 U	100	42	20	11/08/18 18:57	
Carbon Disulfide	26	20	6.2	20	11/08/18 18:57	
Methylene Chloride	20 U	20	9.4	20	11/08/18 18:57	
trans-1,2-Dichloroethene	17 J	20	5.2	20	11/08/18 18:57	
1,1-Dichloroethane	11 J	20	4.0	20	11/08/18 18:57	
cis-1,2-Dichloroethene	3300	20	5.2	20	11/08/18 18:57	
2-Butanone (MEK)	100 U	100	16	20	11/08/18 18:57	
Chloroform	20 U	20	5.6	20	11/08/18 18:57	
1,1,1-Trichloroethane	20 U	20	5.0	20	11/08/18 18:57	
Carbon Tetrachloride	20 U	20	6.8	20	11/08/18 18:57	
Benzene	20 U	20	4.0	20	11/08/18 18:57	
1,2-Dichloroethane	20 U	20	4.0	20	11/08/18 18:57	
Trichloroethene	20 J	20	4.0	20	11/08/18 18:57	
1,2-Dichloropropane	20 U	20	4.2	20	11/08/18 18:57	
Bromodichloromethane	20 U	20	6.2	20	11/08/18 18:57	
cis-1,3-Dichloropropene	20 U	20	6.0	20	11/08/18 18:57	
4-Methyl-2-pentanone (MIBK)	100 U	100	5.8	20	11/08/18 18:57	
Toluene	20 U	20	4.0	20	11/08/18 18:57	
trans-1,3-Dichloropropene	20 U	20	6.0	20	11/08/18 18:57	
1,1,2-Trichloroethane	20 U	20	5.0	20	11/08/18 18:57	
Tetrachloroethene	20 U	20	5.6	20	11/08/18 18:57	
2-Hexanone	100 U	100	6.8	20	11/08/18 18:57	
Dibromochloromethane	20 U	20	4.0	20	11/08/18 18:57	
Chlorobenzene	20 U	20	4.0	20	11/08/18 18:57	
Ethylbenzene	20 U	20	4.0	20	11/08/18 18:57	
m,p-Xylenes	40 U	40	4.2	20	11/08/18 18:57	
o-Xylene	20 U	20	4.0	20	11/08/18 18:57	
Styrene	20 U	20	4.0	20	11/08/18 18:57	
Bromoform	20 U	20	7.2	20	11/08/18 18:57	
1,1,2,2-Tetrachloroethane	20 U	20	4.0	20	11/08/18 18:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 15:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-22(1)-181030
Lab Code: R1810578-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	11/08/18 18:57	
Toluene-d8	94	87 - 121	11/08/18 18:57	
Dibromofluoromethane	98	89 - 119	11/08/18 18:57	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 16:10
Date Received: 10/31/18 15:40

Sample Name: BAT-87-19(1)-181030
Lab Code: R1810578-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 16:40	
Vinyl Chloride	3.5	1.0	0.22	1	11/06/18 16:40	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 16:40	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 16:40	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 16:40	
Acetone	5.0 U	5.0	2.1	1	11/06/18 16:40	
Carbon Disulfide	1.6	1.0	0.31	1	11/06/18 16:40	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 16:40	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 16:40	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 16:40	
cis-1,2-Dichloroethene	5.3	1.0	0.26	1	11/06/18 16:40	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 16:40	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 16:40	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 16:40	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 16:40	
Benzene	1.0 U	1.0	0.20	1	11/06/18 16:40	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 16:40	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 16:40	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 16:40	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 16:40	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 16:40	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 16:40	
Toluene	1.0 U	1.0	0.20	1	11/06/18 16:40	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 16:40	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 16:40	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 16:40	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 16:40	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 16:40	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 16:40	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 16:40	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 16:40	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 16:40	
Styrene	1.0 U	1.0	0.20	1	11/06/18 16:40	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 16:40	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 16:40	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 16:10
Date Received: 10/31/18 15:40

Sample Name: BAT-87-19(1)-181030
Lab Code: R1810578-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/06/18 16:40	
Toluene-d8	95	87 - 121	11/06/18 16:40	
Dibromofluoromethane	97	89 - 119	11/06/18 16:40	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 16:40
Date Received: 10/31/18 15:40

Sample Name: BAT-87-21(1)-181030
Lab Code: R1810578-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 17:02	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 17:02	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 17:02	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 17:02	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 17:02	
Acetone	5.0 U	5.0	2.1	1	11/06/18 17:02	
Carbon Disulfide	1.3	1.0	0.31	1	11/06/18 17:02	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 17:02	
trans-1,2-Dichloroethene	0.34 J	1.0	0.26	1	11/06/18 17:02	
1,1-Dichloroethane	1.6	1.0	0.20	1	11/06/18 17:02	
cis-1,2-Dichloroethene	5.7	1.0	0.26	1	11/06/18 17:02	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 17:02	
Chloroform	1.4	1.0	0.28	1	11/06/18 17:02	
1,1,1-Trichloroethane	1.7	1.0	0.25	1	11/06/18 17:02	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 17:02	
Benzene	1.0 U	1.0	0.20	1	11/06/18 17:02	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 17:02	
Trichloroethene	3.5	1.0	0.20	1	11/06/18 17:02	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 17:02	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 17:02	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 17:02	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 17:02	
Toluene	1.0 U	1.0	0.20	1	11/06/18 17:02	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 17:02	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 17:02	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 17:02	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 17:02	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 17:02	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 17:02	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 17:02	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 17:02	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 17:02	
Styrene	1.0 U	1.0	0.20	1	11/06/18 17:02	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 17:02	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 17:02	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 16:40
Date Received: 10/31/18 15:40

Sample Name: BAT-87-21(1)-181030
Lab Code: R1810578-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/06/18 17:02	
Toluene-d8	94	87 - 121	11/06/18 17:02	
Dibromofluoromethane	97	89 - 119	11/06/18 17:02	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:00
Date Received: 10/31/18 15:40

Sample Name: BAT-89-14(1)-181030
Lab Code: R1810578-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	0.30 J	1.0	0.28	1	11/08/18 18:33	
Vinyl Chloride	140	1.0	0.22	1	11/08/18 18:33	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 18:33	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 18:33	
1,1-Dichloroethene	0.41 J	1.0	0.28	1	11/08/18 18:33	
Acetone	5.0 U	5.0	2.1	1	11/08/18 18:33	
Carbon Disulfide	1.8	1.0	0.31	1	11/08/18 18:33	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 18:33	
trans-1,2-Dichloroethene	1.3	1.0	0.26	1	11/08/18 18:33	
1,1-Dichloroethane	11	1.0	0.20	1	11/08/18 18:33	
cis-1,2-Dichloroethene	49	1.0	0.26	1	11/08/18 18:33	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 18:33	
Chloroform	1.0 U	1.0	0.28	1	11/08/18 18:33	
1,1,1-Trichloroethane	0.46 J	1.0	0.25	1	11/08/18 18:33	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 18:33	
Benzene	1.0 U	1.0	0.20	1	11/08/18 18:33	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 18:33	
Trichloroethene	0.96 J	1.0	0.20	1	11/08/18 18:33	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 18:33	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 18:33	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 18:33	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 18:33	
Toluene	1.0 U	1.0	0.20	1	11/08/18 18:33	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 18:33	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 18:33	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 18:33	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 18:33	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 18:33	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 18:33	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 18:33	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 18:33	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 18:33	
Styrene	1.0 U	1.0	0.20	1	11/08/18 18:33	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 18:33	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 18:33	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:00
Date Received: 10/31/18 15:40

Sample Name: BAT-89-14(1)-181030
Lab Code: R1810578-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/08/18 18:33	
Toluene-d8	92	87 - 121	11/08/18 18:33	
Dibromofluoromethane	96	89 - 119	11/08/18 18:33	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:05
Date Received: 10/31/18 15:40

Sample Name: BAT-89-14(0)-181030
Lab Code: R1810578-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/08/18 17:49	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/08/18 17:49	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 17:49	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 17:49	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/08/18 17:49	
Acetone	5.0 U	5.0	2.1	1	11/08/18 17:49	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/08/18 17:49	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 17:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 17:49	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 17:49	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 17:49	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 17:49	
Chloroform	1.0 U	1.0	0.28	1	11/08/18 17:49	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 17:49	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 17:49	
Benzene	1.0 U	1.0	0.20	1	11/08/18 17:49	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 17:49	
Trichloroethene	1.0 U	1.0	0.20	1	11/08/18 17:49	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 17:49	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 17:49	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 17:49	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 17:49	
Toluene	1.0 U	1.0	0.20	1	11/08/18 17:49	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 17:49	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 17:49	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 17:49	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 17:49	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 17:49	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 17:49	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 17:49	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 17:49	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 17:49	
Styrene	1.0 U	1.0	0.20	1	11/08/18 17:49	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 17:49	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 17:49	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:05
Date Received: 10/31/18 15:40

Sample Name: BAT-89-14(0)-181030
Lab Code: R1810578-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	11/08/18 17:49	
Toluene-d8	93	87 - 121	11/08/18 17:49	
Dibromofluoromethane	97	89 - 119	11/08/18 17:49	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:35
Date Received: 10/31/18 15:40

Sample Name: BAT-B-14(1)-181030
Lab Code: R1810578-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.0 U	2.0	0.56	2	11/06/18 18:58	
Vinyl Chloride	170	2.0	0.44	2	11/06/18 18:58	
Chloroethane	2.0 U	2.0	0.46	2	11/06/18 18:58	
Bromomethane	2.0 U	2.0	1.4	2	11/06/18 18:58	
1,1-Dichloroethene	0.80 J	2.0	0.56	2	11/06/18 18:58	
Acetone	10 U	10	4.2	2	11/06/18 18:58	
Carbon Disulfide	2.5	2.0	0.62	2	11/06/18 18:58	
Methylene Chloride	2.0 U	2.0	0.94	2	11/06/18 18:58	
trans-1,2-Dichloroethene	1.8 J	2.0	0.52	2	11/06/18 18:58	
1,1-Dichloroethane	14	2.0	0.40	2	11/06/18 18:58	
cis-1,2-Dichloroethene	140	2.0	0.52	2	11/06/18 18:58	
2-Butanone (MEK)	10 U	10	1.6	2	11/06/18 18:58	
Chloroform	2.0 U	2.0	0.56	2	11/06/18 18:58	
1,1,1-Trichloroethane	41	2.0	0.50	2	11/06/18 18:58	
Carbon Tetrachloride	2.0 U	2.0	0.68	2	11/06/18 18:58	
Benzene	2.0 U	2.0	0.40	2	11/06/18 18:58	
1,2-Dichloroethane	2.0 U	2.0	0.40	2	11/06/18 18:58	
Trichloroethene	1.2 J	2.0	0.40	2	11/06/18 18:58	
1,2-Dichloropropane	2.0 U	2.0	0.42	2	11/06/18 18:58	
Bromodichloromethane	2.0 U	2.0	0.62	2	11/06/18 18:58	
cis-1,3-Dichloropropene	2.0 U	2.0	0.60	2	11/06/18 18:58	
4-Methyl-2-pentanone (MIBK)	10 U	10	0.58	2	11/06/18 18:58	
Toluene	2.0 U	2.0	0.40	2	11/06/18 18:58	
trans-1,3-Dichloropropene	2.0 U	2.0	0.60	2	11/06/18 18:58	
1,1,2-Trichloroethane	2.0 U	2.0	0.50	2	11/06/18 18:58	
Tetrachloroethene	2.0 U	2.0	0.56	2	11/06/18 18:58	
2-Hexanone	10 U	10	0.68	2	11/06/18 18:58	
Dibromochloromethane	2.0 U	2.0	0.40	2	11/06/18 18:58	
Chlorobenzene	2.0 U	2.0	0.40	2	11/06/18 18:58	
Ethylbenzene	2.0 U	2.0	0.40	2	11/06/18 18:58	
m,p-Xylenes	4.0 U	4.0	0.42	2	11/06/18 18:58	
o-Xylene	2.0 U	2.0	0.40	2	11/06/18 18:58	
Styrene	2.0 U	2.0	0.40	2	11/06/18 18:58	
Bromoform	2.0 U	2.0	0.72	2	11/06/18 18:58	
1,1,2,2-Tetrachloroethane	2.0 U	2.0	0.40	2	11/06/18 18:58	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:35
Date Received: 10/31/18 15:40

Sample Name: BAT-B-14(1)-181030
Lab Code: R1810578-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	11/06/18 18:58	
Toluene-d8	94	87 - 121	11/06/18 18:58	
Dibromofluoromethane	98	89 - 119	11/06/18 18:58	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Toluene-d8	Dibromofluoromethane
		85-122	87-121	89-119
BAT-87-02 (1)-181030	R1810578-001	89	93	98
BAT-87-01(1)-181030	R1810578-003	86	91	94
BAT-EW-6-181030	R1810578-004	86	92	94
BAT-93-03(1)-181030	R1810578-005	87	92	94
BAT-EW-5-181030	R1810578-006	89	92	93
BAT-EW-4-181030	R1810578-007	90	94	96
Method Blank	RQ1812319-04	90	94	93
Lab Control Sample	RQ1812319-03	97	97	98
BAT-EW-4-181030 MS	RQ1812319-05	93	95	97
BAT-EW-4-181030 DMS	RQ1812319-06	91	94	97
BAT-87-02(3)-181030	R1810578-002	94	98	102
BAT-EW-3-181030	R1810578-008	89	93	97
BAT-EW-2-181030	R1810578-009	90	94	98
BAT-DUP-1-181030	R1810578-010	88	94	99
BAT-87-20(0)-181030	R1810578-011	93	95	98
BAT-87-20(1)-181030	R1810578-012	89	93	97
BAT-89-04(1)-181030	R1810578-013	89	92	96
BAT-87-22(1)-181030	R1810578-014	92	94	98
BAT-87-19(1)-181030	R1810578-015	90	95	97
BAT-87-21(1)-181030	R1810578-016	90	94	97
BAT-89-14(1)-181030	R1810578-017	89	92	96
BAT-89-14(0)-181030	R1810578-018	91	93	97
BAT-B-14(1)-181030	R1810578-019	91	94	98
Method Blank	RQ1812380-04	93	97	98
Method Blank	RQ1812381-06	89	91	96
Lab Control Sample	RQ1812380-03	97	97	99
Lab Control Sample	RQ1812381-03	93	94	96

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18
Date Received: 10/31/18
Date Analyzed: 11/5/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: BAT-EW-4-181030
Lab Code: R1810578-007
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1812319-05			Duplicate Matrix Spike RQ1812319-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Chloromethane	1.0 U	39.2	50.0	78	35.8	50.0	72	55-160	9	30
Vinyl Chloride	63	112	50.0	98	107	50.0	87	74-159	5	30
Chloroethane	1.0 U	45.1	50.0	90	38.2	50.0	76	48-146	17	30
Bromomethane	1.0 U	27.8	50.0	56	27.6	50.0	55	10-184	<1	30
1,1-Dichloroethene	1.0 U	51.4	50.0	103	49.5	50.0	99	71-118	4	30
Acetone	5.0 U	45.4	50.0	91	41.4	50.0	83	35-183	9	30
Carbon Disulfide	1.9	52.6	50.0	102	52.0	50.0	100	59-140	1	30
Methylene Chloride	1.0 U	50.4	50.0	101	47.7	50.0	95	73-122	5	30
trans-1,2-Dichloroethene	1.7	51.3	50.0	99	49.1	50.0	95	73-118	4	30
1,1-Dichloroethane	1.9	52.8	50.0	102	49.4	50.0	95	74-132	7	30
cis-1,2-Dichloroethene	34	89.7	50.0	111	89.5	50.0	110	77-127	<1	30
2-Butanone (MEK)	5.0 U	48.8	50.0	98	44.2	50.0	88	61-137	10	30
Chloroform	1.0 U	51.6	50.0	103	50.2	50.0	100	75-130	3	30
1,1,1-Trichloroethane	0.93 J	54.3	50.0	107	54.3	50.0	107	74-127	<1	30
Carbon Tetrachloride	1.0 U	54.2	50.0	108	54.7	50.0	109	65-135	<1	30
Benzene	1.0 U	50.1	50.0	100	48.9	50.0	98	76-129	2	30
1,2-Dichloroethane	1.0 U	51.9	50.0	104	49.5	50.0	99	68-130	5	30
Trichloroethene	0.72 J	49.7	50.0	98	48.3	50.0	95	74-122	3	30
1,2-Dichloropropane	1.0 U	51.0	50.0	102	48.9	50.0	98	79-124	4	30
Bromodichloromethane	1.0 U	50.2	50.0	100	52.1	50.0	104	78-133	4	30
cis-1,3-Dichloropropene	1.0 U	51.4	50.0	103	50.9	50.0	102	52-134	1	30
4-Methyl-2-pentanone (MIBK)	5.0 U	49.2	50.0	98	45.5	50.0	91	60-141	8	30
Toluene	1.0 U	50.9	50.0	102	49.6	50.0	99	79-119	3	30
trans-1,3-Dichloropropene	1.0 U	50.0	50.0	100	48.8	50.0	98	71-133	2	30
1,1,2-Trichloroethane	1.0 U	50.6	50.0	101	48.0	50.0	96	82-121	5	30
Tetrachloroethene	1.0 U	50.7	50.0	101	49.3	50.0	99	72-125	3	30
2-Hexanone	5.0 U	48.5	50.0	97	45.5	50.0	91	56-132	6	30
Dibromochloromethane	1.0 U	52.0	50.0	104	53.4	50.0	107	72-128	3	30
Chlorobenzene	1.0 U	49.7	50.0	99	48.8	50.0	98	76-125	2	30
Ethylbenzene	1.0 U	51.7	50.0	103	50.7	50.0	101	72-134	2	30
m,p-Xylenes	2.0 U	101	100	101	101	100	101	80-126	<1	30
o-Xylene	1.0 U	52.9	50.0	106	51.1	50.0	102	79-123	4	30
Styrene	1.0 U	49.7	50.0	99	49.6	50.0	99	74-136	<1	30
Bromoform	1.0 U	51.7	50.0	103	51.8	50.0	104	58-133	<1	30
1,1,2,2-Tetrachloroethane	1.0 U	50.9	50.0	102	49.4	50.0	99	72-122	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812319-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 11:14	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/05/18 11:14	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 11:14	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 11:14	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 11:14	
Acetone	5.0 U	5.0	2.1	1	11/05/18 11:14	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/05/18 11:14	
Methylene Chloride	0.58 J	1.0	0.47	1	11/05/18 11:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 11:14	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 11:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 11:14	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 11:14	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 11:14	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 11:14	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 11:14	
Benzene	1.0 U	1.0	0.20	1	11/05/18 11:14	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 11:14	
Trichloroethene	1.0 U	1.0	0.20	1	11/05/18 11:14	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 11:14	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 11:14	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 11:14	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 11:14	
Toluene	1.0 U	1.0	0.20	1	11/05/18 11:14	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 11:14	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 11:14	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 11:14	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 11:14	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 11:14	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 11:14	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 11:14	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 11:14	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 11:14	
Styrene	1.0 U	1.0	0.20	1	11/05/18 11:14	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 11:14	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 11:14	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812319-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/05/18 11:14	
Toluene-d8	94	87 - 121	11/05/18 11:14	
Dibromofluoromethane	93	89 - 119	11/05/18 11:14	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812380-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 11:40	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 11:40	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 11:40	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 11:40	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 11:40	
Acetone	5.0 U	5.0	2.1	1	11/06/18 11:40	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 11:40	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 11:40	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 11:40	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 11:40	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 11:40	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 11:40	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 11:40	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 11:40	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 11:40	
Benzene	1.0 U	1.0	0.20	1	11/06/18 11:40	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 11:40	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 11:40	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 11:40	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 11:40	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 11:40	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 11:40	
Toluene	1.0 U	1.0	0.20	1	11/06/18 11:40	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 11:40	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 11:40	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 11:40	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 11:40	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 11:40	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 11:40	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 11:40	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 11:40	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 11:40	
Styrene	1.0 U	1.0	0.20	1	11/06/18 11:40	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 11:40	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 11:40	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812380-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	11/06/18 11:40	
Toluene-d8	97	87 - 121	11/06/18 11:40	
Dibromofluoromethane	98	89 - 119	11/06/18 11:40	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ1812381-06

Service Request: R1810578
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/08/18 13:21	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/08/18 13:21	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 13:21	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 13:21	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/08/18 13:21	
Acetone	5.0 U	5.0	2.1	1	11/08/18 13:21	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/08/18 13:21	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 13:21	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 13:21	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 13:21	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 13:21	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 13:21	
Chloroform	1.0 U	1.0	0.28	1	11/08/18 13:21	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 13:21	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 13:21	
Benzene	1.0 U	1.0	0.20	1	11/08/18 13:21	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 13:21	
Trichloroethene	1.0 U	1.0	0.20	1	11/08/18 13:21	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 13:21	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 13:21	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 13:21	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 13:21	
Toluene	1.0 U	1.0	0.20	1	11/08/18 13:21	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 13:21	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 13:21	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 13:21	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 13:21	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 13:21	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 13:21	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 13:21	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 13:21	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 13:21	
Styrene	1.0 U	1.0	0.20	1	11/08/18 13:21	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 13:21	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 13:21	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ1812381-06

Service Request: R1810578
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/08/18 13:21	
Toluene-d8	91	87 - 121	11/08/18 13:21	
Dibromofluoromethane	96	89 - 119	11/08/18 13:21	

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/05/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812319-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	14.7	20.0	74	65-135
Vinyl Chloride	8260C	17.7	20.0	88	74-159
Chloroethane	8260C	13.6	20.0	68	62-131
Bromomethane	8260C	19.5	20.0	97	42-166
1,1-Dichloroethene	8260C	18.2	20.0	91	71-118
Acetone	8260C	15.6	20.0	78	40-161
Carbon Disulfide	8260C	18.4	20.0	92	66-128
Methylene Chloride	8260C	18.3	20.0	92	73-122
trans-1,2-Dichloroethene	8260C	18.5	20.0	92	73-118
1,1-Dichloroethane	8260C	17.9	20.0	89	80-124
cis-1,2-Dichloroethene	8260C	17.8	20.0	89	80-121
2-Butanone (MEK)	8260C	17.2	20.0	86	61-137
Chloroform	8260C	18.8	20.0	94	79-120
1,1,1-Trichloroethane	8260C	19.3	20.0	97	75-125
Carbon Tetrachloride	8260C	20.1	20.0	101	70-127
Benzene	8260C	18.4	20.0	92	79-119
1,2-Dichloroethane	8260C	19.9	20.0	99	71-127
Trichloroethene	8260C	18.6	20.0	93	74-122
1,2-Dichloropropane	8260C	18.6	20.0	93	80-119
Bromodichloromethane	8260C	19.3	20.0	97	81-123
cis-1,3-Dichloropropene	8260C	19.2	20.0	96	77-122
4-Methyl-2-pentanone (MIBK)	8260C	16.9	20.0	84	66-124
Toluene	8260C	18.9	20.0	94	79-119
trans-1,3-Dichloropropene	8260C	19.5	20.0	98	71-133
1,1,2-Trichloroethane	8260C	19.0	20.0	95	82-121
Tetrachloroethene	8260C	18.2	20.0	91	72-125
2-Hexanone	8260C	16.0	20.0	80	63-124
Dibromochloromethane	8260C	19.9	20.0	99	72-128
Chlorobenzene	8260C	18.0	20.0	90	80-121
Ethylbenzene	8260C	18.6	20.0	93	76-120
m,p-Xylenes	8260C	36.0	40.0	90	80-126
o-Xylene	8260C	18.7	20.0	94	79-123
Styrene	8260C	18.4	20.0	92	80-124

ALS Group USA, Corp.
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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/05/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812319-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	20.9	20.0	104	65-146
1,1,2,2-Tetrachloroethane	8260C	17.8	20.0	89	78-126

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/06/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812380-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	15.8	20.0	79	65-135
Vinyl Chloride	8260C	19.5	20.0	98	74-159
Chloroethane	8260C	15.8	20.0	79	62-131
Bromomethane	8260C	19.7	20.0	99	42-166
1,1-Dichloroethene	8260C	21.2	20.0	106	71-118
Acetone	8260C	17.0	20.0	85	40-161
Carbon Disulfide	8260C	20.2	20.0	101	66-128
Methylene Chloride	8260C	20.5	20.0	102	73-122
trans-1,2-Dichloroethene	8260C	20.6	20.0	103	73-118
1,1-Dichloroethane	8260C	19.9	20.0	99	80-124
cis-1,2-Dichloroethene	8260C	19.9	20.0	100	80-121
2-Butanone (MEK)	8260C	16.1	20.0	80	61-137
Chloroform	8260C	20.6	20.0	103	79-120
1,1,1-Trichloroethane	8260C	21.9	20.0	110	75-125
Carbon Tetrachloride	8260C	22.6	20.0	113	70-127
Benzene	8260C	20.4	20.0	102	79-119
1,2-Dichloroethane	8260C	21.2	20.0	106	71-127
Trichloroethene	8260C	19.9	20.0	100	74-122
1,2-Dichloropropane	8260C	20.7	20.0	104	80-119
Bromodichloromethane	8260C	21.5	20.0	107	81-123
cis-1,3-Dichloropropene	8260C	20.3	20.0	101	77-122
4-Methyl-2-pentanone (MIBK)	8260C	16.6	20.0	83	66-124
Toluene	8260C	20.9	20.0	104	79-119
trans-1,3-Dichloropropene	8260C	20.4	20.0	102	71-133
1,1,2-Trichloroethane	8260C	20.0	20.0	100	82-121
Tetrachloroethene	8260C	21.1	20.0	105	72-125
2-Hexanone	8260C	15.9	20.0	79	63-124
Dibromochloromethane	8260C	20.8	20.0	104	72-128
Chlorobenzene	8260C	20.4	20.0	102	80-121
Ethylbenzene	8260C	21.1	20.0	106	76-120
m,p-Xylenes	8260C	40.7	40.0	102	80-126
o-Xylene	8260C	21.3	20.0	106	79-123
Styrene	8260C	20.5	20.0	102	80-124

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/06/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1812380-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	21.6	20.0	108	65-146
1,1,2,2-Tetrachloroethane	8260C	18.4	20.0	92	78-126

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812381-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	13.9	20.0	70	65-135
Vinyl Chloride	8260C	18.0	20.0	90	74-159
Chloroethane	8260C	15.6	20.0	78	62-131
Bromomethane	8260C	15.5	20.0	78	42-166
1,1-Dichloroethene	8260C	18.7	20.0	94	71-118
Acetone	8260C	19.0	20.0	95	40-161
Carbon Disulfide	8260C	20.1	20.0	100	66-128
Methylene Chloride	8260C	19.6	20.0	98	73-122
trans-1,2-Dichloroethene	8260C	20.0	20.0	100	73-118
1,1-Dichloroethane	8260C	19.7	20.0	99	80-124
cis-1,2-Dichloroethene	8260C	19.3	20.0	97	80-121
2-Butanone (MEK)	8260C	18.9	20.0	95	61-137
Chloroform	8260C	20.1	20.0	100	79-120
1,1,1-Trichloroethane	8260C	21.1	20.0	106	75-125
Carbon Tetrachloride	8260C	22.0	20.0	110	70-127
Benzene	8260C	19.7	20.0	99	79-119
1,2-Dichloroethane	8260C	20.0	20.0	100	71-127
Trichloroethene	8260C	19.7	20.0	98	74-122
1,2-Dichloropropane	8260C	19.7	20.0	98	80-119
Bromodichloromethane	8260C	20.5	20.0	102	81-123
cis-1,3-Dichloropropene	8260C	20.2	20.0	101	77-122
4-Methyl-2-pentanone (MIBK)	8260C	19.6	20.0	98	66-124
Toluene	8260C	20.3	20.0	102	79-119
trans-1,3-Dichloropropene	8260C	19.7	20.0	99	71-133
1,1,2-Trichloroethane	8260C	19.6	20.0	98	82-121
Tetrachloroethene	8260C	19.9	20.0	99	72-125
2-Hexanone	8260C	18.5	20.0	92	63-124
Dibromochloromethane	8260C	20.5	20.0	103	72-128
Chlorobenzene	8260C	19.4	20.0	97	80-121
Ethylbenzene	8260C	19.8	20.0	99	76-120
m,p-Xylenes	8260C	38.7	40.0	97	80-126
o-Xylene	8260C	20.0	20.0	100	79-123
Styrene	8260C	19.2	20.0	96	80-124

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1812381-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	22.3	20.0	111	65-146
1,1,2,2-Tetrachloroethane	8260C	20.8	20.0	104	78-126



November 13, 2018

Service Request No:R1810579

Ms. Cecelia Byers
APTIM, Inc
2790 Mosside Boulevard
Monroeville, PA 15146

Laboratory Results for: Textron Wheatfield Annual

Dear Ms.Byers,

Enclosed are the results of the sample(s) submitted to our laboratory October 31, 2018
For your reference, these analyses have been assigned our service request number **R1810579**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Lisa
Schermerhorn

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: APTIM, Inc
Project: Textron Wheatfield Annual
Sample Matrix: Water

Service Request: R1810579
Date Received: 10/31/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Seventeen water samples were received for analysis at ALS Environmental on 10/31/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Volatiles by GC/MS:

Method 8260C, 11/06/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 11/09/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 11/09/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 11/09/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by _____

Date 11/13/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-13-181031	Lab ID: R1810579-002

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	160		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.50	J	0.28	1.0	ug/L	8260C
Acetone	2.1	J	2.1	5.0	ug/L	8260C
Carbon Disulfide	0.41	J	0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.2		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	8.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	56		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	18		0.25	1.0	ug/L	8260C
Trichloroethene	1.3		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-EW-8-181031	Lab ID: R1810579-003

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	27		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.36	J	0.28	1.0	ug/L	8260C
Methylene Chloride	9.2		0.47	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.54	J	0.26	1.0	ug/L	8260C
1,1-Dichloroethane	2.2		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	80		0.26	1.0	ug/L	8260C
Chloroform	1.0		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	2.1		0.25	1.0	ug/L	8260C
Trichloroethene	3.1		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DW-12-181031	Lab ID: R1810579-004

Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	0.72	J	0.26	1.0	ug/L	8260C
Trichloroethene	1.4		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DW-11-181031	Lab ID: R1810579-005

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	0.53	J	0.22	1.0	ug/L	8260C
Acetone	2.7	J	2.1	5.0	ug/L	8260C
Methylene Chloride	0.77	J	0.47	1.0	ug/L	8260C
cis-1,2-Dichloroethene	11		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.31	J	0.25	1.0	ug/L	8260C
Trichloroethene	35		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-87-10(0)-181031	Lab ID: R1810579-006

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1-Dichloroethane	1.3		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	6.0		0.26	1.0	ug/L	8260C
Chloroform	1.1		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.44	J	0.25	1.0	ug/L	8260C
Trichloroethene	1.1		0.20	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-89-15(1)-181031	Lab ID: R1810579-007

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	190	D	0.55	2.5	ug/L	8260C
1,1-Dichloroethene	1.8		0.28	1.0	ug/L	8260C
Carbon Disulfide	200		0.31	1.0	ug/L	8260C
Methylene Chloride	380	D	1.2	2.5	ug/L	8260C
trans-1,2-Dichloroethene	4.2		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	9.3		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	290	D	0.65	2.5	ug/L	8260C
2-Butanone (MEK)	2.8	J	0.78	5.0	ug/L	8260C
Chloroform	1.9		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.7		0.25	1.0	ug/L	8260C
Benzene	0.34	J	0.20	1.0	ug/L	8260C
Trichloroethene	130		0.20	1.0	ug/L	8260C
Toluene	0.47	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DW-10-181031	Lab ID: R1810579-008

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	6.2		0.55	2.5	ug/L	8260C
1,1-Dichloroethene	0.73	J	0.70	2.5	ug/L	8260C
Acetone	18		5.3	13	ug/L	8260C
Carbon Disulfide	2.5		0.78	2.5	ug/L	8260C
Methylene Chloride	390		1.2	2.5	ug/L	8260C
cis-1,2-Dichloroethene	15		0.65	2.5	ug/L	8260C
2-Butanone (MEK)	10	J	2.0	13	ug/L	8260C
Chloroform	1.1	J	0.70	2.5	ug/L	8260C
Trichloroethene	100		0.50	2.5	ug/L	8260C
2-Hexanone	21		0.85	13	ug/L	8260C

CLIENT ID: BAT-87-13(3)-181031	Lab ID: R1810579-009

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	2800		110	500	ug/L	8260C
Carbon Disulfide	340	J	160	500	ug/L	8260C
Methylene Chloride	280	J	240	500	ug/L	8260C
trans-1,2-Dichloroethene	510		130	500	ug/L	8260C
cis-1,2-Dichloroethene	46000		130	500	ug/L	8260C
Chloroform	480	J	140	500	ug/L	8260C
Trichloroethene	620		100	500	ug/L	8260C

CLIENT ID: BAT-87-14(0)-181031	Lab ID: R1810579-010

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	2.5	J	2.1	5.0	ug/L	8260C
cis-1,2-Dichloroethene	0.57	J	0.26	1.0	ug/L	8260C
Chloroform	0.46	J	0.28	1.0	ug/L	8260C
Trichloroethene	97		0.20	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-14(0)-181031	Lab ID: R1810579-010

Analyte	Results	Flag	MDL	MRL	Units	Method
Toluene	0.21	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-87-08(1)-181031	Lab ID: R1810579-011

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	810		2.2	10	ug/L	8260C
1,1-Dichloroethene	6.2	J	2.8	10	ug/L	8260C
Carbon Disulfide	61		3.1	10	ug/L	8260C
Methylene Chloride	290		4.7	10	ug/L	8260C
trans-1,2-Dichloroethene	8.8	J	2.6	10	ug/L	8260C
1,1-Dichloroethane	24		2.0	10	ug/L	8260C
cis-1,2-Dichloroethene	660		2.6	10	ug/L	8260C
1,1,1-Trichloroethane	8.5	J	2.5	10	ug/L	8260C
Trichloroethene	46		2.0	10	ug/L	8260C

CLIENT ID: BAT-DUP-2-181031	Lab ID: R1810579-012

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	19		0.22	1.0	ug/L	8260C
Carbon Disulfide	0.34	J	0.31	1.0	ug/L	8260C
Methylene Chloride	7.5		0.47	1.0	ug/L	8260C
1,1-Dichloroethane	1.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	60		0.26	1.0	ug/L	8260C
Chloroform	1.0		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.8		0.25	1.0	ug/L	8260C
Trichloroethene	2.7		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DW-9-181031	Lab ID: R1810579-013

Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	3.3		0.26	1.0	ug/L	8260C
Chloroform	1.2		0.28	1.0	ug/L	8260C
Trichloroethene	16		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-B-8(0)-181031	Lab ID: R1810579-014

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	3.1	J	2.1	5.0	ug/L	8260C

CLIENT ID: BAT-87-17(1)-181031	Lab ID: R1810579-015

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	260		0.44	2.0	ug/L	8260C
1,1-Dichloroethene	1.3	J	0.56	2.0	ug/L	8260C
Carbon Disulfide	0.85	J	0.62	2.0	ug/L	8260C
trans-1,2-Dichloroethene	2.4		0.52	2.0	ug/L	8260C
1,1-Dichloroethane	20		0.40	2.0	ug/L	8260C
cis-1,2-Dichloroethene	110		0.52	2.0	ug/L	8260C
1,1,1-Trichloroethane	72		0.50	2.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-17(1)-181031			Lab ID: R1810579-015			

Analyte	Results	Flag	MDL	MRL	Units	Method
Trichloroethene	5.1		0.40	2.0	ug/L	8260C

CLIENT ID: Trip Blank 1			Lab ID: R1810579-016			

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	2.5	J	2.1	5.0	ug/L	8260C

CLIENT ID: Trip Blank 2			Lab ID: R1810579-017			

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	2.7	J	2.1	5.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request:R1810579

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1810579-001	BAT-EW-7-181031	10/31/2018	0750
R1810579-002	BAT-EW-13-181031	10/31/2018	0805
R1810579-003	BAT-EW-8-181031	10/31/2018	0825
R1810579-004	BAT-DW-12-181031	10/31/2018	0845
R1810579-005	BAT-DW-11-181031	10/31/2018	0925
R1810579-006	BAT-87-10(0)-181031	10/31/2018	0910
R1810579-007	BAT-89-15(1)-181031	10/31/2018	1005
R1810579-008	BAT-DW-10-181031	10/31/2018	1015
R1810579-009	BAT-87-13(3)-181031	10/31/2018	1045
R1810579-010	BAT-87-14(0)-181031	10/31/2018	1120
R1810579-011	BAT-87-08(1)-181031	10/31/2018	1145
R1810579-012	BAT-DUP-2-181031	10/31/2018	
R1810579-013	BAT-DW-9-181031	10/31/2018	1200
R1810579-014	BAT-B-8(0)-181031	10/31/2018	1215
R1810579-015	BAT-87-17(1)-181031	10/31/2018	1315
R1810579-016	Trip Blank 1	10/31/2018	
R1810579-017	Trip Blank 2	10/31/2018	



Cooler Receipt and Preservation Check Form

R1810579

5

APTIM, Inc.
Textron Wheatfield AnnualProject/Client Textron / APTIM

Folder Number _____

Cooler received on 10/31/18 by: VSCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y ☒ N ☐
2	Custody papers properly completed (ink, signed)?	☒ Y ☐ N
3	Did all bottles arrive in good condition (unbroken)?	☒ Y ☐ N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	☒ Y ☐ N

5a	Perchlorate samples have required headspace?	Y ☐ N ☒ NA ☐
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles ?	☒ Y ☐ N ☐ NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	☒ NA

8. Temperature Readings Date: 10/31/18 Time: 16:20 ID: (IR#7) IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.1</u>	<u>3.8</u>	<u>4.5</u>				
Correction Factor (°C)	<u>+1.0</u>	<u>+1.0</u>	<u>+0.3</u>				
Corrected Temp (°C)	<u>5.1</u>	<u>4.8</u>	<u>4.8</u>				
Temp from: Type of bottle	<u>cont tube</u>	<u>cont tube</u>	<u>Voa Vial</u>				
Within 0-6°C?	☒ Y ☐ N	☒ Y ☐ N	☒ Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N
If <0°C, were samples frozen?	Y ☒ N	Y ☒ N	Y ☒ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by VS on 10/31/18 at 16:20
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 11/1/18 Time: 1746 by: dk

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized N/A Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**	<u>4117090</u>	<u>10/18</u>				

**VOAs and 1664 Not to be tested before analysis.
Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).Bottle lot numbers: 8-206-001

Explain all Discrepancies/ Other Comments:

* See COC

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL354I
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: dkPC Secondary Review: dk 11/1/18

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
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Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810579

Sample Name: BAT-EW-7-181031
Lab Code: R1810579-001
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-EW-13-181031
Lab Code: R1810579-002
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-EW-8-181031
Lab Code: R1810579-003
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DW-12-181031
Lab Code: R1810579-004
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DW-11-181031
Lab Code: R1810579-005
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810579

Sample Name: BAT-87-10(0)-181031
Lab Code: R1810579-006
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-89-15(1)-181031
Lab Code: R1810579-007
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DW-10-181031
Lab Code: R1810579-008
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-87-13(3)-181031
Lab Code: R1810579-009
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-87-14(0)-181031
Lab Code: R1810579-010
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.
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Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810579

Sample Name: BAT-87-08(1)-181031
Lab Code: R1810579-011
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DUP-2-181031
Lab Code: R1810579-012
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DW-9-181031
Lab Code: R1810579-013
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-B-8(0)-181031
Lab Code: R1810579-014
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-87-17(1)-181031
Lab Code: R1810579-015
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc**Service Request:** R1810579**Project:** Textron Wheatfield Annual/631236330**Sample Name:** Trip Blank 1**Date Collected:** 10/31/18**Lab Code:** R1810579-016**Date Received:** 10/31/18**Sample Matrix:** Water**Analysis Method****Extracted/Digested By****Analyzed By**

8260C

KRUEST

Sample Name: Trip Blank 2**Date Collected:** 10/31/18**Lab Code:** R1810579-017**Date Received:** 10/31/18**Sample Matrix:** Water**Analysis Method****Extracted/Digested By****Analyzed By**

8260C

KRUEST



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 07:50
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-7-181031
Lab Code: R1810579-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 17:52	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 17:52	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 17:52	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 17:52	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 17:52	
Acetone	5.0 U	5.0	2.1	1	11/06/18 17:52	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 17:52	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 17:52	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 17:52	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 17:52	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 17:52	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 17:52	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 17:52	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 17:52	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 17:52	
Benzene	1.0 U	1.0	0.20	1	11/06/18 17:52	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 17:52	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 17:52	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 17:52	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 17:52	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 17:52	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 17:52	
Toluene	1.0 U	1.0	0.20	1	11/06/18 17:52	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 17:52	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 17:52	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 17:52	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 17:52	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 17:52	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 17:52	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 17:52	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 17:52	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 17:52	
Styrene	1.0 U	1.0	0.20	1	11/06/18 17:52	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 17:52	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 17:52	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 07:50
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-7-181031
Lab Code: R1810579-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	11/06/18 17:52	
Toluene-d8	104	87 - 121	11/06/18 17:52	
Dibromofluoromethane	98	89 - 119	11/06/18 17:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:05
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-13-181031
Lab Code: R1810579-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 18:14	
Vinyl Chloride	160	1.0	0.22	1	11/06/18 18:14	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 18:14	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 18:14	
1,1-Dichloroethene	0.50 J	1.0	0.28	1	11/06/18 18:14	
Acetone	2.1 J	5.0	2.1	1	11/06/18 18:14	
Carbon Disulfide	0.41 J	1.0	0.31	1	11/06/18 18:14	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 18:14	
trans-1,2-Dichloroethene	1.2	1.0	0.26	1	11/06/18 18:14	
1,1-Dichloroethane	8.1	1.0	0.20	1	11/06/18 18:14	
cis-1,2-Dichloroethene	56	1.0	0.26	1	11/06/18 18:14	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 18:14	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 18:14	
1,1,1-Trichloroethane	18	1.0	0.25	1	11/06/18 18:14	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 18:14	
Benzene	1.0 U	1.0	0.20	1	11/06/18 18:14	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 18:14	
Trichloroethene	1.3	1.0	0.20	1	11/06/18 18:14	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 18:14	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 18:14	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 18:14	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 18:14	
Toluene	1.0 U	1.0	0.20	1	11/06/18 18:14	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 18:14	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 18:14	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 18:14	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 18:14	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 18:14	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 18:14	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 18:14	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 18:14	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 18:14	
Styrene	1.0 U	1.0	0.20	1	11/06/18 18:14	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 18:14	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 18:14	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:05
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-13-181031
Lab Code: R1810579-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	11/06/18 18:14	
Toluene-d8	101	87 - 121	11/06/18 18:14	
Dibromofluoromethane	107	89 - 119	11/06/18 18:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:25
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-8-181031
Lab Code: R1810579-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 18:36	
Vinyl Chloride	27	1.0	0.22	1	11/06/18 18:36	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 18:36	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 18:36	
1,1-Dichloroethene	0.36 J	1.0	0.28	1	11/06/18 18:36	
Acetone	5.0 U	5.0	2.1	1	11/06/18 18:36	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 18:36	
Methylene Chloride	9.2	1.0	0.47	1	11/06/18 18:36	
trans-1,2-Dichloroethene	0.54 J	1.0	0.26	1	11/06/18 18:36	
1,1-Dichloroethane	2.2	1.0	0.20	1	11/06/18 18:36	
cis-1,2-Dichloroethene	80	1.0	0.26	1	11/06/18 18:36	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 18:36	
Chloroform	1.0	1.0	0.28	1	11/06/18 18:36	
1,1,1-Trichloroethane	2.1	1.0	0.25	1	11/06/18 18:36	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 18:36	
Benzene	1.0 U	1.0	0.20	1	11/06/18 18:36	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 18:36	
Trichloroethene	3.1	1.0	0.20	1	11/06/18 18:36	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 18:36	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 18:36	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 18:36	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 18:36	
Toluene	1.0 U	1.0	0.20	1	11/06/18 18:36	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 18:36	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 18:36	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 18:36	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 18:36	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 18:36	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 18:36	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 18:36	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 18:36	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 18:36	
Styrene	1.0 U	1.0	0.20	1	11/06/18 18:36	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 18:36	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 18:36	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:25
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-8-181031
Lab Code: R1810579-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	11/06/18 18:36	
Toluene-d8	100	87 - 121	11/06/18 18:36	
Dibromofluoromethane	103	89 - 119	11/06/18 18:36	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:45
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-12-181031
Lab Code: R1810579-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 07:07	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 07:07	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 07:07	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 07:07	
1,1-Dichloroethane	1.0 U	1.0	0.28	1	11/09/18 07:07	
Acetone	5.0 U	5.0	2.1	1	11/09/18 07:07	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 07:07	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 07:07	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 07:07	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 07:07	
cis-1,2-Dichloroethene	0.72 J	1.0	0.26	1	11/09/18 07:07	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 07:07	
Chloroform	1.0 U	1.0	0.28	1	11/09/18 07:07	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 07:07	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 07:07	
Benzene	1.0 U	1.0	0.20	1	11/09/18 07:07	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 07:07	
Trichloroethene	1.4	1.0	0.20	1	11/09/18 07:07	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 07:07	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 07:07	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 07:07	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 07:07	
Toluene	1.0 U	1.0	0.20	1	11/09/18 07:07	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 07:07	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 07:07	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 07:07	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 07:07	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 07:07	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 07:07	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 07:07	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 07:07	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 07:07	
Styrene	1.0 U	1.0	0.20	1	11/09/18 07:07	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 07:07	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 07:07	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:45
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-12-181031
Lab Code: R1810579-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	11/09/18 07:07	
Toluene-d8	104	87 - 121	11/09/18 07:07	
Dibromofluoromethane	102	89 - 119	11/09/18 07:07	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 09:25
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-11-181031
Lab Code: R1810579-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 13:48	
Vinyl Chloride	0.53 J	1.0	0.22	1	11/09/18 13:48	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 13:48	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 13:48	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 13:48	
Acetone	2.7 J	5.0	2.1	1	11/09/18 13:48	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 13:48	
Methylene Chloride	0.77 J	1.0	0.47	1	11/09/18 13:48	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 13:48	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 13:48	
cis-1,2-Dichloroethene	11	1.0	0.26	1	11/09/18 13:48	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 13:48	
Chloroform	1.0 U	1.0	0.28	1	11/09/18 13:48	
1,1,1-Trichloroethane	0.31 J	1.0	0.25	1	11/09/18 13:48	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 13:48	
Benzene	1.0 U	1.0	0.20	1	11/09/18 13:48	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 13:48	
Trichloroethene	35	1.0	0.20	1	11/09/18 13:48	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 13:48	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 13:48	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 13:48	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 13:48	
Toluene	1.0 U	1.0	0.20	1	11/09/18 13:48	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 13:48	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 13:48	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 13:48	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 13:48	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 13:48	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 13:48	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 13:48	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 13:48	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 13:48	
Styrene	1.0 U	1.0	0.20	1	11/09/18 13:48	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 13:48	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 13:48	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 09:25
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-11-181031
Lab Code: R1810579-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/09/18 13:48	
Toluene-d8	105	87 - 121	11/09/18 13:48	
Dibromofluoromethane	99	89 - 119	11/09/18 13:48	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 09:10
Date Received: 10/31/18 15:40

Sample Name: BAT-87-10(0)-181031
Lab Code: R1810579-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 19:19	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 19:19	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 19:19	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 19:19	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 19:19	
Acetone	5.0 U	5.0	2.1	1	11/06/18 19:19	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 19:19	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 19:19	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 19:19	
1,1-Dichloroethane	1.3	1.0	0.20	1	11/06/18 19:19	
cis-1,2-Dichloroethene	6.0	1.0	0.26	1	11/06/18 19:19	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 19:19	
Chloroform	1.1	1.0	0.28	1	11/06/18 19:19	
1,1,1-Trichloroethane	0.44 J	1.0	0.25	1	11/06/18 19:19	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 19:19	
Benzene	1.0 U	1.0	0.20	1	11/06/18 19:19	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 19:19	
Trichloroethene	1.1	1.0	0.20	1	11/06/18 19:19	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 19:19	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 19:19	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 19:19	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 19:19	
Toluene	1.0 U	1.0	0.20	1	11/06/18 19:19	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 19:19	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 19:19	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 19:19	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 19:19	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 19:19	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 19:19	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 19:19	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 19:19	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 19:19	
Styrene	1.0 U	1.0	0.20	1	11/06/18 19:19	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 19:19	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 19:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 09:10
Date Received: 10/31/18 15:40

Sample Name: BAT-87-10(0)-181031
Lab Code: R1810579-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/06/18 19:19	
Toluene-d8	97	87 - 121	11/06/18 19:19	
Dibromofluoromethane	97	89 - 119	11/06/18 19:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:05
Date Received: 10/31/18 15:40

Sample Name: BAT-89-15(1)-181031
Lab Code: R1810579-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 19:41	
Vinyl Chloride	190 D	2.5	0.55	2.5	11/09/18 03:31	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 19:41	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 19:41	
1,1-Dichloroethene	1.8	1.0	0.28	1	11/06/18 19:41	
Acetone	5.0 U	5.0	2.1	1	11/06/18 19:41	
Carbon Disulfide	200	1.0	0.31	1	11/06/18 19:41	
Methylene Chloride	380 D	2.5	1.2	2.5	11/09/18 03:31	
trans-1,2-Dichloroethene	4.2	1.0	0.26	1	11/06/18 19:41	
1,1-Dichloroethane	9.3	1.0	0.20	1	11/06/18 19:41	
cis-1,2-Dichloroethene	290 D	2.5	0.65	2.5	11/09/18 03:31	
2-Butanone (MEK)	2.8 J	5.0	0.78	1	11/06/18 19:41	
Chloroform	1.9	1.0	0.28	1	11/06/18 19:41	
1,1,1-Trichloroethane	1.7	1.0	0.25	1	11/06/18 19:41	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 19:41	
Benzene	0.34 J	1.0	0.20	1	11/06/18 19:41	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 19:41	
Trichloroethene	130	1.0	0.20	1	11/06/18 19:41	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 19:41	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 19:41	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 19:41	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 19:41	
Toluene	0.47 J	1.0	0.20	1	11/06/18 19:41	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 19:41	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 19:41	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 19:41	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 19:41	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 19:41	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 19:41	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 19:41	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 19:41	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 19:41	
Styrene	1.0 U	1.0	0.20	1	11/06/18 19:41	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 19:41	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 19:41	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:05
Date Received: 10/31/18 15:40

Sample Name: BAT-89-15(1)-181031
Lab Code: R1810579-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	11/06/18 19:41	
Toluene-d8	106	87 - 121	11/06/18 19:41	
Dibromofluoromethane	103	89 - 119	11/06/18 19:41	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:15
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-10-181031
Lab Code: R1810579-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.5 U	2.5	0.70	2.5	11/09/18 17:47	
Vinyl Chloride	6.2	2.5	0.55	2.5	11/09/18 17:47	
Chloroethane	2.5 U	2.5	0.58	2.5	11/09/18 17:47	
Bromomethane	2.5 U	2.5	1.8	2.5	11/09/18 17:47	
1,1-Dichloroethene	0.73 J	2.5	0.70	2.5	11/09/18 17:47	
Acetone	18	13	5.3	2.5	11/09/18 17:47	
Carbon Disulfide	2.5	2.5	0.78	2.5	11/09/18 17:47	
Methylene Chloride	390	2.5	1.2	2.5	11/09/18 17:47	
trans-1,2-Dichloroethene	2.5 U	2.5	0.65	2.5	11/09/18 17:47	
1,1-Dichloroethane	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
cis-1,2-Dichloroethene	15	2.5	0.65	2.5	11/09/18 17:47	
2-Butanone (MEK)	10 J	13	2.0	2.5	11/09/18 17:47	
Chloroform	1.1 J	2.5	0.70	2.5	11/09/18 17:47	
1,1,1-Trichloroethane	2.5 U	2.5	0.63	2.5	11/09/18 17:47	
Carbon Tetrachloride	2.5 U	2.5	0.85	2.5	11/09/18 17:47	
Benzene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
1,2-Dichloroethane	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Trichloroethene	100	2.5	0.50	2.5	11/09/18 17:47	
1,2-Dichloropropane	2.5 U	2.5	0.53	2.5	11/09/18 17:47	
Bromodichloromethane	2.5 U	2.5	0.78	2.5	11/09/18 17:47	
cis-1,3-Dichloropropene	2.5 U	2.5	0.75	2.5	11/09/18 17:47	
4-Methyl-2-pentanone (MIBK)	13 U	13	0.73	2.5	11/09/18 17:47	
Toluene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
trans-1,3-Dichloropropene	2.5 U	2.5	0.75	2.5	11/09/18 17:47	
1,1,2-Trichloroethane	2.5 U	2.5	0.63	2.5	11/09/18 17:47	
Tetrachloroethene	2.5 U	2.5	0.70	2.5	11/09/18 17:47	
2-Hexanone	21	13	0.85	2.5	11/09/18 17:47	
Dibromochloromethane	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Chlorobenzene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Ethylbenzene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
m,p-Xylenes	5.0 U	5.0	0.53	2.5	11/09/18 17:47	
o-Xylene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Styrene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Bromoform	2.5 U	2.5	0.90	2.5	11/09/18 17:47	
1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.50	2.5	11/09/18 17:47	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:15
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-10-181031
Lab Code: R1810579-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	11/09/18 17:47	
Toluene-d8	102	87 - 121	11/09/18 17:47	
Dibromofluoromethane	104	89 - 119	11/09/18 17:47	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-13(3)-181031
Lab Code: R1810579-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	500 U	500	140	500	11/09/18 14:53	
Vinyl Chloride	2800	500	110	500	11/09/18 14:53	
Chloroethane	500 U	500	120	500	11/09/18 14:53	
Bromomethane	500 U	500	350	500	11/09/18 14:53	
1,1-Dichloroethene	500 U	500	140	500	11/09/18 14:53	
Acetone	2500 U	2500	1100	500	11/09/18 14:53	
Carbon Disulfide	340 J	500	160	500	11/09/18 14:53	
Methylene Chloride	280 J	500	240	500	11/09/18 14:53	
trans-1,2-Dichloroethene	510	500	130	500	11/09/18 14:53	
1,1-Dichloroethane	500 U	500	100	500	11/09/18 14:53	
cis-1,2-Dichloroethene	46000	500	130	500	11/09/18 14:53	
2-Butanone (MEK)	2500 U	2500	390	500	11/09/18 14:53	
Chloroform	480 J	500	140	500	11/09/18 14:53	
1,1,1-Trichloroethane	500 U	500	130	500	11/09/18 14:53	
Carbon Tetrachloride	500 U	500	170	500	11/09/18 14:53	
Benzene	500 U	500	100	500	11/09/18 14:53	
1,2-Dichloroethane	500 U	500	100	500	11/09/18 14:53	
Trichloroethene	620	500	100	500	11/09/18 14:53	
1,2-Dichloropropane	500 U	500	110	500	11/09/18 14:53	
Bromodichloromethane	500 U	500	160	500	11/09/18 14:53	
cis-1,3-Dichloropropene	500 U	500	150	500	11/09/18 14:53	
4-Methyl-2-pentanone (MIBK)	2500 U	2500	150	500	11/09/18 14:53	
Toluene	500 U	500	100	500	11/09/18 14:53	
trans-1,3-Dichloropropene	500 U	500	150	500	11/09/18 14:53	
1,1,2-Trichloroethane	500 U	500	130	500	11/09/18 14:53	
Tetrachloroethene	500 U	500	140	500	11/09/18 14:53	
2-Hexanone	2500 U	2500	170	500	11/09/18 14:53	
Dibromochloromethane	500 U	500	100	500	11/09/18 14:53	
Chlorobenzene	500 U	500	100	500	11/09/18 14:53	
Ethylbenzene	500 U	500	100	500	11/09/18 14:53	
m,p-Xylenes	1000 U	1000	110	500	11/09/18 14:53	
o-Xylene	500 U	500	100	500	11/09/18 14:53	
Styrene	500 U	500	100	500	11/09/18 14:53	
Bromoform	500 U	500	180	500	11/09/18 14:53	
1,1,2,2-Tetrachloroethane	500 U	500	100	500	11/09/18 14:53	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-13(3)-181031
Lab Code: R1810579-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/09/18 14:53	
Toluene-d8	103	87 - 121	11/09/18 14:53	
Dibromofluoromethane	99	89 - 119	11/09/18 14:53	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 11:20
Date Received: 10/31/18 15:40

Sample Name: BAT-87-14(0)-181031
Lab Code: R1810579-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 02:26	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 02:26	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 02:26	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 02:26	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 02:26	
Acetone	2.5 J	5.0	2.1	1	11/09/18 02:26	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 02:26	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 02:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 02:26	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 02:26	
cis-1,2-Dichloroethene	0.57 J	1.0	0.26	1	11/09/18 02:26	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 02:26	
Chloroform	0.46 J	1.0	0.28	1	11/09/18 02:26	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 02:26	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 02:26	
Benzene	1.0 U	1.0	0.20	1	11/09/18 02:26	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 02:26	
Trichloroethene	97	1.0	0.20	1	11/09/18 02:26	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 02:26	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 02:26	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 02:26	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 02:26	
Toluene	0.21 J	1.0	0.20	1	11/09/18 02:26	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 02:26	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 02:26	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 02:26	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 02:26	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 02:26	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 02:26	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 02:26	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 02:26	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 02:26	
Styrene	1.0 U	1.0	0.20	1	11/09/18 02:26	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 02:26	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 02:26	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 11:20
Date Received: 10/31/18 15:40

Sample Name: BAT-87-14(0)-181031
Lab Code: R1810579-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	11/09/18 02:26	
Toluene-d8	102	87 - 121	11/09/18 02:26	
Dibromofluoromethane	99	89 - 119	11/09/18 02:26	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 11:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-08(1)-181031
Lab Code: R1810579-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	10 U	10	2.8	10	11/09/18 04:36	
Vinyl Chloride	810	10	2.2	10	11/09/18 04:36	
Chloroethane	10 U	10	2.3	10	11/09/18 04:36	
Bromomethane	10 U	10	7.0	10	11/09/18 04:36	
1,1-Dichloroethene	6.2 J	10	2.8	10	11/09/18 04:36	
Acetone	50 U	50	21	10	11/09/18 04:36	
Carbon Disulfide	61	10	3.1	10	11/09/18 04:36	
Methylene Chloride	290	10	4.7	10	11/09/18 04:36	
trans-1,2-Dichloroethene	8.8 J	10	2.6	10	11/09/18 04:36	
1,1-Dichloroethane	24	10	2.0	10	11/09/18 04:36	
cis-1,2-Dichloroethene	660	10	2.6	10	11/09/18 04:36	
2-Butanone (MEK)	50 U	50	7.8	10	11/09/18 04:36	
Chloroform	10 U	10	2.8	10	11/09/18 04:36	
1,1,1-Trichloroethane	8.5 J	10	2.5	10	11/09/18 04:36	
Carbon Tetrachloride	10 U	10	3.4	10	11/09/18 04:36	
Benzene	10 U	10	2.0	10	11/09/18 04:36	
1,2-Dichloroethane	10 U	10	2.0	10	11/09/18 04:36	
Trichloroethene	46	10	2.0	10	11/09/18 04:36	
1,2-Dichloropropane	10 U	10	2.1	10	11/09/18 04:36	
Bromodichloromethane	10 U	10	3.1	10	11/09/18 04:36	
cis-1,3-Dichloropropene	10 U	10	3.0	10	11/09/18 04:36	
4-Methyl-2-pentanone (MIBK)	50 U	50	2.9	10	11/09/18 04:36	
Toluene	10 U	10	2.0	10	11/09/18 04:36	
trans-1,3-Dichloropropene	10 U	10	3.0	10	11/09/18 04:36	
1,1,2-Trichloroethane	10 U	10	2.5	10	11/09/18 04:36	
Tetrachloroethene	10 U	10	2.8	10	11/09/18 04:36	
2-Hexanone	50 U	50	3.4	10	11/09/18 04:36	
Dibromochloromethane	10 U	10	2.0	10	11/09/18 04:36	
Chlorobenzene	10 U	10	2.0	10	11/09/18 04:36	
Ethylbenzene	10 U	10	2.0	10	11/09/18 04:36	
m,p-Xylenes	20 U	20	2.1	10	11/09/18 04:36	
o-Xylene	10 U	10	2.0	10	11/09/18 04:36	
Styrene	10 U	10	2.0	10	11/09/18 04:36	
Bromoform	10 U	10	3.6	10	11/09/18 04:36	
1,1,2,2-Tetrachloroethane	10 U	10	2.0	10	11/09/18 04:36	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 11:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-08(1)-181031
Lab Code: R1810579-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/09/18 04:36	
Toluene-d8	105	87 - 121	11/09/18 04:36	
Dibromofluoromethane	106	89 - 119	11/09/18 04:36	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: BAT-DUP-2-181031
Lab Code: R1810579-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 03:09	
Vinyl Chloride	19	1.0	0.22	1	11/09/18 03:09	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 03:09	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 03:09	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 03:09	
Acetone	5.0 U	5.0	2.1	1	11/09/18 03:09	
Carbon Disulfide	0.34 J	1.0	0.31	1	11/09/18 03:09	
Methylene Chloride	7.5	1.0	0.47	1	11/09/18 03:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 03:09	
1,1-Dichloroethane	1.9	1.0	0.20	1	11/09/18 03:09	
cis-1,2-Dichloroethene	60	1.0	0.26	1	11/09/18 03:09	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 03:09	
Chloroform	1.0	1.0	0.28	1	11/09/18 03:09	
1,1,1-Trichloroethane	1.8	1.0	0.25	1	11/09/18 03:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 03:09	
Benzene	1.0 U	1.0	0.20	1	11/09/18 03:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 03:09	
Trichloroethene	2.7	1.0	0.20	1	11/09/18 03:09	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 03:09	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 03:09	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 03:09	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 03:09	
Toluene	1.0 U	1.0	0.20	1	11/09/18 03:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 03:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 03:09	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 03:09	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 03:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 03:09	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 03:09	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 03:09	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 03:09	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 03:09	
Styrene	1.0 U	1.0	0.20	1	11/09/18 03:09	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 03:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 03:09	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: BAT-DUP-2-181031
Lab Code: R1810579-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	11/09/18 03:09	
Toluene-d8	101	87 - 121	11/09/18 03:09	
Dibromofluoromethane	102	89 - 119	11/09/18 03:09	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 12:00
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-9-181031
Lab Code: R1810579-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 14:10	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 14:10	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 14:10	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 14:10	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 14:10	
Acetone	5.0 U	5.0	2.1	1	11/09/18 14:10	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 14:10	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 14:10	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 14:10	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 14:10	
cis-1,2-Dichloroethene	3.3	1.0	0.26	1	11/09/18 14:10	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 14:10	
Chloroform	1.2	1.0	0.28	1	11/09/18 14:10	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 14:10	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 14:10	
Benzene	1.0 U	1.0	0.20	1	11/09/18 14:10	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 14:10	
Trichloroethene	16	1.0	0.20	1	11/09/18 14:10	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 14:10	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 14:10	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 14:10	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 14:10	
Toluene	1.0 U	1.0	0.20	1	11/09/18 14:10	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 14:10	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 14:10	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 14:10	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 14:10	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 14:10	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 14:10	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 14:10	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 14:10	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 14:10	
Styrene	1.0 U	1.0	0.20	1	11/09/18 14:10	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 14:10	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 14:10	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 12:00
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-9-181031
Lab Code: R1810579-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/09/18 14:10	
Toluene-d8	103	87 - 121	11/09/18 14:10	
Dibromofluoromethane	101	89 - 119	11/09/18 14:10	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 12:15
Date Received: 10/31/18 15:40

Sample Name: BAT-B-8(0)-181031
Lab Code: R1810579-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 13:26	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 13:26	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 13:26	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 13:26	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 13:26	
Acetone	3.1 J	5.0	2.1	1	11/09/18 13:26	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 13:26	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 13:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 13:26	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 13:26	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 13:26	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 13:26	
Chloroform	1.0 U	1.0	0.28	1	11/09/18 13:26	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 13:26	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 13:26	
Benzene	1.0 U	1.0	0.20	1	11/09/18 13:26	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 13:26	
Trichloroethene	1.0 U	1.0	0.20	1	11/09/18 13:26	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 13:26	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 13:26	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 13:26	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 13:26	
Toluene	1.0 U	1.0	0.20	1	11/09/18 13:26	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 13:26	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 13:26	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 13:26	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 13:26	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 13:26	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 13:26	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 13:26	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 13:26	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 13:26	
Styrene	1.0 U	1.0	0.20	1	11/09/18 13:26	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 13:26	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 13:26	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 12:15
Date Received: 10/31/18 15:40

Sample Name: BAT-B-8(0)-181031
Lab Code: R1810579-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/09/18 13:26	
Toluene-d8	102	87 - 121	11/09/18 13:26	
Dibromofluoromethane	102	89 - 119	11/09/18 13:26	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 13:15
Date Received: 10/31/18 15:40

Sample Name: BAT-87-17(1)-181031
Lab Code: R1810579-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.0 U	2.0	0.56	2	11/06/18 13:32	
Vinyl Chloride	260	2.0	0.44	2	11/06/18 13:32	
Chloroethane	2.0 U	2.0	0.46	2	11/06/18 13:32	
Bromomethane	2.0 U	2.0	1.4	2	11/06/18 13:32	
1,1-Dichloroethene	1.3 J	2.0	0.56	2	11/06/18 13:32	
Acetone	10 U	10	4.2	2	11/06/18 13:32	
Carbon Disulfide	0.85 J	2.0	0.62	2	11/06/18 13:32	
Methylene Chloride	2.0 U	2.0	0.94	2	11/06/18 13:32	
trans-1,2-Dichloroethene	2.4	2.0	0.52	2	11/06/18 13:32	
1,1-Dichloroethane	20	2.0	0.40	2	11/06/18 13:32	
cis-1,2-Dichloroethene	110	2.0	0.52	2	11/06/18 13:32	
2-Butanone (MEK)	10 U	10	1.6	2	11/06/18 13:32	
Chloroform	2.0 U	2.0	0.56	2	11/06/18 13:32	
1,1,1-Trichloroethane	72	2.0	0.50	2	11/06/18 13:32	
Carbon Tetrachloride	2.0 U	2.0	0.68	2	11/06/18 13:32	
Benzene	2.0 U	2.0	0.40	2	11/06/18 13:32	
1,2-Dichloroethane	2.0 U	2.0	0.40	2	11/06/18 13:32	
Trichloroethene	5.1	2.0	0.40	2	11/06/18 13:32	
1,2-Dichloropropane	2.0 U	2.0	0.42	2	11/06/18 13:32	
Bromodichloromethane	2.0 U	2.0	0.62	2	11/06/18 13:32	
cis-1,3-Dichloropropene	2.0 U	2.0	0.60	2	11/06/18 13:32	
4-Methyl-2-pentanone (MIBK)	10 U	10	0.58	2	11/06/18 13:32	
Toluene	2.0 U	2.0	0.40	2	11/06/18 13:32	
trans-1,3-Dichloropropene	2.0 U	2.0	0.60	2	11/06/18 13:32	
1,1,2-Trichloroethane	2.0 U	2.0	0.50	2	11/06/18 13:32	
Tetrachloroethene	2.0 U	2.0	0.56	2	11/06/18 13:32	
2-Hexanone	10 U	10	0.68	2	11/06/18 13:32	
Dibromochloromethane	2.0 U	2.0	0.40	2	11/06/18 13:32	
Chlorobenzene	2.0 U	2.0	0.40	2	11/06/18 13:32	
Ethylbenzene	2.0 U	2.0	0.40	2	11/06/18 13:32	
m,p-Xylenes	4.0 U	4.0	0.42	2	11/06/18 13:32	
o-Xylene	2.0 U	2.0	0.40	2	11/06/18 13:32	
Styrene	2.0 U	2.0	0.40	2	11/06/18 13:32	
Bromoform	2.0 U	2.0	0.72	2	11/06/18 13:32	
1,1,2,2-Tetrachloroethane	2.0 U	2.0	0.40	2	11/06/18 13:32	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 13:15
Date Received: 10/31/18 15:40

Sample Name: BAT-87-17(1)-181031
Lab Code: R1810579-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	11/06/18 13:32	
Toluene-d8	109	87 - 121	11/06/18 13:32	
Dibromofluoromethane	109	89 - 119	11/06/18 13:32	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: Trip Blank 1
Lab Code: R1810579-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 12:49	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 12:49	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 12:49	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 12:49	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 12:49	
Acetone	2.5 J	5.0	2.1	1	11/06/18 12:49	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 12:49	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 12:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 12:49	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 12:49	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 12:49	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 12:49	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 12:49	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 12:49	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 12:49	
Benzene	1.0 U	1.0	0.20	1	11/06/18 12:49	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 12:49	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 12:49	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 12:49	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 12:49	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 12:49	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 12:49	
Toluene	1.0 U	1.0	0.20	1	11/06/18 12:49	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 12:49	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 12:49	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 12:49	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 12:49	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 12:49	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 12:49	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 12:49	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 12:49	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 12:49	
Styrene	1.0 U	1.0	0.20	1	11/06/18 12:49	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 12:49	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 12:49	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: Trip Blank 1
Lab Code: R1810579-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	11/06/18 12:49	
Toluene-d8	110	87 - 121	11/06/18 12:49	
Dibromofluoromethane	111	89 - 119	11/06/18 12:49	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: Trip Blank 2
Lab Code: R1810579-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 13:11	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 13:11	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 13:11	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 13:11	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 13:11	
Acetone	2.7 J	5.0	2.1	1	11/06/18 13:11	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 13:11	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 13:11	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 13:11	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 13:11	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 13:11	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 13:11	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 13:11	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 13:11	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 13:11	
Benzene	1.0 U	1.0	0.20	1	11/06/18 13:11	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 13:11	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 13:11	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 13:11	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 13:11	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 13:11	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 13:11	
Toluene	1.0 U	1.0	0.20	1	11/06/18 13:11	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 13:11	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 13:11	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 13:11	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 13:11	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 13:11	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 13:11	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 13:11	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 13:11	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 13:11	
Styrene	1.0 U	1.0	0.20	1	11/06/18 13:11	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 13:11	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 13:11	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: Trip Blank 2
Lab Code: R1810579-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/06/18 13:11	
Toluene-d8	102	87 - 121	11/06/18 13:11	
Dibromofluoromethane	102	89 - 119	11/06/18 13:11	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Toluene-d8	Dibromofluoromethane
		85-122	87-121	89-119
BAT-EW-7-181031	R1810579-001	98	104	98
BAT-EW-13-181031	R1810579-002	101	101	107
BAT-EW-8-181031	R1810579-003	98	100	103
BAT-DW-12-181031	R1810579-004	99	104	102
BAT-DW-11-181031	R1810579-005	100	105	99
BAT-87-10(0)-181031	R1810579-006	97	97	97
BAT-89-15(1)-181031	R1810579-007	105	106	103
BAT-DW-10-181031	R1810579-008	98	102	104
BAT-87-13(3)-181031	R1810579-009	100	103	99
BAT-87-14(0)-181031	R1810579-010	99	102	99
BAT-87-08(1)-181031	R1810579-011	100	105	106
BAT-DUP-2-181031	R1810579-012	93	101	102
BAT-DW-9-181031	R1810579-013	100	103	101
BAT-B-8(0)-181031	R1810579-014	97	102	102
BAT-87-17(1)-181031	R1810579-015	103	109	109
Trip Blank 1	R1810579-016	104	110	111
Trip Blank 2	R1810579-017	97	102	102
Method Blank	RQ1812179-04	99	95	101
Method Blank	RQ1812324-04	98	101	101
Method Blank	RQ1812337-04	97	100	100
Lab Control Sample	RQ1812179-03	92	102	106
Lab Control Sample	RQ1812324-03	103	102	105
Lab Control Sample	RQ1812337-03	103	103	104
BAT-87-17(1)-181031 MS	RQ1812179-05	102	107	105
BAT-87-17(1)-181031 DMS	RQ1812179-06	113	114	106

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18
Date Analyzed: 11/6/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: BAT-87-17(1)-181031
Lab Code: R1810579-015
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1812179-05				Duplicate Matrix Spike RQ1812179-06				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Chloromethane	2.0 U	110	100	110	108	100	108	55-160	2	30
Vinyl Chloride	260	359	100	99	343	100	82	74-159	5	30
Chloroethane	2.0 U	115	100	115	75.3	100	75	48-146	42*	30
Bromomethane	2.0 U	48.4	100	48	45.4	100	45	10-184	6	30
1,1-Dichloroethene	1.3 J	106	100	104	101	100	99	71-118	5	30
Acetone	10 U	109	100	109	108	100	108	35-183	<1	30
Carbon Disulfide	0.85 J	117	100	116	117	100	116	59-140	<1	30
Methylene Chloride	2.0 U	97.7	100	98	97.6	100	98	73-122	<1	30
trans-1,2-Dichloroethene	2.4	98.1	100	96	96.1	100	94	73-118	2	30
1,1-Dichloroethane	20	141	100	121	137	100	116	74-132	3	30
cis-1,2-Dichloroethene	110	207	100	101	200	100	94	77-127	4	30
2-Butanone (MEK)	10 U	122	100	122	119	100	119	61-137	3	30
Chloroform	2.0 U	107	100	107	101	100	101	75-130	6	30
1,1,1-Trichloroethane	72	186	100	113	178	100	105	74-127	4	30
Carbon Tetrachloride	2.0 U	104	100	104	108	100	108	65-135	3	30
Benzene	2.0 U	105	100	105	104	100	104	76-129	<1	30
1,2-Dichloroethane	2.0 U	106	100	106	109	100	109	68-130	3	30
Trichloroethene	5.1	99.2	100	94	98.1	100	93	74-122	1	30
1,2-Dichloropropane	2.0 U	104	100	104	104	100	104	79-124	<1	30
Bromodichloromethane	2.0 U	116	100	116	109	100	109	78-133	6	30
cis-1,3-Dichloropropene	2.0 U	117	100	117	112	100	112	52-134	5	30
4-Methyl-2-pentanone (MIBK)	10 U	134	100	134	137	100	137	60-141	2	30
Toluene	2.0 U	107	100	107	110	100	110	79-119	2	30
trans-1,3-Dichloropropene	2.0 U	113	100	113	117	100	117	71-133	4	30
1,1,2-Trichloroethane	2.0 U	103	100	103	105	100	105	82-121	2	30
Tetrachloroethene	2.0 U	104	100	104	97.3	100	97	72-125	6	30
2-Hexanone	10 U	129	100	129	120	100	120	56-132	7	30
Dibromochloromethane	2.0 U	99.0	100	99	101	100	101	72-128	2	30
Chlorobenzene	2.0 U	94.5	100	94	94.4	100	94	76-125	<1	30
Ethylbenzene	2.0 U	103	100	103	101	100	101	72-134	2	30
m,p-Xylenes	4.0 U	201	200	100	202	200	101	80-126	<1	30
o-Xylene	2.0 U	99.5	100	100	98.9	100	99	79-123	<1	30
Styrene	2.0 U	107	100	107	103	100	103	74-136	3	30
Bromoform	2.0 U	92.7	100	93	99.3	100	99	58-133	7	30
1,1,2,2-Tetrachloroethane	2.0 U	100	100	100	101	100	101	72-122	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812179-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 12:20	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 12:20	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 12:20	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 12:20	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 12:20	
Acetone	5.0 U	5.0	2.1	1	11/06/18 12:20	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 12:20	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 12:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 12:20	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 12:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 12:20	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 12:20	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 12:20	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 12:20	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 12:20	
Benzene	1.0 U	1.0	0.20	1	11/06/18 12:20	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 12:20	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 12:20	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 12:20	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 12:20	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 12:20	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 12:20	
Toluene	1.0 U	1.0	0.20	1	11/06/18 12:20	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 12:20	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 12:20	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 12:20	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 12:20	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 12:20	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 12:20	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 12:20	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 12:20	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 12:20	
Styrene	1.0 U	1.0	0.20	1	11/06/18 12:20	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 12:20	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 12:20	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812179-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	11/06/18 12:20	
Toluene-d8	95	87 - 121	11/06/18 12:20	
Dibromofluoromethane	101	89 - 119	11/06/18 12:20	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812324-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/08/18 23:32	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/08/18 23:32	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 23:32	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 23:32	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/08/18 23:32	
Acetone	5.0 U	5.0	2.1	1	11/08/18 23:32	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/08/18 23:32	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 23:32	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 23:32	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 23:32	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 23:32	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 23:32	
Chloroform	1.0 U	1.0	0.28	1	11/08/18 23:32	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 23:32	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 23:32	
Benzene	1.0 U	1.0	0.20	1	11/08/18 23:32	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 23:32	
Trichloroethene	1.0 U	1.0	0.20	1	11/08/18 23:32	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 23:32	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 23:32	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 23:32	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 23:32	
Toluene	1.0 U	1.0	0.20	1	11/08/18 23:32	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 23:32	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 23:32	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 23:32	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 23:32	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 23:32	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 23:32	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 23:32	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 23:32	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 23:32	
Styrene	1.0 U	1.0	0.20	1	11/08/18 23:32	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 23:32	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 23:32	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812324-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	11/08/18 23:32	
Toluene-d8	101	87 - 121	11/08/18 23:32	
Dibromofluoromethane	101	89 - 119	11/08/18 23:32	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812337-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 11:09	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 11:09	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 11:09	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 11:09	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 11:09	
Acetone	5.0 U	5.0	2.1	1	11/09/18 11:09	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 11:09	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 11:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 11:09	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 11:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 11:09	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 11:09	
Chloroform	1.0 U	1.0	0.28	1	11/09/18 11:09	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 11:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 11:09	
Benzene	1.0 U	1.0	0.20	1	11/09/18 11:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 11:09	
Trichloroethene	1.0 U	1.0	0.20	1	11/09/18 11:09	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 11:09	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 11:09	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 11:09	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 11:09	
Toluene	1.0 U	1.0	0.20	1	11/09/18 11:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 11:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 11:09	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 11:09	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 11:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 11:09	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 11:09	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 11:09	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 11:09	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 11:09	
Styrene	1.0 U	1.0	0.20	1	11/09/18 11:09	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 11:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 11:09	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812337-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/09/18 11:09	
Toluene-d8	100	87 - 121	11/09/18 11:09	
Dibromofluoromethane	100	89 - 119	11/09/18 11:09	

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/06/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812179-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	21.1	20.0	105	65-135
Vinyl Chloride	8260C	18.8	20.0	94	74-159
Chloroethane	8260C	13.6	20.0	68	62-131
Bromomethane	8260C	11.8	20.0	59	42-166
1,1-Dichloroethene	8260C	18.0	20.0	90	71-118
Acetone	8260C	16.1	20.0	81	40-161
Carbon Disulfide	8260C	18.4	20.0	92	66-128
Methylene Chloride	8260C	17.5	20.0	88	73-122
trans-1,2-Dichloroethene	8260C	17.8	20.0	89	73-118
1,1-Dichloroethane	8260C	21.7	20.0	108	80-124
cis-1,2-Dichloroethene	8260C	18.5	20.0	93	80-121
2-Butanone (MEK)	8260C	22.4	20.0	112	61-137
Chloroform	8260C	20.2	20.0	101	79-120
1,1,1-Trichloroethane	8260C	20.5	20.0	103	75-125
Carbon Tetrachloride	8260C	18.7	20.0	94	70-127
Benzene	8260C	20.5	20.0	102	79-119
1,2-Dichloroethane	8260C	21.8	20.0	109	71-127
Trichloroethene	8260C	19.3	20.0	97	74-122
1,2-Dichloropropane	8260C	20.0	20.0	100	80-119
Bromodichloromethane	8260C	20.9	20.0	104	81-123
cis-1,3-Dichloropropene	8260C	20.3	20.0	101	77-122
4-Methyl-2-pentanone (MIBK)	8260C	21.0	20.0	105	66-124
Toluene	8260C	19.8	20.0	99	79-119
trans-1,3-Dichloropropene	8260C	20.2	20.0	101	71-133
1,1,2-Trichloroethane	8260C	19.1	20.0	96	82-121
Tetrachloroethene	8260C	19.5	20.0	98	72-125
2-Hexanone	8260C	19.6	20.0	98	63-124
Dibromochloromethane	8260C	18.3	20.0	92	72-128
Chlorobenzene	8260C	18.4	20.0	92	80-121
Ethylbenzene	8260C	19.2	20.0	96	76-120
m,p-Xylenes	8260C	38.6	40.0	96	80-126
o-Xylene	8260C	18.0	20.0	90	79-123
Styrene	8260C	18.7	20.0	94	80-124

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/06/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812179-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	18.6	20.0	93	65-146
1,1,2,2-Tetrachloroethane	8260C	18.3	20.0	91	78-126

ALS Group USA, Corp.
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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812324-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	21.8	20.0	109	65-135
Vinyl Chloride	8260C	19.5	20.0	97	74-159
Chloroethane	8260C	14.1	20.0	71	62-131
Bromomethane	8260C	14.6	20.0	73	42-166
1,1-Dichloroethene	8260C	19.1	20.0	96	71-118
Acetone	8260C	20.0	20.0	100	40-161
Carbon Disulfide	8260C	20.4	20.0	102	66-128
Methylene Chloride	8260C	20.3	20.0	102	73-122
trans-1,2-Dichloroethene	8260C	20.4	20.0	102	73-118
1,1-Dichloroethane	8260C	23.0	20.0	115	80-124
cis-1,2-Dichloroethene	8260C	19.0	20.0	95	80-121
2-Butanone (MEK)	8260C	26.1	20.0	131	61-137
Chloroform	8260C	21.0	20.0	105	79-120
1,1,1-Trichloroethane	8260C	20.6	20.0	103	75-125
Carbon Tetrachloride	8260C	17.7	20.0	88	70-127
Benzene	8260C	20.1	20.0	101	79-119
1,2-Dichloroethane	8260C	22.0	20.0	110	71-127
Trichloroethene	8260C	17.7	20.0	89	74-122
1,2-Dichloropropane	8260C	20.6	20.0	103	80-119
Bromodichloromethane	8260C	20.9	20.0	104	81-123
cis-1,3-Dichloropropene	8260C	20.2	20.0	101	77-122
4-Methyl-2-pentanone (MIBK)	8260C	24.5	20.0	123	66-124
Toluene	8260C	19.2	20.0	96	79-119
trans-1,3-Dichloropropene	8260C	20.1	20.0	101	71-133
1,1,2-Trichloroethane	8260C	19.1	20.0	95	82-121
Tetrachloroethene	8260C	17.8	20.0	89	72-125
2-Hexanone	8260C	23.4	20.0	117	63-124
Dibromochloromethane	8260C	17.9	20.0	90	72-128
Chlorobenzene	8260C	18.0	20.0	90	80-121
Ethylbenzene	8260C	18.5	20.0	92	76-120
m,p-Xylenes	8260C	38.5	40.0	96	80-126
o-Xylene	8260C	18.1	20.0	90	79-123
Styrene	8260C	19.7	20.0	99	80-124

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1812324-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	19.1	20.0	95	65-146
1,1,2,2-Tetrachloroethane	8260C	20.3	20.0	102	78-126

ALS Group USA, Corp.
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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/09/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812337-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	20.0	20.0	100	65-135
Vinyl Chloride	8260C	19.0	20.0	95	74-159
Chloroethane	8260C	13.2	20.0	66	62-131
Bromomethane	8260C	13.9	20.0	70	42-166
1,1-Dichloroethene	8260C	19.4	20.0	97	71-118
Acetone	8260C	15.8	20.0	79	40-161
Carbon Disulfide	8260C	20.5	20.0	102	66-128
Methylene Chloride	8260C	19.4	20.0	97	73-122
trans-1,2-Dichloroethene	8260C	18.7	20.0	93	73-118
1,1-Dichloroethane	8260C	22.2	20.0	111	80-124
cis-1,2-Dichloroethene	8260C	18.8	20.0	94	80-121
2-Butanone (MEK)	8260C	22.0	20.0	110	61-137
Chloroform	8260C	20.3	20.0	101	79-120
1,1,1-Trichloroethane	8260C	20.1	20.0	101	75-125
Carbon Tetrachloride	8260C	18.0	20.0	90	70-127
Benzene	8260C	19.7	20.0	98	79-119
1,2-Dichloroethane	8260C	21.6	20.0	108	71-127
Trichloroethene	8260C	18.1	20.0	91	74-122
1,2-Dichloropropane	8260C	20.0	20.0	100	80-119
Bromodichloromethane	8260C	20.5	20.0	102	81-123
cis-1,3-Dichloropropene	8260C	20.6	20.0	103	77-122
4-Methyl-2-pentanone (MIBK)	8260C	21.3	20.0	106	66-124
Toluene	8260C	19.2	20.0	96	79-119
trans-1,3-Dichloropropene	8260C	20.5	20.0	102	71-133
1,1,2-Trichloroethane	8260C	18.9	20.0	94	82-121
Tetrachloroethene	8260C	18.7	20.0	93	72-125
2-Hexanone	8260C	20.3	20.0	101	63-124
Dibromochloromethane	8260C	18.3	20.0	92	72-128
Chlorobenzene	8260C	17.9	20.0	90	80-121
Ethylbenzene	8260C	18.4	20.0	92	76-120
m,p-Xylenes	8260C	37.7	40.0	94	80-126
o-Xylene	8260C	17.8	20.0	89	79-123
Styrene	8260C	18.9	20.0	95	80-124

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/09/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812337-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	18.6	20.0	93	65-146
1,1,2,2-Tetrachloroethane	8260C	19.2	20.0	96	78-126



November 12, 2018

Service Request No:R1810578

Ms. Cecelia Byers
APTIM, Inc
2790 Mosside Boulevard
Monroeville, PA 15146

Laboratory Results for: Textron Wheatfield Annual

Dear Ms.Byers,

Enclosed are the results of the sample(s) submitted to our laboratory October 31, 2018
For your reference, these analyses have been assigned our service request number **R1810578**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Lisa
Schermerhorn

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: APTIM, Inc
Project: Textron Wheatfield Annual
Sample Matrix: Water

Service Request: R1810578
Date Received: 10/31/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Nineteen water samples were received for analysis at ALS Environmental on 10/31/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Volatiles by GC/MS:

Method 8260C, 11/08/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

A handwritten signature in black ink, appearing to read "Jamaica".

Approved by _____

Date 11/12/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-02 (1)-181030	Lab ID: R1810578-001

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	35		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.31	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	1.1		0.31	1.0	ug/L	8260C
Methylene Chloride	21		0.47	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.93	J	0.26	1.0	ug/L	8260C
1,1-Dichloroethane	6.5		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	49		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	12		0.25	1.0	ug/L	8260C
Trichloroethene	39		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-87-02(3)-181030	Lab ID: R1810578-002

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	2.5	J	2.1	5.0	ug/L	8260C
Carbon Disulfide	3.4		0.31	1.0	ug/L	8260C

CLIENT ID: BAT-87-01(1)-181030	Lab ID: R1810578-003

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	160		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.73	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	12		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	7.3		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	13		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	190		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	20		0.25	1.0	ug/L	8260C
Trichloroethene	4.1		0.20	1.0	ug/L	8260C
Toluene	0.30	J	0.20	1.0	ug/L	8260C
o-Xylene	0.23	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-EW-6-181030	Lab ID: R1810578-004

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloromethane	0.33	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	0.47	J	0.31	1.0	ug/L	8260C
1,1-Dichloroethane	0.55	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	2.1		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.39	J	0.25	1.0	ug/L	8260C
Trichloroethene	0.42	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-93-03(1)-181030	Lab ID: R1810578-005

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	0.82	J	0.31	1.0	ug/L	8260C

CLIENT ID: BAT-EW-5-181030	Lab ID: R1810578-006

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	72		0.22	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-5-181030	Lab ID: R1810578-006

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	1.1		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.99	J	0.26	1.0	ug/L	8260C
1,1-Dichloroethane	2.0		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	19		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.1		0.25	1.0	ug/L	8260C
Trichloroethene	0.62	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-EW-4-181030	Lab ID: R1810578-007

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	63		0.22	1.0	ug/L	8260C
Carbon Disulfide	1.9		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.7		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	1.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	34		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.93	J	0.25	1.0	ug/L	8260C
Trichloroethene	0.72	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-EW-3-181030	Lab ID: R1810578-008

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	650	D	1.1	5.0	ug/L	8260C
1,1-Dichloroethene	0.83	J	0.70	2.5	ug/L	8260C
Carbon Disulfide	5.5		0.78	2.5	ug/L	8260C
trans-1,2-Dichloroethene	5.2		0.65	2.5	ug/L	8260C
1,1-Dichloroethane	10		0.50	2.5	ug/L	8260C
cis-1,2-Dichloroethene	120		0.65	2.5	ug/L	8260C
1,1,1-Trichloroethane	12		0.63	2.5	ug/L	8260C
Trichloroethene	4.0		0.50	2.5	ug/L	8260C

CLIENT ID: BAT-EW-2-181030	Lab ID: R1810578-009

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	170		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.28	J	0.28	1.0	ug/L	8260C
trans-1,2-Dichloroethene	2.1		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	4.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	55		0.26	1.0	ug/L	8260C
Chloroform	1.2		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	3.9		0.25	1.0	ug/L	8260C
Trichloroethene	5.1		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DUP-1-181030	Lab ID: R1810578-010

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	750		2.2	10	ug/L	8260C
1,1-Dichloroethene	7.2	J	2.8	10	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-DUP-1-181030	Lab ID: R1810578-010

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	20		3.1	10	ug/L	8260C
trans-1,2-Dichloroethene	7.4	J	2.6	10	ug/L	8260C
1,1-Dichloroethane	9.1	J	2.0	10	ug/L	8260C
cis-1,2-Dichloroethene	2300	D	5.2	20	ug/L	8260C
1,1,1-Trichloroethane	13		2.5	10	ug/L	8260C
Trichloroethene	26		2.0	10	ug/L	8260C

CLIENT ID: BAT-87-20(0)-181030	Lab ID: R1810578-011

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	0.79	J	0.31	1.0	ug/L	8260C

CLIENT ID: BAT-87-20(1)-181030	Lab ID: R1810578-012

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	730		2.2	10	ug/L	8260C
1,1-Dichloroethene	7.6	J	2.8	10	ug/L	8260C
Carbon Disulfide	18		3.1	10	ug/L	8260C
trans-1,2-Dichloroethene	7.7	J	2.6	10	ug/L	8260C
1,1-Dichloroethane	11		2.0	10	ug/L	8260C
cis-1,2-Dichloroethene	2300	D	5.2	20	ug/L	8260C
1,1,1-Trichloroethane	14		2.5	10	ug/L	8260C
Trichloroethene	28		2.0	10	ug/L	8260C

CLIENT ID: BAT-89-04(1)-181030	Lab ID: R1810578-013

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	0.40	J	0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.49	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	9.9		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.41	J	0.26	1.0	ug/L	8260C
cis-1,2-Dichloroethene	2.0		0.26	1.0	ug/L	8260C
Trichloroethene	1.3		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-87-22(1)-181030	Lab ID: R1810578-014

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	1700		4.4	20	ug/L	8260C
1,1-Dichloroethene	9.0	J	5.6	20	ug/L	8260C
Carbon Disulfide	26		6.2	20	ug/L	8260C
trans-1,2-Dichloroethene	17	J	5.2	20	ug/L	8260C
1,1-Dichloroethane	11	J	4.0	20	ug/L	8260C
cis-1,2-Dichloroethene	3300		5.2	20	ug/L	8260C
Trichloroethene	20	J	4.0	20	ug/L	8260C

CLIENT ID: BAT-87-19(1)-181030	Lab ID: R1810578-015

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	3.5		0.22	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-19(1)-181030	Lab ID: R1810578-015

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	1.6		0.31	1.0	ug/L	8260C
cis-1,2-Dichloroethene	5.3		0.26	1.0	ug/L	8260C

CLIENT ID: BAT-87-21(1)-181030	Lab ID: R1810578-016

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	1.3		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.34	J	0.26	1.0	ug/L	8260C
1,1-Dichloroethane	1.6		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	5.7		0.26	1.0	ug/L	8260C
Chloroform	1.4		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.7		0.25	1.0	ug/L	8260C
Trichloroethene	3.5		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-89-14(1)-181030	Lab ID: R1810578-017

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloromethane	0.30	J	0.28	1.0	ug/L	8260C
Vinyl Chloride	140		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.41	J	0.28	1.0	ug/L	8260C
Carbon Disulfide	1.8		0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.3		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	11		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	49		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.46	J	0.25	1.0	ug/L	8260C
Trichloroethene	0.96	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-B-14(1)-181030	Lab ID: R1810578-019

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	170		0.44	2.0	ug/L	8260C
1,1-Dichloroethene	0.80	J	0.56	2.0	ug/L	8260C
Carbon Disulfide	2.5		0.62	2.0	ug/L	8260C
trans-1,2-Dichloroethene	1.8	J	0.52	2.0	ug/L	8260C
1,1-Dichloroethane	14		0.40	2.0	ug/L	8260C
cis-1,2-Dichloroethene	140		0.52	2.0	ug/L	8260C
1,1,1-Trichloroethane	41		0.50	2.0	ug/L	8260C
Trichloroethene	1.2	J	0.40	2.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request:R1810578

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1810578-001	BAT-87-02 (1)-181030	10/30/2018	1000
R1810578-002	BAT-87-02(3)-181030	10/30/2018	1005
R1810578-003	BAT-87-01(1)-181030	10/30/2018	1030
R1810578-004	BAT-EW-6-181030	10/30/2018	1055
R1810578-005	BAT-93-03(1)-181030	10/30/2018	1115
R1810578-006	BAT-EW-5-181030	10/30/2018	1150
R1810578-007	BAT-EW-4-181030	10/30/2018	1225
R1810578-008	BAT-EW-3-181030	10/30/2018	1240
R1810578-009	BAT-EW-2-181030	10/30/2018	1305
R1810578-010	BAT-DUP-1-181030	10/30/2018	
R1810578-011	BAT-87-20(0)-181030	10/30/2018	1435
R1810578-012	BAT-87-20(1)-181030	10/30/2018	1440
R1810578-013	BAT-89-04(1)-181030	10/30/2018	1520
R1810578-014	BAT-87-22(1)-181030	10/30/2018	1545
R1810578-015	BAT-87-19(1)-181030	10/30/2018	1610
R1810578-016	BAT-87-21(1)-181030	10/30/2018	1640
R1810578-017	BAT-89-14(1)-181030	10/30/2018	1700
R1810578-018	BAT-89-14(0)-181030	10/30/2018	1705
R1810578-019	BAT-B-14(1)-181030	10/30/2018	1735



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48379

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name TEXTRON ANNUAL		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																			
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE 1																																			
Company/Address APTIM, INC 500 PENN CENTER BLVD. SUITE 1000 PITTSBURGH, PA 15235		Email CECELIA.BYERS@APTIM.COM		Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION																																			
Phone # 412-858-3977		Sample's Printed Name KEVIN CROWIN																																					
Sample's Signature <i>Kevin Crowin</i>		Sample's Printed Name KEVIN CROWIN																																					
CLIENT SAMPLE ID		FOR OFFICE USE - ONLY LAB ID		SAMPLING DATE		TIME		MATRIX																															
BAT-87-02(1)-181030				10/30/18		1000		GW		3 X																													
BAT-87-02(3)-181030						1005																																	
BAT-87-01(1)-181030						1030																																	
BAT-87-01(1)-181030		3 vials 513 bottle				1055																																	
BAT-87-03(1)-181030		2 vials 513 bottle				1115																																	
BAT-EW-5-181030						1150																																	
BAT-EW-4-181030		2 vials 513 bottle				1225		↓																															
BAT-EW-4-181030 MS/MSD		↓				1225		6																															
BAT-EW-3-181030		3 vials 513 bottle				1240		3																															
BAT-EW-2-181030						1305		↓																															
BAT-DUP-1-181030				↓		—		↓		↓																													
SPECIAL INSTRUCTIONS/COMMENTS Metals										TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day ____ STANDARD REQUESTED REPORT DATE _____										REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata ____ Yes ____ No										INVOICE INFORMATION PO # 206759 BILL TO:									
										STATE WHERE SAMPLES WERE COLLECTED																													
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY																					
Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>		Signature <i>Kevin Crowin</i>																					
Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN		Printed Name KEVIN CROWIN																					
Firm APTIM		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS																					
Date/Time 10/31/18 1330		Date/Time 10/31/18 1330		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18		Date/Time 10/31/18																					

R1810578

APTIM, Inc
Texttron Wheatfield Annual

5



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48378

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE

2 OF 2

Project Name Texton Annual		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE 1																			
Company/Address APTIM, INC.		Email CECELIA.BYERS@APTIM.COM		NUMBER OF CONTAINERS GC/MS VOAs • 8250 • 824 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8089 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION																			
500 PENN CENTER BLVD. SUITE 1000 PITTSBURGH, PA 15235		Phone # 412-858-3977																					
Sampler's Signature Kevin Cronin		Sampler's Printed Name KEVIN CRONIN																					
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX																		
BAT-87-20(0)181030		10/30/18		1435	GW	3	X																
BAT-87-20(1)181030				1440																			
BAT-89-04(1)181030	2 vials, 181030			1520																			
BAT-87-22(1)181030	2 vials			1545																			
BAT-87-19(1)181030				1610																			
BAT-87-21(1)181030				1640																			
BAT-89-14(1)181030				1700																			
BAT-89-14(0)181030				1705																			
BAT-B-14(1)181030		V		1735	V	V	V																
SPECIAL INSTRUCTIONS/COMMENTS Metals						TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day STANDARD REQUESTED REPORT DATE						REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No						INVOICE INFORMATION PO # 208759 BILL TO:					
See QAPP ☐																							
STATE WHERE SAMPLES WERE COLLECTED																							
RELINQUISHED BY				RECEIVED BY				RELINQUISHED BY				RECEIVED BY				RELINQUISHED BY				RECEIVED BY			
Signature Kevin Cronin				Signature Kevin Cronin				Signature Kevin Cronin				Signature Kevin Cronin				Signature				Signature			
Printed Name KEVIN CRONIN				Printed Name KEVIN CRONIN				Printed Name KEVIN CRONIN				Printed Name KEVIN CRONIN				Printed Name				Printed Name			
Firm APTIM				Firm ALS				Firm ALS				Firm ALS				Firm				Firm			
Date/Time 10/31/18 1330				Date/Time 10/31/18 1330				Date/Time 10/31/18 1330				Date/Time 10/31/18 1330				Date/Time 10/31/18 1540				Date/Time			

R1810578
APTIM, Inc.
Texton Wheatfield Annual

5



Cooler Receipt and Preservation Check Form

R1810578

5

APTIM, Inc.
Textron Wheatfield AnnualProject/Client Textron / APTIM Folder Number _____Cooler received on 10/31/18 by: VSCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>(N)</u>
2	Custody papers properly completed (ink, signed)?	Y <u>(N)</u>
3	Did all bottles arrive in good condition (unbroken)?	Y <u>(N)</u>
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <u>(N)</u>

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <u>(N)</u> NA *
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as:	Bulk Encore 5035set <u>(NA)</u>

8. Temperature Readings Date: 10/31/18 Time: 16:20 ID: (IR#7) IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.1</u>	<u>3.8</u>	<u>4.5</u>				
Correction Factor (°C)	<u>+1.0</u>	<u>+1.0</u>	<u>+1.3</u>				
Corrected Temp (°C)	<u>5.1</u>	<u>4.8</u>	<u>4.8</u>				
Temp from: Type of bottle	<u>cond tube</u>	<u>cond tube</u>	<u>VOA Vial</u>				
Within 0-6°C?	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y <u>(N)</u>	Y <u>(N)</u>	Y <u>(N)</u>	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by VS on 10/31/18 at 16:20
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 11/1/18 Time: 13:14 by: SPW

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO NA
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated NA

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH	Yes	No						
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**	<u>4117090</u>	<u>10/11</u>	**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			

Bottle lot numbers: 8-206-001

Explain all Discrepancies/ Other Comments:

* See LOC

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: SPWPC Secondary Review: SPW 11/1/18 *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810578

Sample Name: BAT-87-02 (1)-181030
Lab Code: R1810578-001
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-02(3)-181030
Lab Code: R1810578-002
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-01(1)-181030
Lab Code: R1810578-003
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-6-181030
Lab Code: R1810578-004
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-93-03(1)-181030
Lab Code: R1810578-005
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810578

Sample Name: BAT-EW-5-181030
Lab Code: R1810578-006
Sample Matrix: Water

Date Collected: 10/30/18**Date Received:** 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-4-181030
Lab Code: R1810578-007
Sample Matrix: Water

Date Collected: 10/30/18**Date Received:** 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-3-181030
Lab Code: R1810578-008
Sample Matrix: Water

Date Collected: 10/30/18**Date Received:** 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-EW-2-181030
Lab Code: R1810578-009
Sample Matrix: Water

Date Collected: 10/30/18**Date Received:** 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-DUP-1-181030
Lab Code: R1810578-010
Sample Matrix: Water

Date Collected: 10/30/18**Date Received:** 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810578

Sample Name: BAT-87-20(0)-181030
Lab Code: R1810578-011
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-20(1)-181030
Lab Code: R1810578-012
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-89-04(1)-181030
Lab Code: R1810578-013
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-22(1)-181030
Lab Code: R1810578-014
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-87-19(1)-181030
Lab Code: R1810578-015
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810578

Sample Name: BAT-87-21(1)-181030
Lab Code: R1810578-016
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-89-14(1)-181030
Lab Code: R1810578-017
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-89-14(0)-181030
Lab Code: R1810578-018
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: BAT-B-14(1)-181030
Lab Code: R1810578-019
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:00
Date Received: 10/31/18 15:40

Sample Name: BAT-87-02 (1)-181030
Lab Code: R1810578-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 18:40	
Vinyl Chloride	35	1.0	0.22	1	11/05/18 18:40	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 18:40	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 18:40	
1,1-Dichloroethene	0.31 J	1.0	0.28	1	11/05/18 18:40	
Acetone	5.0 U	5.0	2.1	1	11/05/18 18:40	
Carbon Disulfide	1.1	1.0	0.31	1	11/05/18 18:40	
Methylene Chloride	21	1.0	0.47	1	11/05/18 18:40	
trans-1,2-Dichloroethene	0.93 J	1.0	0.26	1	11/05/18 18:40	
1,1-Dichloroethane	6.5	1.0	0.20	1	11/05/18 18:40	
cis-1,2-Dichloroethene	49	1.0	0.26	1	11/05/18 18:40	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 18:40	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 18:40	
1,1,1-Trichloroethane	12	1.0	0.25	1	11/05/18 18:40	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 18:40	
Benzene	1.0 U	1.0	0.20	1	11/05/18 18:40	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 18:40	
Trichloroethene	39	1.0	0.20	1	11/05/18 18:40	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 18:40	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 18:40	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 18:40	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 18:40	
Toluene	1.0 U	1.0	0.20	1	11/05/18 18:40	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 18:40	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 18:40	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 18:40	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 18:40	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 18:40	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 18:40	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 18:40	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 18:40	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 18:40	
Styrene	1.0 U	1.0	0.20	1	11/05/18 18:40	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 18:40	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 18:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:00
Date Received: 10/31/18 15:40

Sample Name: BAT-87-02 (1)-181030
Lab Code: R1810578-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/05/18 18:40	
Toluene-d8	93	87 - 121	11/05/18 18:40	
Dibromofluoromethane	98	89 - 119	11/05/18 18:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:05
Date Received: 10/31/18 15:40

Sample Name: BAT-87-02(3)-181030
Lab Code: R1810578-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 15:57	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 15:57	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 15:57	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 15:57	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 15:57	
Acetone	2.5 J	5.0	2.1	1	11/06/18 15:57	
Carbon Disulfide	3.4	1.0	0.31	1	11/06/18 15:57	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 15:57	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 15:57	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 15:57	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 15:57	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 15:57	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 15:57	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 15:57	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 15:57	
Benzene	1.0 U	1.0	0.20	1	11/06/18 15:57	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 15:57	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 15:57	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 15:57	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 15:57	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 15:57	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 15:57	
Toluene	1.0 U	1.0	0.20	1	11/06/18 15:57	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 15:57	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 15:57	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 15:57	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 15:57	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 15:57	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 15:57	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 15:57	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 15:57	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 15:57	
Styrene	1.0 U	1.0	0.20	1	11/06/18 15:57	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 15:57	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 15:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:05
Date Received: 10/31/18 15:40

Sample Name: BAT-87-02(3)-181030
Lab Code: R1810578-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	11/06/18 15:57	
Toluene-d8	98	87 - 121	11/06/18 15:57	
Dibromofluoromethane	102	89 - 119	11/06/18 15:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:30
Date Received: 10/31/18 15:40

Sample Name: BAT-87-01(1)-181030
Lab Code: R1810578-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 19:24	
Vinyl Chloride	160	1.0	0.22	1	11/05/18 19:24	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 19:24	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 19:24	
1,1-Dichloroethene	0.73 J	1.0	0.28	1	11/05/18 19:24	
Acetone	5.0 U	5.0	2.1	1	11/05/18 19:24	
Carbon Disulfide	12	1.0	0.31	1	11/05/18 19:24	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 19:24	
trans-1,2-Dichloroethene	7.3	1.0	0.26	1	11/05/18 19:24	
1,1-Dichloroethane	13	1.0	0.20	1	11/05/18 19:24	
cis-1,2-Dichloroethene	190	1.0	0.26	1	11/05/18 19:24	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 19:24	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 19:24	
1,1,1-Trichloroethane	20	1.0	0.25	1	11/05/18 19:24	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 19:24	
Benzene	1.0 U	1.0	0.20	1	11/05/18 19:24	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 19:24	
Trichloroethene	4.1	1.0	0.20	1	11/05/18 19:24	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 19:24	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 19:24	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 19:24	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 19:24	
Toluene	0.30 J	1.0	0.20	1	11/05/18 19:24	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 19:24	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 19:24	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 19:24	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 19:24	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 19:24	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 19:24	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 19:24	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 19:24	
o-Xylene	0.23 J	1.0	0.20	1	11/05/18 19:24	
Styrene	1.0 U	1.0	0.20	1	11/05/18 19:24	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 19:24	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 19:24	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:30
Date Received: 10/31/18 15:40

Sample Name: BAT-87-01(1)-181030
Lab Code: R1810578-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	11/05/18 19:24	
Toluene-d8	91	87 - 121	11/05/18 19:24	
Dibromofluoromethane	94	89 - 119	11/05/18 19:24	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:55
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-6-181030
Lab Code: R1810578-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	0.33 J	1.0	0.28	1	11/05/18 18:19	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/05/18 18:19	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 18:19	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 18:19	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 18:19	
Acetone	5.0 U	5.0	2.1	1	11/05/18 18:19	
Carbon Disulfide	0.47 J	1.0	0.31	1	11/05/18 18:19	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 18:19	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 18:19	
1,1-Dichloroethane	0.55 J	1.0	0.20	1	11/05/18 18:19	
cis-1,2-Dichloroethene	2.1	1.0	0.26	1	11/05/18 18:19	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 18:19	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 18:19	
1,1,1-Trichloroethane	0.39 J	1.0	0.25	1	11/05/18 18:19	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 18:19	
Benzene	1.0 U	1.0	0.20	1	11/05/18 18:19	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 18:19	
Trichloroethene	0.42 J	1.0	0.20	1	11/05/18 18:19	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 18:19	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 18:19	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 18:19	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 18:19	
Toluene	1.0 U	1.0	0.20	1	11/05/18 18:19	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 18:19	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 18:19	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 18:19	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 18:19	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 18:19	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 18:19	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 18:19	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 18:19	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 18:19	
Styrene	1.0 U	1.0	0.20	1	11/05/18 18:19	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 18:19	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 18:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 10:55
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-6-181030
Lab Code: R1810578-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	11/05/18 18:19	
Toluene-d8	92	87 - 121	11/05/18 18:19	
Dibromofluoromethane	94	89 - 119	11/05/18 18:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 11:15
Date Received: 10/31/18 15:40

Sample Name: BAT-93-03(1)-181030
Lab Code: R1810578-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 17:57	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/05/18 17:57	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 17:57	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 17:57	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 17:57	
Acetone	5.0 U	5.0	2.1	1	11/05/18 17:57	
Carbon Disulfide	0.82 J	1.0	0.31	1	11/05/18 17:57	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 17:57	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 17:57	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 17:57	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 17:57	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 17:57	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 17:57	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 17:57	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 17:57	
Benzene	1.0 U	1.0	0.20	1	11/05/18 17:57	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 17:57	
Trichloroethene	1.0 U	1.0	0.20	1	11/05/18 17:57	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 17:57	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 17:57	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 17:57	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 17:57	
Toluene	1.0 U	1.0	0.20	1	11/05/18 17:57	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 17:57	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 17:57	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 17:57	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 17:57	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 17:57	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 17:57	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 17:57	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 17:57	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 17:57	
Styrene	1.0 U	1.0	0.20	1	11/05/18 17:57	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 17:57	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 17:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 11:15
Date Received: 10/31/18 15:40

Sample Name: BAT-93-03(1)-181030
Lab Code: R1810578-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	11/05/18 17:57	
Toluene-d8	92	87 - 121	11/05/18 17:57	
Dibromofluoromethane	94	89 - 119	11/05/18 17:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 11:50
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-5-181030
Lab Code: R1810578-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 19:02	
Vinyl Chloride	72	1.0	0.22	1	11/05/18 19:02	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 19:02	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 19:02	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 19:02	
Acetone	5.0 U	5.0	2.1	1	11/05/18 19:02	
Carbon Disulfide	1.1	1.0	0.31	1	11/05/18 19:02	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 19:02	
trans-1,2-Dichloroethene	0.99 J	1.0	0.26	1	11/05/18 19:02	
1,1-Dichloroethane	2.0	1.0	0.20	1	11/05/18 19:02	
cis-1,2-Dichloroethene	19	1.0	0.26	1	11/05/18 19:02	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 19:02	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 19:02	
1,1,1-Trichloroethane	1.1	1.0	0.25	1	11/05/18 19:02	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 19:02	
Benzene	1.0 U	1.0	0.20	1	11/05/18 19:02	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 19:02	
Trichloroethene	0.62 J	1.0	0.20	1	11/05/18 19:02	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 19:02	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 19:02	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 19:02	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 19:02	
Toluene	1.0 U	1.0	0.20	1	11/05/18 19:02	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 19:02	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 19:02	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 19:02	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 19:02	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 19:02	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 19:02	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 19:02	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 19:02	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 19:02	
Styrene	1.0 U	1.0	0.20	1	11/05/18 19:02	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 19:02	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 19:02	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 11:50
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-5-181030
Lab Code: R1810578-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/05/18 19:02	
Toluene-d8	92	87 - 121	11/05/18 19:02	
Dibromofluoromethane	93	89 - 119	11/05/18 19:02	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 12:25
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-4-181030
Lab Code: R1810578-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 17:13	
Vinyl Chloride	63	1.0	0.22	1	11/05/18 17:13	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 17:13	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 17:13	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 17:13	
Acetone	5.0 U	5.0	2.1	1	11/05/18 17:13	
Carbon Disulfide	1.9	1.0	0.31	1	11/05/18 17:13	
Methylene Chloride	1.0 U	1.0	0.47	1	11/05/18 17:13	
trans-1,2-Dichloroethene	1.7	1.0	0.26	1	11/05/18 17:13	
1,1-Dichloroethane	1.9	1.0	0.20	1	11/05/18 17:13	
cis-1,2-Dichloroethene	34	1.0	0.26	1	11/05/18 17:13	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 17:13	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 17:13	
1,1,1-Trichloroethane	0.93 J	1.0	0.25	1	11/05/18 17:13	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 17:13	
Benzene	1.0 U	1.0	0.20	1	11/05/18 17:13	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 17:13	
Trichloroethene	0.72 J	1.0	0.20	1	11/05/18 17:13	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 17:13	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 17:13	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 17:13	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 17:13	
Toluene	1.0 U	1.0	0.20	1	11/05/18 17:13	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 17:13	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 17:13	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 17:13	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 17:13	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 17:13	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 17:13	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 17:13	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 17:13	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 17:13	
Styrene	1.0 U	1.0	0.20	1	11/05/18 17:13	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 17:13	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 17:13	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 12:25
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-4-181030
Lab Code: R1810578-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/05/18 17:13	
Toluene-d8	94	87 - 121	11/05/18 17:13	
Dibromofluoromethane	96	89 - 119	11/05/18 17:13	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 12:40
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-3-181030
Lab Code: R1810578-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.5 U	2.5	0.70	2.5	11/06/18 17:52	
Vinyl Chloride	650 D	5.0	1.1	5	11/08/18 20:03	
Chloroethane	2.5 U	2.5	0.58	2.5	11/06/18 17:52	
Bromomethane	2.5 U	2.5	1.8	2.5	11/06/18 17:52	
1,1-Dichloroethene	0.83 J	2.5	0.70	2.5	11/06/18 17:52	
Acetone	13 U	13	5.3	2.5	11/06/18 17:52	
Carbon Disulfide	5.5	2.5	0.78	2.5	11/06/18 17:52	
Methylene Chloride	2.5 U	2.5	1.2	2.5	11/06/18 17:52	
trans-1,2-Dichloroethene	5.2	2.5	0.65	2.5	11/06/18 17:52	
1,1-Dichloroethane	10	2.5	0.50	2.5	11/06/18 17:52	
cis-1,2-Dichloroethene	120	2.5	0.65	2.5	11/06/18 17:52	
2-Butanone (MEK)	13 U	13	2.0	2.5	11/06/18 17:52	
Chloroform	2.5 U	2.5	0.70	2.5	11/06/18 17:52	
1,1,1-Trichloroethane	12	2.5	0.63	2.5	11/06/18 17:52	
Carbon Tetrachloride	2.5 U	2.5	0.85	2.5	11/06/18 17:52	
Benzene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
1,2-Dichloroethane	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Trichloroethene	4.0	2.5	0.50	2.5	11/06/18 17:52	
1,2-Dichloropropane	2.5 U	2.5	0.53	2.5	11/06/18 17:52	
Bromodichloromethane	2.5 U	2.5	0.78	2.5	11/06/18 17:52	
cis-1,3-Dichloropropene	2.5 U	2.5	0.75	2.5	11/06/18 17:52	
4-Methyl-2-pentanone (MIBK)	13 U	13	0.73	2.5	11/06/18 17:52	
Toluene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
trans-1,3-Dichloropropene	2.5 U	2.5	0.75	2.5	11/06/18 17:52	
1,1,2-Trichloroethane	2.5 U	2.5	0.63	2.5	11/06/18 17:52	
Tetrachloroethene	2.5 U	2.5	0.70	2.5	11/06/18 17:52	
2-Hexanone	13 U	13	0.85	2.5	11/06/18 17:52	
Dibromochloromethane	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Chlorobenzene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Ethylbenzene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
m,p-Xylenes	5.0 U	5.0	0.53	2.5	11/06/18 17:52	
o-Xylene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Styrene	2.5 U	2.5	0.50	2.5	11/06/18 17:52	
Bromoform	2.5 U	2.5	0.90	2.5	11/06/18 17:52	
1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.50	2.5	11/06/18 17:52	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 12:40
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-3-181030
Lab Code: R1810578-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/06/18 17:52	
Toluene-d8	93	87 - 121	11/06/18 17:52	
Dibromofluoromethane	97	89 - 119	11/06/18 17:52	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 13:05
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-2-181030
Lab Code: R1810578-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/08/18 18:11	
Vinyl Chloride	170	1.0	0.22	1	11/08/18 18:11	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 18:11	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 18:11	
1,1-Dichloroethene	0.28 J	1.0	0.28	1	11/08/18 18:11	
Acetone	5.0 U	5.0	2.1	1	11/08/18 18:11	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/08/18 18:11	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 18:11	
trans-1,2-Dichloroethene	2.1	1.0	0.26	1	11/08/18 18:11	
1,1-Dichloroethane	4.1	1.0	0.20	1	11/08/18 18:11	
cis-1,2-Dichloroethene	55	1.0	0.26	1	11/08/18 18:11	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 18:11	
Chloroform	1.2	1.0	0.28	1	11/08/18 18:11	
1,1,1-Trichloroethane	3.9	1.0	0.25	1	11/08/18 18:11	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 18:11	
Benzene	1.0 U	1.0	0.20	1	11/08/18 18:11	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 18:11	
Trichloroethene	5.1	1.0	0.20	1	11/08/18 18:11	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 18:11	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 18:11	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 18:11	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 18:11	
Toluene	1.0 U	1.0	0.20	1	11/08/18 18:11	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 18:11	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 18:11	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 18:11	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 18:11	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 18:11	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 18:11	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 18:11	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 18:11	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 18:11	
Styrene	1.0 U	1.0	0.20	1	11/08/18 18:11	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 18:11	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 18:11	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 13:05
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-2-181030
Lab Code: R1810578-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/08/18 18:11	
Toluene-d8	94	87 - 121	11/08/18 18:11	
Dibromofluoromethane	98	89 - 119	11/08/18 18:11	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18
Date Received: 10/31/18 15:40

Sample Name: BAT-DUP-1-181030
Lab Code: R1810578-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	10 U	10	2.8	10	11/06/18 19:20	
Vinyl Chloride	750	10	2.2	10	11/06/18 19:20	
Chloroethane	10 U	10	2.3	10	11/06/18 19:20	
Bromomethane	10 U	10	7.0	10	11/06/18 19:20	
1,1-Dichloroethene	7.2 J	10	2.8	10	11/06/18 19:20	
Acetone	50 U	50	21	10	11/06/18 19:20	
Carbon Disulfide	20	10	3.1	10	11/06/18 19:20	
Methylene Chloride	10 U	10	4.7	10	11/06/18 19:20	
trans-1,2-Dichloroethene	7.4 J	10	2.6	10	11/06/18 19:20	
1,1-Dichloroethane	9.1 J	10	2.0	10	11/06/18 19:20	
cis-1,2-Dichloroethene	2300 D	20	5.2	20	11/08/18 19:19	
2-Butanone (MEK)	50 U	50	7.8	10	11/06/18 19:20	
Chloroform	10 U	10	2.8	10	11/06/18 19:20	
1,1,1-Trichloroethane	13	10	2.5	10	11/06/18 19:20	
Carbon Tetrachloride	10 U	10	3.4	10	11/06/18 19:20	
Benzene	10 U	10	2.0	10	11/06/18 19:20	
1,2-Dichloroethane	10 U	10	2.0	10	11/06/18 19:20	
Trichloroethene	26	10	2.0	10	11/06/18 19:20	
1,2-Dichloropropane	10 U	10	2.1	10	11/06/18 19:20	
Bromodichloromethane	10 U	10	3.1	10	11/06/18 19:20	
cis-1,3-Dichloropropene	10 U	10	3.0	10	11/06/18 19:20	
4-Methyl-2-pentanone (MIBK)	50 U	50	2.9	10	11/06/18 19:20	
Toluene	10 U	10	2.0	10	11/06/18 19:20	
trans-1,3-Dichloropropene	10 U	10	3.0	10	11/06/18 19:20	
1,1,2-Trichloroethane	10 U	10	2.5	10	11/06/18 19:20	
Tetrachloroethene	10 U	10	2.8	10	11/06/18 19:20	
2-Hexanone	50 U	50	3.4	10	11/06/18 19:20	
Dibromochloromethane	10 U	10	2.0	10	11/06/18 19:20	
Chlorobenzene	10 U	10	2.0	10	11/06/18 19:20	
Ethylbenzene	10 U	10	2.0	10	11/06/18 19:20	
m,p-Xylenes	20 U	20	2.1	10	11/06/18 19:20	
o-Xylene	10 U	10	2.0	10	11/06/18 19:20	
Styrene	10 U	10	2.0	10	11/06/18 19:20	
Bromoform	10 U	10	3.6	10	11/06/18 19:20	
1,1,2,2-Tetrachloroethane	10 U	10	2.0	10	11/06/18 19:20	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18
Date Received: 10/31/18 15:40

Sample Name: BAT-DUP-1-181030
Lab Code: R1810578-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	11/06/18 19:20	
Toluene-d8	94	87 - 121	11/06/18 19:20	
Dibromofluoromethane	99	89 - 119	11/06/18 19:20	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 14:35
Date Received: 10/31/18 15:40

Sample Name: BAT-87-20(0)-181030
Lab Code: R1810578-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 15:33	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 15:33	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 15:33	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 15:33	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 15:33	
Acetone	5.0 U	5.0	2.1	1	11/06/18 15:33	
Carbon Disulfide	0.79 J	1.0	0.31	1	11/06/18 15:33	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 15:33	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 15:33	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 15:33	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 15:33	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 15:33	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 15:33	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 15:33	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 15:33	
Benzene	1.0 U	1.0	0.20	1	11/06/18 15:33	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 15:33	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 15:33	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 15:33	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 15:33	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 15:33	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 15:33	
Toluene	1.0 U	1.0	0.20	1	11/06/18 15:33	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 15:33	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 15:33	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 15:33	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 15:33	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 15:33	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 15:33	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 15:33	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 15:33	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 15:33	
Styrene	1.0 U	1.0	0.20	1	11/06/18 15:33	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 15:33	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 15:33	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 14:35
Date Received: 10/31/18 15:40

Sample Name: BAT-87-20(0)-181030
Lab Code: R1810578-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	11/06/18 15:33	
Toluene-d8	95	87 - 121	11/06/18 15:33	
Dibromofluoromethane	98	89 - 119	11/06/18 15:33	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 14:40
Date Received: 10/31/18 15:40

Sample Name: BAT-87-20(1)-181030
Lab Code: R1810578-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	10 U	10	2.8	10	11/06/18 19:41	
Vinyl Chloride	730	10	2.2	10	11/06/18 19:41	
Chloroethane	10 U	10	2.3	10	11/06/18 19:41	
Bromomethane	10 U	10	7.0	10	11/06/18 19:41	
1,1-Dichloroethene	7.6 J	10	2.8	10	11/06/18 19:41	
Acetone	50 U	50	21	10	11/06/18 19:41	
Carbon Disulfide	18	10	3.1	10	11/06/18 19:41	
Methylene Chloride	10 U	10	4.7	10	11/06/18 19:41	
trans-1,2-Dichloroethene	7.7 J	10	2.6	10	11/06/18 19:41	
1,1-Dichloroethane	11	10	2.0	10	11/06/18 19:41	
cis-1,2-Dichloroethene	2300 D	20	5.2	20	11/08/18 19:41	
2-Butanone (MEK)	50 U	50	7.8	10	11/06/18 19:41	
Chloroform	10 U	10	2.8	10	11/06/18 19:41	
1,1,1-Trichloroethane	14	10	2.5	10	11/06/18 19:41	
Carbon Tetrachloride	10 U	10	3.4	10	11/06/18 19:41	
Benzene	10 U	10	2.0	10	11/06/18 19:41	
1,2-Dichloroethane	10 U	10	2.0	10	11/06/18 19:41	
Trichloroethene	28	10	2.0	10	11/06/18 19:41	
1,2-Dichloropropane	10 U	10	2.1	10	11/06/18 19:41	
Bromodichloromethane	10 U	10	3.1	10	11/06/18 19:41	
cis-1,3-Dichloropropene	10 U	10	3.0	10	11/06/18 19:41	
4-Methyl-2-pentanone (MIBK)	50 U	50	2.9	10	11/06/18 19:41	
Toluene	10 U	10	2.0	10	11/06/18 19:41	
trans-1,3-Dichloropropene	10 U	10	3.0	10	11/06/18 19:41	
1,1,2-Trichloroethane	10 U	10	2.5	10	11/06/18 19:41	
Tetrachloroethene	10 U	10	2.8	10	11/06/18 19:41	
2-Hexanone	50 U	50	3.4	10	11/06/18 19:41	
Dibromochloromethane	10 U	10	2.0	10	11/06/18 19:41	
Chlorobenzene	10 U	10	2.0	10	11/06/18 19:41	
Ethylbenzene	10 U	10	2.0	10	11/06/18 19:41	
m,p-Xylenes	20 U	20	2.1	10	11/06/18 19:41	
o-Xylene	10 U	10	2.0	10	11/06/18 19:41	
Styrene	10 U	10	2.0	10	11/06/18 19:41	
Bromoform	10 U	10	3.6	10	11/06/18 19:41	
1,1,2,2-Tetrachloroethane	10 U	10	2.0	10	11/06/18 19:41	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 14:40
Date Received: 10/31/18 15:40

Sample Name: BAT-87-20(1)-181030
Lab Code: R1810578-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/06/18 19:41	
Toluene-d8	93	87 - 121	11/06/18 19:41	
Dibromofluoromethane	97	89 - 119	11/06/18 19:41	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 15:20
Date Received: 10/31/18 15:40

Sample Name: BAT-89-04(1)-181030
Lab Code: R1810578-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 16:19	
Vinyl Chloride	0.40 J	1.0	0.22	1	11/06/18 16:19	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 16:19	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 16:19	
1,1-Dichloroethene	0.49 J	1.0	0.28	1	11/06/18 16:19	
Acetone	5.0 U	5.0	2.1	1	11/06/18 16:19	
Carbon Disulfide	9.9	1.0	0.31	1	11/06/18 16:19	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 16:19	
trans-1,2-Dichloroethene	0.41 J	1.0	0.26	1	11/06/18 16:19	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 16:19	
cis-1,2-Dichloroethene	2.0	1.0	0.26	1	11/06/18 16:19	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 16:19	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 16:19	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 16:19	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 16:19	
Benzene	1.0 U	1.0	0.20	1	11/06/18 16:19	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 16:19	
Trichloroethene	1.3	1.0	0.20	1	11/06/18 16:19	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 16:19	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 16:19	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 16:19	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 16:19	
Toluene	1.0 U	1.0	0.20	1	11/06/18 16:19	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 16:19	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 16:19	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 16:19	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 16:19	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 16:19	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 16:19	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 16:19	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 16:19	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 16:19	
Styrene	1.0 U	1.0	0.20	1	11/06/18 16:19	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 16:19	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 16:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 15:20
Date Received: 10/31/18 15:40

Sample Name: BAT-89-04(1)-181030
Lab Code: R1810578-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/06/18 16:19	
Toluene-d8	92	87 - 121	11/06/18 16:19	
Dibromofluoromethane	96	89 - 119	11/06/18 16:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 15:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-22(1)-181030
Lab Code: R1810578-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	20 U	20	5.6	20	11/08/18 18:57	
Vinyl Chloride	1700	20	4.4	20	11/08/18 18:57	
Chloroethane	20 U	20	4.6	20	11/08/18 18:57	
Bromomethane	20 U	20	14	20	11/08/18 18:57	
1,1-Dichloroethene	9.0 J	20	5.6	20	11/08/18 18:57	
Acetone	100 U	100	42	20	11/08/18 18:57	
Carbon Disulfide	26	20	6.2	20	11/08/18 18:57	
Methylene Chloride	20 U	20	9.4	20	11/08/18 18:57	
trans-1,2-Dichloroethene	17 J	20	5.2	20	11/08/18 18:57	
1,1-Dichloroethane	11 J	20	4.0	20	11/08/18 18:57	
cis-1,2-Dichloroethene	3300	20	5.2	20	11/08/18 18:57	
2-Butanone (MEK)	100 U	100	16	20	11/08/18 18:57	
Chloroform	20 U	20	5.6	20	11/08/18 18:57	
1,1,1-Trichloroethane	20 U	20	5.0	20	11/08/18 18:57	
Carbon Tetrachloride	20 U	20	6.8	20	11/08/18 18:57	
Benzene	20 U	20	4.0	20	11/08/18 18:57	
1,2-Dichloroethane	20 U	20	4.0	20	11/08/18 18:57	
Trichloroethene	20 J	20	4.0	20	11/08/18 18:57	
1,2-Dichloropropane	20 U	20	4.2	20	11/08/18 18:57	
Bromodichloromethane	20 U	20	6.2	20	11/08/18 18:57	
cis-1,3-Dichloropropene	20 U	20	6.0	20	11/08/18 18:57	
4-Methyl-2-pentanone (MIBK)	100 U	100	5.8	20	11/08/18 18:57	
Toluene	20 U	20	4.0	20	11/08/18 18:57	
trans-1,3-Dichloropropene	20 U	20	6.0	20	11/08/18 18:57	
1,1,2-Trichloroethane	20 U	20	5.0	20	11/08/18 18:57	
Tetrachloroethene	20 U	20	5.6	20	11/08/18 18:57	
2-Hexanone	100 U	100	6.8	20	11/08/18 18:57	
Dibromochloromethane	20 U	20	4.0	20	11/08/18 18:57	
Chlorobenzene	20 U	20	4.0	20	11/08/18 18:57	
Ethylbenzene	20 U	20	4.0	20	11/08/18 18:57	
m,p-Xylenes	40 U	40	4.2	20	11/08/18 18:57	
o-Xylene	20 U	20	4.0	20	11/08/18 18:57	
Styrene	20 U	20	4.0	20	11/08/18 18:57	
Bromoform	20 U	20	7.2	20	11/08/18 18:57	
1,1,2,2-Tetrachloroethane	20 U	20	4.0	20	11/08/18 18:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 15:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-22(1)-181030
Lab Code: R1810578-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	11/08/18 18:57	
Toluene-d8	94	87 - 121	11/08/18 18:57	
Dibromofluoromethane	98	89 - 119	11/08/18 18:57	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 16:10
Date Received: 10/31/18 15:40

Sample Name: BAT-87-19(1)-181030
Lab Code: R1810578-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 16:40	
Vinyl Chloride	3.5	1.0	0.22	1	11/06/18 16:40	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 16:40	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 16:40	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 16:40	
Acetone	5.0 U	5.0	2.1	1	11/06/18 16:40	
Carbon Disulfide	1.6	1.0	0.31	1	11/06/18 16:40	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 16:40	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 16:40	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 16:40	
cis-1,2-Dichloroethene	5.3	1.0	0.26	1	11/06/18 16:40	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 16:40	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 16:40	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 16:40	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 16:40	
Benzene	1.0 U	1.0	0.20	1	11/06/18 16:40	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 16:40	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 16:40	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 16:40	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 16:40	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 16:40	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 16:40	
Toluene	1.0 U	1.0	0.20	1	11/06/18 16:40	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 16:40	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 16:40	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 16:40	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 16:40	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 16:40	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 16:40	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 16:40	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 16:40	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 16:40	
Styrene	1.0 U	1.0	0.20	1	11/06/18 16:40	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 16:40	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 16:40	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 16:10
Date Received: 10/31/18 15:40

Sample Name: BAT-87-19(1)-181030
Lab Code: R1810578-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/06/18 16:40	
Toluene-d8	95	87 - 121	11/06/18 16:40	
Dibromofluoromethane	97	89 - 119	11/06/18 16:40	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 16:40
Date Received: 10/31/18 15:40

Sample Name: BAT-87-21(1)-181030
Lab Code: R1810578-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 17:02	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 17:02	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 17:02	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 17:02	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 17:02	
Acetone	5.0 U	5.0	2.1	1	11/06/18 17:02	
Carbon Disulfide	1.3	1.0	0.31	1	11/06/18 17:02	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 17:02	
trans-1,2-Dichloroethene	0.34 J	1.0	0.26	1	11/06/18 17:02	
1,1-Dichloroethane	1.6	1.0	0.20	1	11/06/18 17:02	
cis-1,2-Dichloroethene	5.7	1.0	0.26	1	11/06/18 17:02	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 17:02	
Chloroform	1.4	1.0	0.28	1	11/06/18 17:02	
1,1,1-Trichloroethane	1.7	1.0	0.25	1	11/06/18 17:02	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 17:02	
Benzene	1.0 U	1.0	0.20	1	11/06/18 17:02	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 17:02	
Trichloroethene	3.5	1.0	0.20	1	11/06/18 17:02	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 17:02	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 17:02	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 17:02	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 17:02	
Toluene	1.0 U	1.0	0.20	1	11/06/18 17:02	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 17:02	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 17:02	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 17:02	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 17:02	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 17:02	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 17:02	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 17:02	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 17:02	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 17:02	
Styrene	1.0 U	1.0	0.20	1	11/06/18 17:02	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 17:02	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 17:02	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 16:40
Date Received: 10/31/18 15:40

Sample Name: BAT-87-21(1)-181030
Lab Code: R1810578-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/06/18 17:02	
Toluene-d8	94	87 - 121	11/06/18 17:02	
Dibromofluoromethane	97	89 - 119	11/06/18 17:02	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:00
Date Received: 10/31/18 15:40

Sample Name: BAT-89-14(1)-181030
Lab Code: R1810578-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	0.30 J	1.0	0.28	1	11/08/18 18:33	
Vinyl Chloride	140	1.0	0.22	1	11/08/18 18:33	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 18:33	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 18:33	
1,1-Dichloroethene	0.41 J	1.0	0.28	1	11/08/18 18:33	
Acetone	5.0 U	5.0	2.1	1	11/08/18 18:33	
Carbon Disulfide	1.8	1.0	0.31	1	11/08/18 18:33	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 18:33	
trans-1,2-Dichloroethene	1.3	1.0	0.26	1	11/08/18 18:33	
1,1-Dichloroethane	11	1.0	0.20	1	11/08/18 18:33	
cis-1,2-Dichloroethene	49	1.0	0.26	1	11/08/18 18:33	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 18:33	
Chloroform	1.0 U	1.0	0.28	1	11/08/18 18:33	
1,1,1-Trichloroethane	0.46 J	1.0	0.25	1	11/08/18 18:33	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 18:33	
Benzene	1.0 U	1.0	0.20	1	11/08/18 18:33	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 18:33	
Trichloroethene	0.96 J	1.0	0.20	1	11/08/18 18:33	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 18:33	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 18:33	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 18:33	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 18:33	
Toluene	1.0 U	1.0	0.20	1	11/08/18 18:33	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 18:33	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 18:33	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 18:33	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 18:33	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 18:33	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 18:33	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 18:33	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 18:33	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 18:33	
Styrene	1.0 U	1.0	0.20	1	11/08/18 18:33	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 18:33	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 18:33	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:00
Date Received: 10/31/18 15:40

Sample Name: BAT-89-14(1)-181030
Lab Code: R1810578-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/08/18 18:33	
Toluene-d8	92	87 - 121	11/08/18 18:33	
Dibromofluoromethane	96	89 - 119	11/08/18 18:33	

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dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:05
Date Received: 10/31/18 15:40

Sample Name: BAT-89-14(0)-181030
Lab Code: R1810578-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/08/18 17:49	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/08/18 17:49	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 17:49	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 17:49	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/08/18 17:49	
Acetone	5.0 U	5.0	2.1	1	11/08/18 17:49	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/08/18 17:49	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 17:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 17:49	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 17:49	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 17:49	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 17:49	
Chloroform	1.0 U	1.0	0.28	1	11/08/18 17:49	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 17:49	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 17:49	
Benzene	1.0 U	1.0	0.20	1	11/08/18 17:49	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 17:49	
Trichloroethene	1.0 U	1.0	0.20	1	11/08/18 17:49	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 17:49	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 17:49	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 17:49	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 17:49	
Toluene	1.0 U	1.0	0.20	1	11/08/18 17:49	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 17:49	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 17:49	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 17:49	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 17:49	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 17:49	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 17:49	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 17:49	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 17:49	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 17:49	
Styrene	1.0 U	1.0	0.20	1	11/08/18 17:49	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 17:49	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 17:49	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:05
Date Received: 10/31/18 15:40

Sample Name: BAT-89-14(0)-181030
Lab Code: R1810578-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	11/08/18 17:49	
Toluene-d8	93	87 - 121	11/08/18 17:49	
Dibromofluoromethane	97	89 - 119	11/08/18 17:49	

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dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:35
Date Received: 10/31/18 15:40

Sample Name: BAT-B-14(1)-181030
Lab Code: R1810578-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.0 U	2.0	0.56	2	11/06/18 18:58	
Vinyl Chloride	170	2.0	0.44	2	11/06/18 18:58	
Chloroethane	2.0 U	2.0	0.46	2	11/06/18 18:58	
Bromomethane	2.0 U	2.0	1.4	2	11/06/18 18:58	
1,1-Dichloroethene	0.80 J	2.0	0.56	2	11/06/18 18:58	
Acetone	10 U	10	4.2	2	11/06/18 18:58	
Carbon Disulfide	2.5	2.0	0.62	2	11/06/18 18:58	
Methylene Chloride	2.0 U	2.0	0.94	2	11/06/18 18:58	
trans-1,2-Dichloroethene	1.8 J	2.0	0.52	2	11/06/18 18:58	
1,1-Dichloroethane	14	2.0	0.40	2	11/06/18 18:58	
cis-1,2-Dichloroethene	140	2.0	0.52	2	11/06/18 18:58	
2-Butanone (MEK)	10 U	10	1.6	2	11/06/18 18:58	
Chloroform	2.0 U	2.0	0.56	2	11/06/18 18:58	
1,1,1-Trichloroethane	41	2.0	0.50	2	11/06/18 18:58	
Carbon Tetrachloride	2.0 U	2.0	0.68	2	11/06/18 18:58	
Benzene	2.0 U	2.0	0.40	2	11/06/18 18:58	
1,2-Dichloroethane	2.0 U	2.0	0.40	2	11/06/18 18:58	
Trichloroethene	1.2 J	2.0	0.40	2	11/06/18 18:58	
1,2-Dichloropropane	2.0 U	2.0	0.42	2	11/06/18 18:58	
Bromodichloromethane	2.0 U	2.0	0.62	2	11/06/18 18:58	
cis-1,3-Dichloropropene	2.0 U	2.0	0.60	2	11/06/18 18:58	
4-Methyl-2-pentanone (MIBK)	10 U	10	0.58	2	11/06/18 18:58	
Toluene	2.0 U	2.0	0.40	2	11/06/18 18:58	
trans-1,3-Dichloropropene	2.0 U	2.0	0.60	2	11/06/18 18:58	
1,1,2-Trichloroethane	2.0 U	2.0	0.50	2	11/06/18 18:58	
Tetrachloroethene	2.0 U	2.0	0.56	2	11/06/18 18:58	
2-Hexanone	10 U	10	0.68	2	11/06/18 18:58	
Dibromochloromethane	2.0 U	2.0	0.40	2	11/06/18 18:58	
Chlorobenzene	2.0 U	2.0	0.40	2	11/06/18 18:58	
Ethylbenzene	2.0 U	2.0	0.40	2	11/06/18 18:58	
m,p-Xylenes	4.0 U	4.0	0.42	2	11/06/18 18:58	
o-Xylene	2.0 U	2.0	0.40	2	11/06/18 18:58	
Styrene	2.0 U	2.0	0.40	2	11/06/18 18:58	
Bromoform	2.0 U	2.0	0.72	2	11/06/18 18:58	
1,1,2,2-Tetrachloroethane	2.0 U	2.0	0.40	2	11/06/18 18:58	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18 17:35
Date Received: 10/31/18 15:40

Sample Name: BAT-B-14(1)-181030
Lab Code: R1810578-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	11/06/18 18:58	
Toluene-d8	94	87 - 121	11/06/18 18:58	
Dibromofluoromethane	98	89 - 119	11/06/18 18:58	



QC Summary Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Toluene-d8	Dibromofluoromethane
		85-122	87-121	89-119
BAT-87-02 (1)-181030	R1810578-001	89	93	98
BAT-87-01(1)-181030	R1810578-003	86	91	94
BAT-EW-6-181030	R1810578-004	86	92	94
BAT-93-03(1)-181030	R1810578-005	87	92	94
BAT-EW-5-181030	R1810578-006	89	92	93
BAT-EW-4-181030	R1810578-007	90	94	96
Method Blank	RQ1812319-04	90	94	93
Lab Control Sample	RQ1812319-03	97	97	98
BAT-EW-4-181030 MS	RQ1812319-05	93	95	97
BAT-EW-4-181030 DMS	RQ1812319-06	91	94	97
BAT-87-02(3)-181030	R1810578-002	94	98	102
BAT-EW-3-181030	R1810578-008	89	93	97
BAT-EW-2-181030	R1810578-009	90	94	98
BAT-DUP-1-181030	R1810578-010	88	94	99
BAT-87-20(0)-181030	R1810578-011	93	95	98
BAT-87-20(1)-181030	R1810578-012	89	93	97
BAT-89-04(1)-181030	R1810578-013	89	92	96
BAT-87-22(1)-181030	R1810578-014	92	94	98
BAT-87-19(1)-181030	R1810578-015	90	95	97
BAT-87-21(1)-181030	R1810578-016	90	94	97
BAT-89-14(1)-181030	R1810578-017	89	92	96
BAT-89-14(0)-181030	R1810578-018	91	93	97
BAT-B-14(1)-181030	R1810578-019	91	94	98
Method Blank	RQ1812380-04	93	97	98
Method Blank	RQ1812381-06	89	91	96
Lab Control Sample	RQ1812380-03	97	97	99
Lab Control Sample	RQ1812381-03	93	94	96

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: 10/30/18
Date Received: 10/31/18
Date Analyzed: 11/5/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: BAT-EW-4-181030
Lab Code: R1810578-007
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1812319-05			Duplicate Matrix Spike RQ1812319-06			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Chloromethane	1.0 U	39.2	50.0	78	35.8	50.0	72	55-160	9	30
Vinyl Chloride	63	112	50.0	98	107	50.0	87	74-159	5	30
Chloroethane	1.0 U	45.1	50.0	90	38.2	50.0	76	48-146	17	30
Bromomethane	1.0 U	27.8	50.0	56	27.6	50.0	55	10-184	<1	30
1,1-Dichloroethene	1.0 U	51.4	50.0	103	49.5	50.0	99	71-118	4	30
Acetone	5.0 U	45.4	50.0	91	41.4	50.0	83	35-183	9	30
Carbon Disulfide	1.9	52.6	50.0	102	52.0	50.0	100	59-140	1	30
Methylene Chloride	1.0 U	50.4	50.0	101	47.7	50.0	95	73-122	5	30
trans-1,2-Dichloroethene	1.7	51.3	50.0	99	49.1	50.0	95	73-118	4	30
1,1-Dichloroethane	1.9	52.8	50.0	102	49.4	50.0	95	74-132	7	30
cis-1,2-Dichloroethene	34	89.7	50.0	111	89.5	50.0	110	77-127	<1	30
2-Butanone (MEK)	5.0 U	48.8	50.0	98	44.2	50.0	88	61-137	10	30
Chloroform	1.0 U	51.6	50.0	103	50.2	50.0	100	75-130	3	30
1,1,1-Trichloroethane	0.93 J	54.3	50.0	107	54.3	50.0	107	74-127	<1	30
Carbon Tetrachloride	1.0 U	54.2	50.0	108	54.7	50.0	109	65-135	<1	30
Benzene	1.0 U	50.1	50.0	100	48.9	50.0	98	76-129	2	30
1,2-Dichloroethane	1.0 U	51.9	50.0	104	49.5	50.0	99	68-130	5	30
Trichloroethene	0.72 J	49.7	50.0	98	48.3	50.0	95	74-122	3	30
1,2-Dichloropropane	1.0 U	51.0	50.0	102	48.9	50.0	98	79-124	4	30
Bromodichloromethane	1.0 U	50.2	50.0	100	52.1	50.0	104	78-133	4	30
cis-1,3-Dichloropropene	1.0 U	51.4	50.0	103	50.9	50.0	102	52-134	1	30
4-Methyl-2-pentanone (MIBK)	5.0 U	49.2	50.0	98	45.5	50.0	91	60-141	8	30
Toluene	1.0 U	50.9	50.0	102	49.6	50.0	99	79-119	3	30
trans-1,3-Dichloropropene	1.0 U	50.0	50.0	100	48.8	50.0	98	71-133	2	30
1,1,2-Trichloroethane	1.0 U	50.6	50.0	101	48.0	50.0	96	82-121	5	30
Tetrachloroethene	1.0 U	50.7	50.0	101	49.3	50.0	99	72-125	3	30
2-Hexanone	5.0 U	48.5	50.0	97	45.5	50.0	91	56-132	6	30
Dibromochloromethane	1.0 U	52.0	50.0	104	53.4	50.0	107	72-128	3	30
Chlorobenzene	1.0 U	49.7	50.0	99	48.8	50.0	98	76-125	2	30
Ethylbenzene	1.0 U	51.7	50.0	103	50.7	50.0	101	72-134	2	30
m,p-Xylenes	2.0 U	101	100	101	101	100	101	80-126	<1	30
o-Xylene	1.0 U	52.9	50.0	106	51.1	50.0	102	79-123	4	30
Styrene	1.0 U	49.7	50.0	99	49.6	50.0	99	74-136	<1	30
Bromoform	1.0 U	51.7	50.0	103	51.8	50.0	104	58-133	<1	30
1,1,2,2-Tetrachloroethane	1.0 U	50.9	50.0	102	49.4	50.0	99	72-122	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812319-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/05/18 11:14	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/05/18 11:14	
Chloroethane	1.0 U	1.0	0.23	1	11/05/18 11:14	
Bromomethane	1.0 U	1.0	0.70	1	11/05/18 11:14	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/05/18 11:14	
Acetone	5.0 U	5.0	2.1	1	11/05/18 11:14	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/05/18 11:14	
Methylene Chloride	0.58 J	1.0	0.47	1	11/05/18 11:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 11:14	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 11:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/05/18 11:14	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/05/18 11:14	
Chloroform	1.0 U	1.0	0.28	1	11/05/18 11:14	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 11:14	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/05/18 11:14	
Benzene	1.0 U	1.0	0.20	1	11/05/18 11:14	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/05/18 11:14	
Trichloroethene	1.0 U	1.0	0.20	1	11/05/18 11:14	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/05/18 11:14	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/05/18 11:14	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 11:14	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/05/18 11:14	
Toluene	1.0 U	1.0	0.20	1	11/05/18 11:14	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/05/18 11:14	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/05/18 11:14	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/05/18 11:14	
2-Hexanone	5.0 U	5.0	0.34	1	11/05/18 11:14	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/05/18 11:14	
Chlorobenzene	1.0 U	1.0	0.20	1	11/05/18 11:14	
Ethylbenzene	1.0 U	1.0	0.20	1	11/05/18 11:14	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/05/18 11:14	
o-Xylene	1.0 U	1.0	0.20	1	11/05/18 11:14	
Styrene	1.0 U	1.0	0.20	1	11/05/18 11:14	
Bromoform	1.0 U	1.0	0.36	1	11/05/18 11:14	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/05/18 11:14	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812319-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/05/18 11:14	
Toluene-d8	94	87 - 121	11/05/18 11:14	
Dibromofluoromethane	93	89 - 119	11/05/18 11:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812380-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 11:40	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 11:40	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 11:40	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 11:40	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 11:40	
Acetone	5.0 U	5.0	2.1	1	11/06/18 11:40	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 11:40	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 11:40	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 11:40	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 11:40	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 11:40	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 11:40	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 11:40	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 11:40	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 11:40	
Benzene	1.0 U	1.0	0.20	1	11/06/18 11:40	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 11:40	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 11:40	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 11:40	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 11:40	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 11:40	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 11:40	
Toluene	1.0 U	1.0	0.20	1	11/06/18 11:40	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 11:40	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 11:40	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 11:40	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 11:40	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 11:40	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 11:40	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 11:40	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 11:40	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 11:40	
Styrene	1.0 U	1.0	0.20	1	11/06/18 11:40	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 11:40	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 11:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ1812380-04

Service Request: R1810578
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	11/06/18 11:40	
Toluene-d8	97	87 - 121	11/06/18 11:40	
Dibromofluoromethane	98	89 - 119	11/06/18 11:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812381-06

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/08/18 13:21	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/08/18 13:21	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 13:21	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 13:21	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/08/18 13:21	
Acetone	5.0 U	5.0	2.1	1	11/08/18 13:21	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/08/18 13:21	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 13:21	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 13:21	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 13:21	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 13:21	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 13:21	
Chloroform	1.0 U	1.0	0.28	1	11/08/18 13:21	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 13:21	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 13:21	
Benzene	1.0 U	1.0	0.20	1	11/08/18 13:21	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 13:21	
Trichloroethene	1.0 U	1.0	0.20	1	11/08/18 13:21	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 13:21	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 13:21	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 13:21	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 13:21	
Toluene	1.0 U	1.0	0.20	1	11/08/18 13:21	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 13:21	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 13:21	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 13:21	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 13:21	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 13:21	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 13:21	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 13:21	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 13:21	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 13:21	
Styrene	1.0 U	1.0	0.20	1	11/08/18 13:21	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 13:21	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 13:21	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ1812381-06

Service Request: R1810578
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	11/08/18 13:21	
Toluene-d8	91	87 - 121	11/08/18 13:21	
Dibromofluoromethane	96	89 - 119	11/08/18 13:21	

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/05/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812319-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	14.7	20.0	74	65-135
Vinyl Chloride	8260C	17.7	20.0	88	74-159
Chloroethane	8260C	13.6	20.0	68	62-131
Bromomethane	8260C	19.5	20.0	97	42-166
1,1-Dichloroethene	8260C	18.2	20.0	91	71-118
Acetone	8260C	15.6	20.0	78	40-161
Carbon Disulfide	8260C	18.4	20.0	92	66-128
Methylene Chloride	8260C	18.3	20.0	92	73-122
trans-1,2-Dichloroethene	8260C	18.5	20.0	92	73-118
1,1-Dichloroethane	8260C	17.9	20.0	89	80-124
cis-1,2-Dichloroethene	8260C	17.8	20.0	89	80-121
2-Butanone (MEK)	8260C	17.2	20.0	86	61-137
Chloroform	8260C	18.8	20.0	94	79-120
1,1,1-Trichloroethane	8260C	19.3	20.0	97	75-125
Carbon Tetrachloride	8260C	20.1	20.0	101	70-127
Benzene	8260C	18.4	20.0	92	79-119
1,2-Dichloroethane	8260C	19.9	20.0	99	71-127
Trichloroethene	8260C	18.6	20.0	93	74-122
1,2-Dichloropropane	8260C	18.6	20.0	93	80-119
Bromodichloromethane	8260C	19.3	20.0	97	81-123
cis-1,3-Dichloropropene	8260C	19.2	20.0	96	77-122
4-Methyl-2-pentanone (MIBK)	8260C	16.9	20.0	84	66-124
Toluene	8260C	18.9	20.0	94	79-119
trans-1,3-Dichloropropene	8260C	19.5	20.0	98	71-133
1,1,2-Trichloroethane	8260C	19.0	20.0	95	82-121
Tetrachloroethene	8260C	18.2	20.0	91	72-125
2-Hexanone	8260C	16.0	20.0	80	63-124
Dibromochloromethane	8260C	19.9	20.0	99	72-128
Chlorobenzene	8260C	18.0	20.0	90	80-121
Ethylbenzene	8260C	18.6	20.0	93	76-120
m,p-Xylenes	8260C	36.0	40.0	90	80-126
o-Xylene	8260C	18.7	20.0	94	79-123
Styrene	8260C	18.4	20.0	92	80-124

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578**Date Analyzed:** 11/05/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1812319-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	20.9	20.0	104	65-146
1,1,2,2-Tetrachloroethane	8260C	17.8	20.0	89	78-126

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/06/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812380-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	15.8	20.0	79	65-135
Vinyl Chloride	8260C	19.5	20.0	98	74-159
Chloroethane	8260C	15.8	20.0	79	62-131
Bromomethane	8260C	19.7	20.0	99	42-166
1,1-Dichloroethene	8260C	21.2	20.0	106	71-118
Acetone	8260C	17.0	20.0	85	40-161
Carbon Disulfide	8260C	20.2	20.0	101	66-128
Methylene Chloride	8260C	20.5	20.0	102	73-122
trans-1,2-Dichloroethene	8260C	20.6	20.0	103	73-118
1,1-Dichloroethane	8260C	19.9	20.0	99	80-124
cis-1,2-Dichloroethene	8260C	19.9	20.0	100	80-121
2-Butanone (MEK)	8260C	16.1	20.0	80	61-137
Chloroform	8260C	20.6	20.0	103	79-120
1,1,1-Trichloroethane	8260C	21.9	20.0	110	75-125
Carbon Tetrachloride	8260C	22.6	20.0	113	70-127
Benzene	8260C	20.4	20.0	102	79-119
1,2-Dichloroethane	8260C	21.2	20.0	106	71-127
Trichloroethene	8260C	19.9	20.0	100	74-122
1,2-Dichloropropane	8260C	20.7	20.0	104	80-119
Bromodichloromethane	8260C	21.5	20.0	107	81-123
cis-1,3-Dichloropropene	8260C	20.3	20.0	101	77-122
4-Methyl-2-pentanone (MIBK)	8260C	16.6	20.0	83	66-124
Toluene	8260C	20.9	20.0	104	79-119
trans-1,3-Dichloropropene	8260C	20.4	20.0	102	71-133
1,1,2-Trichloroethane	8260C	20.0	20.0	100	82-121
Tetrachloroethene	8260C	21.1	20.0	105	72-125
2-Hexanone	8260C	15.9	20.0	79	63-124
Dibromochloromethane	8260C	20.8	20.0	104	72-128
Chlorobenzene	8260C	20.4	20.0	102	80-121
Ethylbenzene	8260C	21.1	20.0	106	76-120
m,p-Xylenes	8260C	40.7	40.0	102	80-126
o-Xylene	8260C	21.3	20.0	106	79-123
Styrene	8260C	20.5	20.0	102	80-124

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/06/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812380-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	21.6	20.0	108	65-146
1,1,2,2-Tetrachloroethane	8260C	18.4	20.0	92	78-126

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812381-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	13.9	20.0	70	65-135
Vinyl Chloride	8260C	18.0	20.0	90	74-159
Chloroethane	8260C	15.6	20.0	78	62-131
Bromomethane	8260C	15.5	20.0	78	42-166
1,1-Dichloroethene	8260C	18.7	20.0	94	71-118
Acetone	8260C	19.0	20.0	95	40-161
Carbon Disulfide	8260C	20.1	20.0	100	66-128
Methylene Chloride	8260C	19.6	20.0	98	73-122
trans-1,2-Dichloroethene	8260C	20.0	20.0	100	73-118
1,1-Dichloroethane	8260C	19.7	20.0	99	80-124
cis-1,2-Dichloroethene	8260C	19.3	20.0	97	80-121
2-Butanone (MEK)	8260C	18.9	20.0	95	61-137
Chloroform	8260C	20.1	20.0	100	79-120
1,1,1-Trichloroethane	8260C	21.1	20.0	106	75-125
Carbon Tetrachloride	8260C	22.0	20.0	110	70-127
Benzene	8260C	19.7	20.0	99	79-119
1,2-Dichloroethane	8260C	20.0	20.0	100	71-127
Trichloroethene	8260C	19.7	20.0	98	74-122
1,2-Dichloropropane	8260C	19.7	20.0	98	80-119
Bromodichloromethane	8260C	20.5	20.0	102	81-123
cis-1,3-Dichloropropene	8260C	20.2	20.0	101	77-122
4-Methyl-2-pentanone (MIBK)	8260C	19.6	20.0	98	66-124
Toluene	8260C	20.3	20.0	102	79-119
trans-1,3-Dichloropropene	8260C	19.7	20.0	99	71-133
1,1,2-Trichloroethane	8260C	19.6	20.0	98	82-121
Tetrachloroethene	8260C	19.9	20.0	99	72-125
2-Hexanone	8260C	18.5	20.0	92	63-124
Dibromochloromethane	8260C	20.5	20.0	103	72-128
Chlorobenzene	8260C	19.4	20.0	97	80-121
Ethylbenzene	8260C	19.8	20.0	99	76-120
m,p-Xylenes	8260C	38.7	40.0	97	80-126
o-Xylene	8260C	20.0	20.0	100	79-123
Styrene	8260C	19.2	20.0	96	80-124

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810578
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1812381-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	22.3	20.0	111	65-146
1,1,2,2-Tetrachloroethane	8260C	20.8	20.0	104	78-126



November 13, 2018

Service Request No:R1810579

Ms. Cecelia Byers
APTIM, Inc
2790 Mosside Boulevard
Monroeville, PA 15146

Laboratory Results for: Textron Wheatfield Annual

Dear Ms.Byers,

Enclosed are the results of the sample(s) submitted to our laboratory October 31, 2018
For your reference, these analyses have been assigned our service request number **R1810579**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Lisa
Schermerhorn

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: APTIM, Inc
Project: Textron Wheatfield Annual
Sample Matrix: Water

Service Request: R1810579
Date Received: 10/31/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Seventeen water samples were received for analysis at ALS Environmental on 10/31/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Volatiles by GC/MS:

Method 8260C, 11/06/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 11/09/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 11/09/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 11/09/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by _____

Date 11/13/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-13-181031	Lab ID: R1810579-002

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	160		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.50	J	0.28	1.0	ug/L	8260C
Acetone	2.1	J	2.1	5.0	ug/L	8260C
Carbon Disulfide	0.41	J	0.31	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.2		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	8.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	56		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	18		0.25	1.0	ug/L	8260C
Trichloroethene	1.3		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-EW-8-181031	Lab ID: R1810579-003

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	27		0.22	1.0	ug/L	8260C
1,1-Dichloroethene	0.36	J	0.28	1.0	ug/L	8260C
Methylene Chloride	9.2		0.47	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.54	J	0.26	1.0	ug/L	8260C
1,1-Dichloroethane	2.2		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	80		0.26	1.0	ug/L	8260C
Chloroform	1.0		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	2.1		0.25	1.0	ug/L	8260C
Trichloroethene	3.1		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DW-12-181031	Lab ID: R1810579-004

Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	0.72	J	0.26	1.0	ug/L	8260C
Trichloroethene	1.4		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DW-11-181031	Lab ID: R1810579-005

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	0.53	J	0.22	1.0	ug/L	8260C
Acetone	2.7	J	2.1	5.0	ug/L	8260C
Methylene Chloride	0.77	J	0.47	1.0	ug/L	8260C
cis-1,2-Dichloroethene	11		0.26	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.31	J	0.25	1.0	ug/L	8260C
Trichloroethene	35		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-87-10(0)-181031	Lab ID: R1810579-006

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1-Dichloroethane	1.3		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	6.0		0.26	1.0	ug/L	8260C
Chloroform	1.1		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.44	J	0.25	1.0	ug/L	8260C
Trichloroethene	1.1		0.20	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-89-15(1)-181031	Lab ID: R1810579-007

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	190	D	0.55	2.5	ug/L	8260C
1,1-Dichloroethene	1.8		0.28	1.0	ug/L	8260C
Carbon Disulfide	200		0.31	1.0	ug/L	8260C
Methylene Chloride	380	D	1.2	2.5	ug/L	8260C
trans-1,2-Dichloroethene	4.2		0.26	1.0	ug/L	8260C
1,1-Dichloroethane	9.3		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	290	D	0.65	2.5	ug/L	8260C
2-Butanone (MEK)	2.8	J	0.78	5.0	ug/L	8260C
Chloroform	1.9		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.7		0.25	1.0	ug/L	8260C
Benzene	0.34	J	0.20	1.0	ug/L	8260C
Trichloroethene	130		0.20	1.0	ug/L	8260C
Toluene	0.47	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DW-10-181031	Lab ID: R1810579-008

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	6.2		0.55	2.5	ug/L	8260C
1,1-Dichloroethene	0.73	J	0.70	2.5	ug/L	8260C
Acetone	18		5.3	13	ug/L	8260C
Carbon Disulfide	2.5		0.78	2.5	ug/L	8260C
Methylene Chloride	390		1.2	2.5	ug/L	8260C
cis-1,2-Dichloroethene	15		0.65	2.5	ug/L	8260C
2-Butanone (MEK)	10	J	2.0	13	ug/L	8260C
Chloroform	1.1	J	0.70	2.5	ug/L	8260C
Trichloroethene	100		0.50	2.5	ug/L	8260C
2-Hexanone	21		0.85	13	ug/L	8260C

CLIENT ID: BAT-87-13(3)-181031	Lab ID: R1810579-009

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	2800		110	500	ug/L	8260C
Carbon Disulfide	340	J	160	500	ug/L	8260C
Methylene Chloride	280	J	240	500	ug/L	8260C
trans-1,2-Dichloroethene	510		130	500	ug/L	8260C
cis-1,2-Dichloroethene	46000		130	500	ug/L	8260C
Chloroform	480	J	140	500	ug/L	8260C
Trichloroethene	620		100	500	ug/L	8260C

CLIENT ID: BAT-87-14(0)-181031	Lab ID: R1810579-010

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	2.5	J	2.1	5.0	ug/L	8260C
cis-1,2-Dichloroethene	0.57	J	0.26	1.0	ug/L	8260C
Chloroform	0.46	J	0.28	1.0	ug/L	8260C
Trichloroethene	97		0.20	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-14(0)-181031	Lab ID: R1810579-010

Analyte	Results	Flag	MDL	MRL	Units	Method
Toluene	0.21	J	0.20	1.0	ug/L	8260C

CLIENT ID: BAT-87-08(1)-181031	Lab ID: R1810579-011

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	810		2.2	10	ug/L	8260C
1,1-Dichloroethene	6.2	J	2.8	10	ug/L	8260C
Carbon Disulfide	61		3.1	10	ug/L	8260C
Methylene Chloride	290		4.7	10	ug/L	8260C
trans-1,2-Dichloroethene	8.8	J	2.6	10	ug/L	8260C
1,1-Dichloroethane	24		2.0	10	ug/L	8260C
cis-1,2-Dichloroethene	660		2.6	10	ug/L	8260C
1,1,1-Trichloroethane	8.5	J	2.5	10	ug/L	8260C
Trichloroethene	46		2.0	10	ug/L	8260C

CLIENT ID: BAT-DUP-2-181031	Lab ID: R1810579-012

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	19		0.22	1.0	ug/L	8260C
Carbon Disulfide	0.34	J	0.31	1.0	ug/L	8260C
Methylene Chloride	7.5		0.47	1.0	ug/L	8260C
1,1-Dichloroethane	1.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	60		0.26	1.0	ug/L	8260C
Chloroform	1.0		0.28	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.8		0.25	1.0	ug/L	8260C
Trichloroethene	2.7		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-DW-9-181031	Lab ID: R1810579-013

Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	3.3		0.26	1.0	ug/L	8260C
Chloroform	1.2		0.28	1.0	ug/L	8260C
Trichloroethene	16		0.20	1.0	ug/L	8260C

CLIENT ID: BAT-B-8(0)-181031	Lab ID: R1810579-014

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	3.1	J	2.1	5.0	ug/L	8260C

CLIENT ID: BAT-87-17(1)-181031	Lab ID: R1810579-015

Analyte	Results	Flag	MDL	MRL	Units	Method
Vinyl Chloride	260		0.44	2.0	ug/L	8260C
1,1-Dichloroethene	1.3	J	0.56	2.0	ug/L	8260C
Carbon Disulfide	0.85	J	0.62	2.0	ug/L	8260C
trans-1,2-Dichloroethene	2.4		0.52	2.0	ug/L	8260C
1,1-Dichloroethane	20		0.40	2.0	ug/L	8260C
cis-1,2-Dichloroethene	110		0.52	2.0	ug/L	8260C
1,1,1-Trichloroethane	72		0.50	2.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-17(1)-181031			Lab ID: R1810579-015			

Analyte	Results	Flag	MDL	MRL	Units	Method
Trichloroethene	5.1		0.40	2.0	ug/L	8260C

CLIENT ID: Trip Blank 1			Lab ID: R1810579-016			

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	2.5	J	2.1	5.0	ug/L	8260C

CLIENT ID: Trip Blank 2			Lab ID: R1810579-017			

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	2.7	J	2.1	5.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request:R1810579

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1810579-001	BAT-EW-7-181031	10/31/2018	0750
R1810579-002	BAT-EW-13-181031	10/31/2018	0805
R1810579-003	BAT-EW-8-181031	10/31/2018	0825
R1810579-004	BAT-DW-12-181031	10/31/2018	0845
R1810579-005	BAT-DW-11-181031	10/31/2018	0925
R1810579-006	BAT-87-10(0)-181031	10/31/2018	0910
R1810579-007	BAT-89-15(1)-181031	10/31/2018	1005
R1810579-008	BAT-DW-10-181031	10/31/2018	1015
R1810579-009	BAT-87-13(3)-181031	10/31/2018	1045
R1810579-010	BAT-87-14(0)-181031	10/31/2018	1120
R1810579-011	BAT-87-08(1)-181031	10/31/2018	1145
R1810579-012	BAT-DUP-2-181031	10/31/2018	
R1810579-013	BAT-DW-9-181031	10/31/2018	1200
R1810579-014	BAT-B-8(0)-181031	10/31/2018	1215
R1810579-015	BAT-87-17(1)-181031	10/31/2018	1315
R1810579-016	Trip Blank 1	10/31/2018	
R1810579-017	Trip Blank 2	10/31/2018	

Project Name TEXTRON ANNUAL		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																		
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE																		
Company Address APTIM, INC 500 PENN CENTER BLVD SUITE 1000 PITTSBURGH PA 15235 Phone # 412-858-3977 Email CECELIA.BYERS@APTIM.COM Sample's Signature Kevin Cronin Sample's Printed Name KEVIN CRONIN				NUMBER OF CONTAINERS															Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION			
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX																
BAT-DUP-2-181031			10/31/18		-	GW	3 X															
BAT-DW-9-181031					1200																	
BAT-B-8(6)181031					1215																	
BAT-87-17(1)181031					1315																	
BAT-87-17(1)181031 MS/MSD					1315		6															
SPECIAL INSTRUCTIONS/COMMENTS Metals See OAPP ☐							TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day ____ STANDARD REQUESTED REPORT DATE _____				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes ____ No ____				INVOICE INFORMATION PO # 208759 BILL TO: _____ _____ _____							
STATE WHERE SAMPLES WERE COLLECTED																						
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY							RECEIVED BY							
Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]							Signature [Signature]							
Printed Name KEVIN CRONIN		Printed Name BOB CRONIN		Printed Name BOB CRONIN		Printed Name BOB CRONIN		Printed Name BOB CRONIN							Printed Name BOB CRONIN							
Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM		Firm APTIM							Firm APTIM							
Date/Time 10/31/18 1330		Date/Time 10/31/18 1320		Date/Time 10/31/18 1330		Date/Time 10/31/18 1330		Date/Time 10/31/18 1340							Date/Time 10/31/18 1340							



Cooler Receipt and Preservation Check Form

R1810579

5

APTIM, Inc.
Textron Wheatfield AnnualProject/Client Textron / APTIM

Folder Number _____

Cooler received on 10/31/18by: VSCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y ☒ N ☐
2	Custody papers properly completed (ink, signed)?	☒ Y ☐ N
3	Did all bottles arrive in good condition (unbroken)?	☒ Y ☐ N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	☒ Y ☐ N

5a	Perchlorate samples have required headspace?	Y ☐ N ☒ NA ☐
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles ?	☒ Y ☐ N ☐ NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	☒ NA

8. Temperature Readings

Date: 10/31/18 Time: 16:20ID: (IR#7) IR#10From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.1</u>	<u>3.8</u>	<u>4.5</u>				
Correction Factor (°C)	<u>+1.0</u>	<u>+1.0</u>	<u>+0.3</u>				
Corrected Temp (°C)	<u>5.1</u>	<u>4.8</u>	<u>4.8</u>				
Temp from: Type of bottle	<u>cont tube</u>	<u>cont tube</u>	<u>Voa Vial</u>				
Within 0-6°C?	☒ Y ☐ N	☒ Y ☐ N	☒ Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N
If <0°C, were samples frozen?	Y ☒ N	Y ☒ N	Y ☒ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by VS on 10/31/18 at 16:20
 5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 11/1/18 Time: 1746 by: dk

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
 10. Did all bottle labels and tags agree with custody papers? YES NO
 11. Were correct containers used for the tests indicated? YES NO
 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
 13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**	<u>4117090</u>	<u>10/18</u>				

**VOAs and 1664 Not to be tested before analysis.
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 8-206-001

Explain all Discrepancies/ Other Comments:

* See COC

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL354I
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: dkPC Secondary Review: dk 11/1/18

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810579

Sample Name: BAT-EW-7-181031
Lab Code: R1810579-001
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-EW-13-181031
Lab Code: R1810579-002
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-EW-8-181031
Lab Code: R1810579-003
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DW-12-181031
Lab Code: R1810579-004
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DW-11-181031
Lab Code: R1810579-005
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810579

Sample Name: BAT-87-10(0)-181031
Lab Code: R1810579-006
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-89-15(1)-181031
Lab Code: R1810579-007
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DW-10-181031
Lab Code: R1810579-008
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-87-13(3)-181031
Lab Code: R1810579-009
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-87-14(0)-181031
Lab Code: R1810579-010
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330

Service Request: R1810579

Sample Name: BAT-87-08(1)-181031
Lab Code: R1810579-011
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DUP-2-181031
Lab Code: R1810579-012
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-DW-9-181031
Lab Code: R1810579-013
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-B-8(0)-181031
Lab Code: R1810579-014
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: BAT-87-17(1)-181031
Lab Code: R1810579-015
Sample Matrix: Water

Date Collected: 10/31/18
Date Received: 10/31/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc**Service Request:** R1810579**Project:** Textron Wheatfield Annual/631236330**Sample Name:** Trip Blank 1**Date Collected:** 10/31/18**Lab Code:** R1810579-016**Date Received:** 10/31/18**Sample Matrix:** Water**Analysis Method****Extracted/Digested By****Analyzed By**

8260C

KRUEST

Sample Name: Trip Blank 2**Date Collected:** 10/31/18**Lab Code:** R1810579-017**Date Received:** 10/31/18**Sample Matrix:** Water**Analysis Method****Extracted/Digested By****Analyzed By**

8260C

KRUEST



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 07:50
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-7-181031
Lab Code: R1810579-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 17:52	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 17:52	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 17:52	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 17:52	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 17:52	
Acetone	5.0 U	5.0	2.1	1	11/06/18 17:52	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 17:52	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 17:52	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 17:52	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 17:52	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 17:52	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 17:52	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 17:52	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 17:52	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 17:52	
Benzene	1.0 U	1.0	0.20	1	11/06/18 17:52	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 17:52	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 17:52	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 17:52	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 17:52	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 17:52	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 17:52	
Toluene	1.0 U	1.0	0.20	1	11/06/18 17:52	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 17:52	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 17:52	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 17:52	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 17:52	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 17:52	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 17:52	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 17:52	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 17:52	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 17:52	
Styrene	1.0 U	1.0	0.20	1	11/06/18 17:52	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 17:52	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 17:52	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 07:50
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-7-181031
Lab Code: R1810579-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	11/06/18 17:52	
Toluene-d8	104	87 - 121	11/06/18 17:52	
Dibromofluoromethane	98	89 - 119	11/06/18 17:52	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:05
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-13-181031
Lab Code: R1810579-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 18:14	
Vinyl Chloride	160	1.0	0.22	1	11/06/18 18:14	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 18:14	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 18:14	
1,1-Dichloroethene	0.50 J	1.0	0.28	1	11/06/18 18:14	
Acetone	2.1 J	5.0	2.1	1	11/06/18 18:14	
Carbon Disulfide	0.41 J	1.0	0.31	1	11/06/18 18:14	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 18:14	
trans-1,2-Dichloroethene	1.2	1.0	0.26	1	11/06/18 18:14	
1,1-Dichloroethane	8.1	1.0	0.20	1	11/06/18 18:14	
cis-1,2-Dichloroethene	56	1.0	0.26	1	11/06/18 18:14	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 18:14	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 18:14	
1,1,1-Trichloroethane	18	1.0	0.25	1	11/06/18 18:14	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 18:14	
Benzene	1.0 U	1.0	0.20	1	11/06/18 18:14	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 18:14	
Trichloroethene	1.3	1.0	0.20	1	11/06/18 18:14	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 18:14	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 18:14	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 18:14	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 18:14	
Toluene	1.0 U	1.0	0.20	1	11/06/18 18:14	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 18:14	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 18:14	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 18:14	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 18:14	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 18:14	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 18:14	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 18:14	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 18:14	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 18:14	
Styrene	1.0 U	1.0	0.20	1	11/06/18 18:14	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 18:14	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 18:14	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:05
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-13-181031
Lab Code: R1810579-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	11/06/18 18:14	
Toluene-d8	101	87 - 121	11/06/18 18:14	
Dibromofluoromethane	107	89 - 119	11/06/18 18:14	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:25
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-8-181031
Lab Code: R1810579-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 18:36	
Vinyl Chloride	27	1.0	0.22	1	11/06/18 18:36	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 18:36	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 18:36	
1,1-Dichloroethene	0.36 J	1.0	0.28	1	11/06/18 18:36	
Acetone	5.0 U	5.0	2.1	1	11/06/18 18:36	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 18:36	
Methylene Chloride	9.2	1.0	0.47	1	11/06/18 18:36	
trans-1,2-Dichloroethene	0.54 J	1.0	0.26	1	11/06/18 18:36	
1,1-Dichloroethane	2.2	1.0	0.20	1	11/06/18 18:36	
cis-1,2-Dichloroethene	80	1.0	0.26	1	11/06/18 18:36	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 18:36	
Chloroform	1.0	1.0	0.28	1	11/06/18 18:36	
1,1,1-Trichloroethane	2.1	1.0	0.25	1	11/06/18 18:36	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 18:36	
Benzene	1.0 U	1.0	0.20	1	11/06/18 18:36	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 18:36	
Trichloroethene	3.1	1.0	0.20	1	11/06/18 18:36	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 18:36	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 18:36	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 18:36	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 18:36	
Toluene	1.0 U	1.0	0.20	1	11/06/18 18:36	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 18:36	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 18:36	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 18:36	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 18:36	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 18:36	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 18:36	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 18:36	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 18:36	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 18:36	
Styrene	1.0 U	1.0	0.20	1	11/06/18 18:36	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 18:36	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 18:36	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:25
Date Received: 10/31/18 15:40

Sample Name: BAT-EW-8-181031
Lab Code: R1810579-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	11/06/18 18:36	
Toluene-d8	100	87 - 121	11/06/18 18:36	
Dibromofluoromethane	103	89 - 119	11/06/18 18:36	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:45
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-12-181031
Lab Code: R1810579-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 07:07	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 07:07	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 07:07	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 07:07	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 07:07	
Acetone	5.0 U	5.0	2.1	1	11/09/18 07:07	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 07:07	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 07:07	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 07:07	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 07:07	
cis-1,2-Dichloroethene	0.72 J	1.0	0.26	1	11/09/18 07:07	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 07:07	
Chloroform	1.0 U	1.0	0.28	1	11/09/18 07:07	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 07:07	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 07:07	
Benzene	1.0 U	1.0	0.20	1	11/09/18 07:07	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 07:07	
Trichloroethene	1.4	1.0	0.20	1	11/09/18 07:07	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 07:07	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 07:07	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 07:07	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 07:07	
Toluene	1.0 U	1.0	0.20	1	11/09/18 07:07	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 07:07	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 07:07	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 07:07	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 07:07	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 07:07	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 07:07	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 07:07	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 07:07	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 07:07	
Styrene	1.0 U	1.0	0.20	1	11/09/18 07:07	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 07:07	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 07:07	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 08:45
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-12-181031
Lab Code: R1810579-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	11/09/18 07:07	
Toluene-d8	104	87 - 121	11/09/18 07:07	
Dibromofluoromethane	102	89 - 119	11/09/18 07:07	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 09:25
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-11-181031
Lab Code: R1810579-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 13:48	
Vinyl Chloride	0.53 J	1.0	0.22	1	11/09/18 13:48	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 13:48	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 13:48	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 13:48	
Acetone	2.7 J	5.0	2.1	1	11/09/18 13:48	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 13:48	
Methylene Chloride	0.77 J	1.0	0.47	1	11/09/18 13:48	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 13:48	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 13:48	
cis-1,2-Dichloroethene	11	1.0	0.26	1	11/09/18 13:48	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 13:48	
Chloroform	1.0 U	1.0	0.28	1	11/09/18 13:48	
1,1,1-Trichloroethane	0.31 J	1.0	0.25	1	11/09/18 13:48	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 13:48	
Benzene	1.0 U	1.0	0.20	1	11/09/18 13:48	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 13:48	
Trichloroethene	35	1.0	0.20	1	11/09/18 13:48	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 13:48	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 13:48	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 13:48	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 13:48	
Toluene	1.0 U	1.0	0.20	1	11/09/18 13:48	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 13:48	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 13:48	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 13:48	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 13:48	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 13:48	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 13:48	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 13:48	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 13:48	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 13:48	
Styrene	1.0 U	1.0	0.20	1	11/09/18 13:48	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 13:48	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 13:48	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 09:25
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-11-181031
Lab Code: R1810579-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/09/18 13:48	
Toluene-d8	105	87 - 121	11/09/18 13:48	
Dibromofluoromethane	99	89 - 119	11/09/18 13:48	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 09:10
Date Received: 10/31/18 15:40

Sample Name: BAT-87-10(0)-181031
Lab Code: R1810579-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 19:19	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 19:19	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 19:19	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 19:19	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 19:19	
Acetone	5.0 U	5.0	2.1	1	11/06/18 19:19	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 19:19	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 19:19	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 19:19	
1,1-Dichloroethane	1.3	1.0	0.20	1	11/06/18 19:19	
cis-1,2-Dichloroethene	6.0	1.0	0.26	1	11/06/18 19:19	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 19:19	
Chloroform	1.1	1.0	0.28	1	11/06/18 19:19	
1,1,1-Trichloroethane	0.44 J	1.0	0.25	1	11/06/18 19:19	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 19:19	
Benzene	1.0 U	1.0	0.20	1	11/06/18 19:19	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 19:19	
Trichloroethene	1.1	1.0	0.20	1	11/06/18 19:19	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 19:19	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 19:19	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 19:19	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 19:19	
Toluene	1.0 U	1.0	0.20	1	11/06/18 19:19	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 19:19	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 19:19	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 19:19	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 19:19	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 19:19	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 19:19	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 19:19	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 19:19	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 19:19	
Styrene	1.0 U	1.0	0.20	1	11/06/18 19:19	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 19:19	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 19:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 09:10
Date Received: 10/31/18 15:40

Sample Name: BAT-87-10(0)-181031
Lab Code: R1810579-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/06/18 19:19	
Toluene-d8	97	87 - 121	11/06/18 19:19	
Dibromofluoromethane	97	89 - 119	11/06/18 19:19	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:05
Date Received: 10/31/18 15:40

Sample Name: BAT-89-15(1)-181031
Lab Code: R1810579-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 19:41	
Vinyl Chloride	190 D	2.5	0.55	2.5	11/09/18 03:31	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 19:41	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 19:41	
1,1-Dichloroethene	1.8	1.0	0.28	1	11/06/18 19:41	
Acetone	5.0 U	5.0	2.1	1	11/06/18 19:41	
Carbon Disulfide	200	1.0	0.31	1	11/06/18 19:41	
Methylene Chloride	380 D	2.5	1.2	2.5	11/09/18 03:31	
trans-1,2-Dichloroethene	4.2	1.0	0.26	1	11/06/18 19:41	
1,1-Dichloroethane	9.3	1.0	0.20	1	11/06/18 19:41	
cis-1,2-Dichloroethene	290 D	2.5	0.65	2.5	11/09/18 03:31	
2-Butanone (MEK)	2.8 J	5.0	0.78	1	11/06/18 19:41	
Chloroform	1.9	1.0	0.28	1	11/06/18 19:41	
1,1,1-Trichloroethane	1.7	1.0	0.25	1	11/06/18 19:41	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 19:41	
Benzene	0.34 J	1.0	0.20	1	11/06/18 19:41	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 19:41	
Trichloroethene	130	1.0	0.20	1	11/06/18 19:41	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 19:41	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 19:41	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 19:41	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 19:41	
Toluene	0.47 J	1.0	0.20	1	11/06/18 19:41	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 19:41	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 19:41	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 19:41	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 19:41	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 19:41	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 19:41	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 19:41	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 19:41	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 19:41	
Styrene	1.0 U	1.0	0.20	1	11/06/18 19:41	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 19:41	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 19:41	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:05
Date Received: 10/31/18 15:40

Sample Name: BAT-89-15(1)-181031
Lab Code: R1810579-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	11/06/18 19:41	
Toluene-d8	106	87 - 121	11/06/18 19:41	
Dibromofluoromethane	103	89 - 119	11/06/18 19:41	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:15
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-10-181031
Lab Code: R1810579-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.5 U	2.5	0.70	2.5	11/09/18 17:47	
Vinyl Chloride	6.2	2.5	0.55	2.5	11/09/18 17:47	
Chloroethane	2.5 U	2.5	0.58	2.5	11/09/18 17:47	
Bromomethane	2.5 U	2.5	1.8	2.5	11/09/18 17:47	
1,1-Dichloroethene	0.73 J	2.5	0.70	2.5	11/09/18 17:47	
Acetone	18	13	5.3	2.5	11/09/18 17:47	
Carbon Disulfide	2.5	2.5	0.78	2.5	11/09/18 17:47	
Methylene Chloride	390	2.5	1.2	2.5	11/09/18 17:47	
trans-1,2-Dichloroethene	2.5 U	2.5	0.65	2.5	11/09/18 17:47	
1,1-Dichloroethane	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
cis-1,2-Dichloroethene	15	2.5	0.65	2.5	11/09/18 17:47	
2-Butanone (MEK)	10 J	13	2.0	2.5	11/09/18 17:47	
Chloroform	1.1 J	2.5	0.70	2.5	11/09/18 17:47	
1,1,1-Trichloroethane	2.5 U	2.5	0.63	2.5	11/09/18 17:47	
Carbon Tetrachloride	2.5 U	2.5	0.85	2.5	11/09/18 17:47	
Benzene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
1,2-Dichloroethane	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Trichloroethene	100	2.5	0.50	2.5	11/09/18 17:47	
1,2-Dichloropropane	2.5 U	2.5	0.53	2.5	11/09/18 17:47	
Bromodichloromethane	2.5 U	2.5	0.78	2.5	11/09/18 17:47	
cis-1,3-Dichloropropene	2.5 U	2.5	0.75	2.5	11/09/18 17:47	
4-Methyl-2-pentanone (MIBK)	13 U	13	0.73	2.5	11/09/18 17:47	
Toluene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
trans-1,3-Dichloropropene	2.5 U	2.5	0.75	2.5	11/09/18 17:47	
1,1,2-Trichloroethane	2.5 U	2.5	0.63	2.5	11/09/18 17:47	
Tetrachloroethene	2.5 U	2.5	0.70	2.5	11/09/18 17:47	
2-Hexanone	21	13	0.85	2.5	11/09/18 17:47	
Dibromochloromethane	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Chlorobenzene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Ethylbenzene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
m,p-Xylenes	5.0 U	5.0	0.53	2.5	11/09/18 17:47	
o-Xylene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Styrene	2.5 U	2.5	0.50	2.5	11/09/18 17:47	
Bromoform	2.5 U	2.5	0.90	2.5	11/09/18 17:47	
1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.50	2.5	11/09/18 17:47	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:15
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-10-181031
Lab Code: R1810579-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	11/09/18 17:47	
Toluene-d8	102	87 - 121	11/09/18 17:47	
Dibromofluoromethane	104	89 - 119	11/09/18 17:47	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-13(3)-181031
Lab Code: R1810579-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	500 U	500	140	500	11/09/18 14:53	
Vinyl Chloride	2800	500	110	500	11/09/18 14:53	
Chloroethane	500 U	500	120	500	11/09/18 14:53	
Bromomethane	500 U	500	350	500	11/09/18 14:53	
1,1-Dichloroethane	500 U	500	140	500	11/09/18 14:53	
Acetone	2500 U	2500	1100	500	11/09/18 14:53	
Carbon Disulfide	340 J	500	160	500	11/09/18 14:53	
Methylene Chloride	280 J	500	240	500	11/09/18 14:53	
trans-1,2-Dichloroethene	510	500	130	500	11/09/18 14:53	
1,1-Dichloroethane	500 U	500	100	500	11/09/18 14:53	
cis-1,2-Dichloroethene	46000	500	130	500	11/09/18 14:53	
2-Butanone (MEK)	2500 U	2500	390	500	11/09/18 14:53	
Chloroform	480 J	500	140	500	11/09/18 14:53	
1,1,1-Trichloroethane	500 U	500	130	500	11/09/18 14:53	
Carbon Tetrachloride	500 U	500	170	500	11/09/18 14:53	
Benzene	500 U	500	100	500	11/09/18 14:53	
1,2-Dichloroethane	500 U	500	100	500	11/09/18 14:53	
Trichloroethene	620	500	100	500	11/09/18 14:53	
1,2-Dichloropropane	500 U	500	110	500	11/09/18 14:53	
Bromodichloromethane	500 U	500	160	500	11/09/18 14:53	
cis-1,3-Dichloropropene	500 U	500	150	500	11/09/18 14:53	
4-Methyl-2-pentanone (MIBK)	2500 U	2500	150	500	11/09/18 14:53	
Toluene	500 U	500	100	500	11/09/18 14:53	
trans-1,3-Dichloropropene	500 U	500	150	500	11/09/18 14:53	
1,1,2-Trichloroethane	500 U	500	130	500	11/09/18 14:53	
Tetrachloroethene	500 U	500	140	500	11/09/18 14:53	
2-Hexanone	2500 U	2500	170	500	11/09/18 14:53	
Dibromochloromethane	500 U	500	100	500	11/09/18 14:53	
Chlorobenzene	500 U	500	100	500	11/09/18 14:53	
Ethylbenzene	500 U	500	100	500	11/09/18 14:53	
m,p-Xylenes	1000 U	1000	110	500	11/09/18 14:53	
o-Xylene	500 U	500	100	500	11/09/18 14:53	
Styrene	500 U	500	100	500	11/09/18 14:53	
Bromoform	500 U	500	180	500	11/09/18 14:53	
1,1,2,2-Tetrachloroethane	500 U	500	100	500	11/09/18 14:53	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 10:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-13(3)-181031
Lab Code: R1810579-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/09/18 14:53	
Toluene-d8	103	87 - 121	11/09/18 14:53	
Dibromofluoromethane	99	89 - 119	11/09/18 14:53	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 11:20
Date Received: 10/31/18 15:40

Sample Name: BAT-87-14(0)-181031
Lab Code: R1810579-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 02:26	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 02:26	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 02:26	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 02:26	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 02:26	
Acetone	2.5 J	5.0	2.1	1	11/09/18 02:26	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 02:26	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 02:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 02:26	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 02:26	
cis-1,2-Dichloroethene	0.57 J	1.0	0.26	1	11/09/18 02:26	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 02:26	
Chloroform	0.46 J	1.0	0.28	1	11/09/18 02:26	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 02:26	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 02:26	
Benzene	1.0 U	1.0	0.20	1	11/09/18 02:26	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 02:26	
Trichloroethene	97	1.0	0.20	1	11/09/18 02:26	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 02:26	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 02:26	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 02:26	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 02:26	
Toluene	0.21 J	1.0	0.20	1	11/09/18 02:26	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 02:26	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 02:26	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 02:26	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 02:26	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 02:26	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 02:26	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 02:26	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 02:26	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 02:26	
Styrene	1.0 U	1.0	0.20	1	11/09/18 02:26	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 02:26	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 02:26	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 11:20
Date Received: 10/31/18 15:40

Sample Name: BAT-87-14(0)-181031
Lab Code: R1810579-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	11/09/18 02:26	
Toluene-d8	102	87 - 121	11/09/18 02:26	
Dibromofluoromethane	99	89 - 119	11/09/18 02:26	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 11:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-08(1)-181031
Lab Code: R1810579-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	10 U	10	2.8	10	11/09/18 04:36	
Vinyl Chloride	810	10	2.2	10	11/09/18 04:36	
Chloroethane	10 U	10	2.3	10	11/09/18 04:36	
Bromomethane	10 U	10	7.0	10	11/09/18 04:36	
1,1-Dichloroethene	6.2 J	10	2.8	10	11/09/18 04:36	
Acetone	50 U	50	21	10	11/09/18 04:36	
Carbon Disulfide	61	10	3.1	10	11/09/18 04:36	
Methylene Chloride	290	10	4.7	10	11/09/18 04:36	
trans-1,2-Dichloroethene	8.8 J	10	2.6	10	11/09/18 04:36	
1,1-Dichloroethane	24	10	2.0	10	11/09/18 04:36	
cis-1,2-Dichloroethene	660	10	2.6	10	11/09/18 04:36	
2-Butanone (MEK)	50 U	50	7.8	10	11/09/18 04:36	
Chloroform	10 U	10	2.8	10	11/09/18 04:36	
1,1,1-Trichloroethane	8.5 J	10	2.5	10	11/09/18 04:36	
Carbon Tetrachloride	10 U	10	3.4	10	11/09/18 04:36	
Benzene	10 U	10	2.0	10	11/09/18 04:36	
1,2-Dichloroethane	10 U	10	2.0	10	11/09/18 04:36	
Trichloroethene	46	10	2.0	10	11/09/18 04:36	
1,2-Dichloropropane	10 U	10	2.1	10	11/09/18 04:36	
Bromodichloromethane	10 U	10	3.1	10	11/09/18 04:36	
cis-1,3-Dichloropropene	10 U	10	3.0	10	11/09/18 04:36	
4-Methyl-2-pentanone (MIBK)	50 U	50	2.9	10	11/09/18 04:36	
Toluene	10 U	10	2.0	10	11/09/18 04:36	
trans-1,3-Dichloropropene	10 U	10	3.0	10	11/09/18 04:36	
1,1,2-Trichloroethane	10 U	10	2.5	10	11/09/18 04:36	
Tetrachloroethene	10 U	10	2.8	10	11/09/18 04:36	
2-Hexanone	50 U	50	3.4	10	11/09/18 04:36	
Dibromochloromethane	10 U	10	2.0	10	11/09/18 04:36	
Chlorobenzene	10 U	10	2.0	10	11/09/18 04:36	
Ethylbenzene	10 U	10	2.0	10	11/09/18 04:36	
m,p-Xylenes	20 U	20	2.1	10	11/09/18 04:36	
o-Xylene	10 U	10	2.0	10	11/09/18 04:36	
Styrene	10 U	10	2.0	10	11/09/18 04:36	
Bromoform	10 U	10	3.6	10	11/09/18 04:36	
1,1,2,2-Tetrachloroethane	10 U	10	2.0	10	11/09/18 04:36	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 11:45
Date Received: 10/31/18 15:40

Sample Name: BAT-87-08(1)-181031
Lab Code: R1810579-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/09/18 04:36	
Toluene-d8	105	87 - 121	11/09/18 04:36	
Dibromofluoromethane	106	89 - 119	11/09/18 04:36	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: BAT-DUP-2-181031
Lab Code: R1810579-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 03:09	
Vinyl Chloride	19	1.0	0.22	1	11/09/18 03:09	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 03:09	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 03:09	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 03:09	
Acetone	5.0 U	5.0	2.1	1	11/09/18 03:09	
Carbon Disulfide	0.34 J	1.0	0.31	1	11/09/18 03:09	
Methylene Chloride	7.5	1.0	0.47	1	11/09/18 03:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 03:09	
1,1-Dichloroethane	1.9	1.0	0.20	1	11/09/18 03:09	
cis-1,2-Dichloroethene	60	1.0	0.26	1	11/09/18 03:09	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 03:09	
Chloroform	1.0	1.0	0.28	1	11/09/18 03:09	
1,1,1-Trichloroethane	1.8	1.0	0.25	1	11/09/18 03:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 03:09	
Benzene	1.0 U	1.0	0.20	1	11/09/18 03:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 03:09	
Trichloroethene	2.7	1.0	0.20	1	11/09/18 03:09	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 03:09	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 03:09	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 03:09	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 03:09	
Toluene	1.0 U	1.0	0.20	1	11/09/18 03:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 03:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 03:09	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 03:09	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 03:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 03:09	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 03:09	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 03:09	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 03:09	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 03:09	
Styrene	1.0 U	1.0	0.20	1	11/09/18 03:09	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 03:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 03:09	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: BAT-DUP-2-181031
Lab Code: R1810579-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	11/09/18 03:09	
Toluene-d8	101	87 - 121	11/09/18 03:09	
Dibromofluoromethane	102	89 - 119	11/09/18 03:09	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 12:00
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-9-181031
Lab Code: R1810579-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 14:10	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 14:10	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 14:10	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 14:10	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 14:10	
Acetone	5.0 U	5.0	2.1	1	11/09/18 14:10	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 14:10	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 14:10	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 14:10	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 14:10	
cis-1,2-Dichloroethene	3.3	1.0	0.26	1	11/09/18 14:10	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 14:10	
Chloroform	1.2	1.0	0.28	1	11/09/18 14:10	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 14:10	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 14:10	
Benzene	1.0 U	1.0	0.20	1	11/09/18 14:10	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 14:10	
Trichloroethene	16	1.0	0.20	1	11/09/18 14:10	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 14:10	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 14:10	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 14:10	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 14:10	
Toluene	1.0 U	1.0	0.20	1	11/09/18 14:10	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 14:10	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 14:10	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 14:10	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 14:10	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 14:10	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 14:10	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 14:10	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 14:10	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 14:10	
Styrene	1.0 U	1.0	0.20	1	11/09/18 14:10	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 14:10	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 14:10	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 12:00
Date Received: 10/31/18 15:40

Sample Name: BAT-DW-9-181031
Lab Code: R1810579-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/09/18 14:10	
Toluene-d8	103	87 - 121	11/09/18 14:10	
Dibromofluoromethane	101	89 - 119	11/09/18 14:10	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 12:15
Date Received: 10/31/18 15:40

Sample Name: BAT-B-8(0)-181031
Lab Code: R1810579-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 13:26	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 13:26	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 13:26	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 13:26	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 13:26	
Acetone	3.1 J	5.0	2.1	1	11/09/18 13:26	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 13:26	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 13:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 13:26	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 13:26	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 13:26	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 13:26	
Chloroform	1.0 U	1.0	0.28	1	11/09/18 13:26	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 13:26	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 13:26	
Benzene	1.0 U	1.0	0.20	1	11/09/18 13:26	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 13:26	
Trichloroethene	1.0 U	1.0	0.20	1	11/09/18 13:26	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 13:26	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 13:26	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 13:26	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 13:26	
Toluene	1.0 U	1.0	0.20	1	11/09/18 13:26	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 13:26	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 13:26	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 13:26	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 13:26	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 13:26	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 13:26	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 13:26	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 13:26	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 13:26	
Styrene	1.0 U	1.0	0.20	1	11/09/18 13:26	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 13:26	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 13:26	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 12:15
Date Received: 10/31/18 15:40

Sample Name: BAT-B-8(0)-181031
Lab Code: R1810579-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/09/18 13:26	
Toluene-d8	102	87 - 121	11/09/18 13:26	
Dibromofluoromethane	102	89 - 119	11/09/18 13:26	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 13:15
Date Received: 10/31/18 15:40

Sample Name: BAT-87-17(1)-181031
Lab Code: R1810579-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	2.0 U	2.0	0.56	2	11/06/18 13:32	
Vinyl Chloride	260	2.0	0.44	2	11/06/18 13:32	
Chloroethane	2.0 U	2.0	0.46	2	11/06/18 13:32	
Bromomethane	2.0 U	2.0	1.4	2	11/06/18 13:32	
1,1-Dichloroethene	1.3 J	2.0	0.56	2	11/06/18 13:32	
Acetone	10 U	10	4.2	2	11/06/18 13:32	
Carbon Disulfide	0.85 J	2.0	0.62	2	11/06/18 13:32	
Methylene Chloride	2.0 U	2.0	0.94	2	11/06/18 13:32	
trans-1,2-Dichloroethene	2.4	2.0	0.52	2	11/06/18 13:32	
1,1-Dichloroethane	20	2.0	0.40	2	11/06/18 13:32	
cis-1,2-Dichloroethene	110	2.0	0.52	2	11/06/18 13:32	
2-Butanone (MEK)	10 U	10	1.6	2	11/06/18 13:32	
Chloroform	2.0 U	2.0	0.56	2	11/06/18 13:32	
1,1,1-Trichloroethane	72	2.0	0.50	2	11/06/18 13:32	
Carbon Tetrachloride	2.0 U	2.0	0.68	2	11/06/18 13:32	
Benzene	2.0 U	2.0	0.40	2	11/06/18 13:32	
1,2-Dichloroethane	2.0 U	2.0	0.40	2	11/06/18 13:32	
Trichloroethene	5.1	2.0	0.40	2	11/06/18 13:32	
1,2-Dichloropropane	2.0 U	2.0	0.42	2	11/06/18 13:32	
Bromodichloromethane	2.0 U	2.0	0.62	2	11/06/18 13:32	
cis-1,3-Dichloropropene	2.0 U	2.0	0.60	2	11/06/18 13:32	
4-Methyl-2-pentanone (MIBK)	10 U	10	0.58	2	11/06/18 13:32	
Toluene	2.0 U	2.0	0.40	2	11/06/18 13:32	
trans-1,3-Dichloropropene	2.0 U	2.0	0.60	2	11/06/18 13:32	
1,1,2-Trichloroethane	2.0 U	2.0	0.50	2	11/06/18 13:32	
Tetrachloroethene	2.0 U	2.0	0.56	2	11/06/18 13:32	
2-Hexanone	10 U	10	0.68	2	11/06/18 13:32	
Dibromochloromethane	2.0 U	2.0	0.40	2	11/06/18 13:32	
Chlorobenzene	2.0 U	2.0	0.40	2	11/06/18 13:32	
Ethylbenzene	2.0 U	2.0	0.40	2	11/06/18 13:32	
m,p-Xylenes	4.0 U	4.0	0.42	2	11/06/18 13:32	
o-Xylene	2.0 U	2.0	0.40	2	11/06/18 13:32	
Styrene	2.0 U	2.0	0.40	2	11/06/18 13:32	
Bromoform	2.0 U	2.0	0.72	2	11/06/18 13:32	
1,1,2,2-Tetrachloroethane	2.0 U	2.0	0.40	2	11/06/18 13:32	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18 13:15
Date Received: 10/31/18 15:40

Sample Name: BAT-87-17(1)-181031
Lab Code: R1810579-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	11/06/18 13:32	
Toluene-d8	109	87 - 121	11/06/18 13:32	
Dibromofluoromethane	109	89 - 119	11/06/18 13:32	

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dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: Trip Blank 1
Lab Code: R1810579-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 12:49	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 12:49	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 12:49	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 12:49	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 12:49	
Acetone	2.5 J	5.0	2.1	1	11/06/18 12:49	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 12:49	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 12:49	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 12:49	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 12:49	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 12:49	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 12:49	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 12:49	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 12:49	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 12:49	
Benzene	1.0 U	1.0	0.20	1	11/06/18 12:49	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 12:49	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 12:49	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 12:49	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 12:49	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 12:49	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 12:49	
Toluene	1.0 U	1.0	0.20	1	11/06/18 12:49	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 12:49	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 12:49	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 12:49	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 12:49	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 12:49	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 12:49	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 12:49	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 12:49	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 12:49	
Styrene	1.0 U	1.0	0.20	1	11/06/18 12:49	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 12:49	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 12:49	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: Trip Blank 1
Lab Code: R1810579-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	11/06/18 12:49	
Toluene-d8	110	87 - 121	11/06/18 12:49	
Dibromofluoromethane	111	89 - 119	11/06/18 12:49	

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: Trip Blank 2
Lab Code: R1810579-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 13:11	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 13:11	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 13:11	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 13:11	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 13:11	
Acetone	2.7 J	5.0	2.1	1	11/06/18 13:11	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 13:11	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 13:11	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 13:11	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 13:11	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 13:11	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 13:11	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 13:11	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 13:11	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 13:11	
Benzene	1.0 U	1.0	0.20	1	11/06/18 13:11	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 13:11	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 13:11	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 13:11	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 13:11	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 13:11	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 13:11	
Toluene	1.0 U	1.0	0.20	1	11/06/18 13:11	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 13:11	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 13:11	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 13:11	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 13:11	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 13:11	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 13:11	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 13:11	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 13:11	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 13:11	
Styrene	1.0 U	1.0	0.20	1	11/06/18 13:11	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 13:11	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 13:11	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18 15:40

Sample Name: Trip Blank 2
Lab Code: R1810579-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/06/18 13:11	
Toluene-d8	102	87 - 121	11/06/18 13:11	
Dibromofluoromethane	102	89 - 119	11/06/18 13:11	



QC Summary Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Toluene-d8	Dibromofluoromethane
		85-122	87-121	89-119
BAT-EW-7-181031	R1810579-001	98	104	98
BAT-EW-13-181031	R1810579-002	101	101	107
BAT-EW-8-181031	R1810579-003	98	100	103
BAT-DW-12-181031	R1810579-004	99	104	102
BAT-DW-11-181031	R1810579-005	100	105	99
BAT-87-10(0)-181031	R1810579-006	97	97	97
BAT-89-15(1)-181031	R1810579-007	105	106	103
BAT-DW-10-181031	R1810579-008	98	102	104
BAT-87-13(3)-181031	R1810579-009	100	103	99
BAT-87-14(0)-181031	R1810579-010	99	102	99
BAT-87-08(1)-181031	R1810579-011	100	105	106
BAT-DUP-2-181031	R1810579-012	93	101	102
BAT-DW-9-181031	R1810579-013	100	103	101
BAT-B-8(0)-181031	R1810579-014	97	102	102
BAT-87-17(1)-181031	R1810579-015	103	109	109
Trip Blank 1	R1810579-016	104	110	111
Trip Blank 2	R1810579-017	97	102	102
Method Blank	RQ1812179-04	99	95	101
Method Blank	RQ1812324-04	98	101	101
Method Blank	RQ1812337-04	97	100	100
Lab Control Sample	RQ1812179-03	92	102	106
Lab Control Sample	RQ1812324-03	103	102	105
Lab Control Sample	RQ1812337-03	103	103	104
BAT-87-17(1)-181031 MS	RQ1812179-05	102	107	105
BAT-87-17(1)-181031 DMS	RQ1812179-06	113	114	106

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: 10/31/18
Date Received: 10/31/18
Date Analyzed: 11/6/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: BAT-87-17(1)-181031
Lab Code: R1810579-015
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1812179-05				Duplicate Matrix Spike RQ1812179-06				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Chloromethane	2.0 U	110	100	110	108	100	108	55-160	2	30
Vinyl Chloride	260	359	100	99	343	100	82	74-159	5	30
Chloroethane	2.0 U	115	100	115	75.3	100	75	48-146	42*	30
Bromomethane	2.0 U	48.4	100	48	45.4	100	45	10-184	6	30
1,1-Dichloroethene	1.3 J	106	100	104	101	100	99	71-118	5	30
Acetone	10 U	109	100	109	108	100	108	35-183	<1	30
Carbon Disulfide	0.85 J	117	100	116	117	100	116	59-140	<1	30
Methylene Chloride	2.0 U	97.7	100	98	97.6	100	98	73-122	<1	30
trans-1,2-Dichloroethene	2.4	98.1	100	96	96.1	100	94	73-118	2	30
1,1-Dichloroethane	20	141	100	121	137	100	116	74-132	3	30
cis-1,2-Dichloroethene	110	207	100	101	200	100	94	77-127	4	30
2-Butanone (MEK)	10 U	122	100	122	119	100	119	61-137	3	30
Chloroform	2.0 U	107	100	107	101	100	101	75-130	6	30
1,1,1-Trichloroethane	72	186	100	113	178	100	105	74-127	4	30
Carbon Tetrachloride	2.0 U	104	100	104	108	100	108	65-135	3	30
Benzene	2.0 U	105	100	105	104	100	104	76-129	<1	30
1,2-Dichloroethane	2.0 U	106	100	106	109	100	109	68-130	3	30
Trichloroethene	5.1	99.2	100	94	98.1	100	93	74-122	1	30
1,2-Dichloropropane	2.0 U	104	100	104	104	100	104	79-124	<1	30
Bromodichloromethane	2.0 U	116	100	116	109	100	109	78-133	6	30
cis-1,3-Dichloropropene	2.0 U	117	100	117	112	100	112	52-134	5	30
4-Methyl-2-pentanone (MIBK)	10 U	134	100	134	137	100	137	60-141	2	30
Toluene	2.0 U	107	100	107	110	100	110	79-119	2	30
trans-1,3-Dichloropropene	2.0 U	113	100	113	117	100	117	71-133	4	30
1,1,2-Trichloroethane	2.0 U	103	100	103	105	100	105	82-121	2	30
Tetrachloroethene	2.0 U	104	100	104	97.3	100	97	72-125	6	30
2-Hexanone	10 U	129	100	129	120	100	120	56-132	7	30
Dibromochloromethane	2.0 U	99.0	100	99	101	100	101	72-128	2	30
Chlorobenzene	2.0 U	94.5	100	94	94.4	100	94	76-125	<1	30
Ethylbenzene	2.0 U	103	100	103	101	100	101	72-134	2	30
m,p-Xylenes	4.0 U	201	200	100	202	200	101	80-126	<1	30
o-Xylene	2.0 U	99.5	100	100	98.9	100	99	79-123	<1	30
Styrene	2.0 U	107	100	107	103	100	103	74-136	3	30
Bromoform	2.0 U	92.7	100	93	99.3	100	99	58-133	7	30
1,1,2,2-Tetrachloroethane	2.0 U	100	100	100	101	100	101	72-122	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812179-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/06/18 12:20	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/06/18 12:20	
Chloroethane	1.0 U	1.0	0.23	1	11/06/18 12:20	
Bromomethane	1.0 U	1.0	0.70	1	11/06/18 12:20	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/06/18 12:20	
Acetone	5.0 U	5.0	2.1	1	11/06/18 12:20	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/06/18 12:20	
Methylene Chloride	1.0 U	1.0	0.47	1	11/06/18 12:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 12:20	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 12:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/06/18 12:20	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/06/18 12:20	
Chloroform	1.0 U	1.0	0.28	1	11/06/18 12:20	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 12:20	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/06/18 12:20	
Benzene	1.0 U	1.0	0.20	1	11/06/18 12:20	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/06/18 12:20	
Trichloroethene	1.0 U	1.0	0.20	1	11/06/18 12:20	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/06/18 12:20	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/06/18 12:20	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 12:20	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/06/18 12:20	
Toluene	1.0 U	1.0	0.20	1	11/06/18 12:20	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/06/18 12:20	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/06/18 12:20	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/06/18 12:20	
2-Hexanone	5.0 U	5.0	0.34	1	11/06/18 12:20	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/06/18 12:20	
Chlorobenzene	1.0 U	1.0	0.20	1	11/06/18 12:20	
Ethylbenzene	1.0 U	1.0	0.20	1	11/06/18 12:20	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/06/18 12:20	
o-Xylene	1.0 U	1.0	0.20	1	11/06/18 12:20	
Styrene	1.0 U	1.0	0.20	1	11/06/18 12:20	
Bromoform	1.0 U	1.0	0.36	1	11/06/18 12:20	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/06/18 12:20	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812179-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	11/06/18 12:20	
Toluene-d8	95	87 - 121	11/06/18 12:20	
Dibromofluoromethane	101	89 - 119	11/06/18 12:20	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812324-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/08/18 23:32	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/08/18 23:32	
Chloroethane	1.0 U	1.0	0.23	1	11/08/18 23:32	
Bromomethane	1.0 U	1.0	0.70	1	11/08/18 23:32	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/08/18 23:32	
Acetone	5.0 U	5.0	2.1	1	11/08/18 23:32	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/08/18 23:32	
Methylene Chloride	1.0 U	1.0	0.47	1	11/08/18 23:32	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 23:32	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 23:32	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/08/18 23:32	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/08/18 23:32	
Chloroform	1.0 U	1.0	0.28	1	11/08/18 23:32	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 23:32	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/08/18 23:32	
Benzene	1.0 U	1.0	0.20	1	11/08/18 23:32	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/08/18 23:32	
Trichloroethene	1.0 U	1.0	0.20	1	11/08/18 23:32	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/08/18 23:32	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/08/18 23:32	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 23:32	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/08/18 23:32	
Toluene	1.0 U	1.0	0.20	1	11/08/18 23:32	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/08/18 23:32	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/08/18 23:32	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/08/18 23:32	
2-Hexanone	5.0 U	5.0	0.34	1	11/08/18 23:32	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/08/18 23:32	
Chlorobenzene	1.0 U	1.0	0.20	1	11/08/18 23:32	
Ethylbenzene	1.0 U	1.0	0.20	1	11/08/18 23:32	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/08/18 23:32	
o-Xylene	1.0 U	1.0	0.20	1	11/08/18 23:32	
Styrene	1.0 U	1.0	0.20	1	11/08/18 23:32	
Bromoform	1.0 U	1.0	0.36	1	11/08/18 23:32	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/08/18 23:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812324-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	11/08/18 23:32	
Toluene-d8	101	87 - 121	11/08/18 23:32	
Dibromofluoromethane	101	89 - 119	11/08/18 23:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812337-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	1.0 U	1.0	0.28	1	11/09/18 11:09	
Vinyl Chloride	1.0 U	1.0	0.22	1	11/09/18 11:09	
Chloroethane	1.0 U	1.0	0.23	1	11/09/18 11:09	
Bromomethane	1.0 U	1.0	0.70	1	11/09/18 11:09	
1,1-Dichloroethene	1.0 U	1.0	0.28	1	11/09/18 11:09	
Acetone	5.0 U	5.0	2.1	1	11/09/18 11:09	
Carbon Disulfide	1.0 U	1.0	0.31	1	11/09/18 11:09	
Methylene Chloride	1.0 U	1.0	0.47	1	11/09/18 11:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 11:09	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 11:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.26	1	11/09/18 11:09	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	11/09/18 11:09	
Chloroform	1.0 U	1.0	0.28	1	11/09/18 11:09	
1,1,1-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 11:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	11/09/18 11:09	
Benzene	1.0 U	1.0	0.20	1	11/09/18 11:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	11/09/18 11:09	
Trichloroethene	1.0 U	1.0	0.20	1	11/09/18 11:09	
1,2-Dichloropropane	1.0 U	1.0	0.21	1	11/09/18 11:09	
Bromodichloromethane	1.0 U	1.0	0.31	1	11/09/18 11:09	
cis-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 11:09	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.29	1	11/09/18 11:09	
Toluene	1.0 U	1.0	0.20	1	11/09/18 11:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.30	1	11/09/18 11:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.25	1	11/09/18 11:09	
Tetrachloroethene	1.0 U	1.0	0.28	1	11/09/18 11:09	
2-Hexanone	5.0 U	5.0	0.34	1	11/09/18 11:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	11/09/18 11:09	
Chlorobenzene	1.0 U	1.0	0.20	1	11/09/18 11:09	
Ethylbenzene	1.0 U	1.0	0.20	1	11/09/18 11:09	
m,p-Xylenes	2.0 U	2.0	0.21	1	11/09/18 11:09	
o-Xylene	1.0 U	1.0	0.20	1	11/09/18 11:09	
Styrene	1.0 U	1.0	0.20	1	11/09/18 11:09	
Bromoform	1.0 U	1.0	0.36	1	11/09/18 11:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	11/09/18 11:09	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812337-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/09/18 11:09	
Toluene-d8	100	87 - 121	11/09/18 11:09	
Dibromofluoromethane	100	89 - 119	11/09/18 11:09	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/06/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812179-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	21.1	20.0	105	65-135
Vinyl Chloride	8260C	18.8	20.0	94	74-159
Chloroethane	8260C	13.6	20.0	68	62-131
Bromomethane	8260C	11.8	20.0	59	42-166
1,1-Dichloroethene	8260C	18.0	20.0	90	71-118
Acetone	8260C	16.1	20.0	81	40-161
Carbon Disulfide	8260C	18.4	20.0	92	66-128
Methylene Chloride	8260C	17.5	20.0	88	73-122
trans-1,2-Dichloroethene	8260C	17.8	20.0	89	73-118
1,1-Dichloroethane	8260C	21.7	20.0	108	80-124
cis-1,2-Dichloroethene	8260C	18.5	20.0	93	80-121
2-Butanone (MEK)	8260C	22.4	20.0	112	61-137
Chloroform	8260C	20.2	20.0	101	79-120
1,1,1-Trichloroethane	8260C	20.5	20.0	103	75-125
Carbon Tetrachloride	8260C	18.7	20.0	94	70-127
Benzene	8260C	20.5	20.0	102	79-119
1,2-Dichloroethane	8260C	21.8	20.0	109	71-127
Trichloroethene	8260C	19.3	20.0	97	74-122
1,2-Dichloropropane	8260C	20.0	20.0	100	80-119
Bromodichloromethane	8260C	20.9	20.0	104	81-123
cis-1,3-Dichloropropene	8260C	20.3	20.0	101	77-122
4-Methyl-2-pentanone (MIBK)	8260C	21.0	20.0	105	66-124
Toluene	8260C	19.8	20.0	99	79-119
trans-1,3-Dichloropropene	8260C	20.2	20.0	101	71-133
1,1,2-Trichloroethane	8260C	19.1	20.0	96	82-121
Tetrachloroethene	8260C	19.5	20.0	98	72-125
2-Hexanone	8260C	19.6	20.0	98	63-124
Dibromochloromethane	8260C	18.3	20.0	92	72-128
Chlorobenzene	8260C	18.4	20.0	92	80-121
Ethylbenzene	8260C	19.2	20.0	96	76-120
m,p-Xylenes	8260C	38.6	40.0	96	80-126
o-Xylene	8260C	18.0	20.0	90	79-123
Styrene	8260C	18.7	20.0	94	80-124

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/06/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812179-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	18.6	20.0	93	65-146
1,1,2,2-Tetrachloroethane	8260C	18.3	20.0	91	78-126

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812324-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	21.8	20.0	109	65-135
Vinyl Chloride	8260C	19.5	20.0	97	74-159
Chloroethane	8260C	14.1	20.0	71	62-131
Bromomethane	8260C	14.6	20.0	73	42-166
1,1-Dichloroethene	8260C	19.1	20.0	96	71-118
Acetone	8260C	20.0	20.0	100	40-161
Carbon Disulfide	8260C	20.4	20.0	102	66-128
Methylene Chloride	8260C	20.3	20.0	102	73-122
trans-1,2-Dichloroethene	8260C	20.4	20.0	102	73-118
1,1-Dichloroethane	8260C	23.0	20.0	115	80-124
cis-1,2-Dichloroethene	8260C	19.0	20.0	95	80-121
2-Butanone (MEK)	8260C	26.1	20.0	131	61-137
Chloroform	8260C	21.0	20.0	105	79-120
1,1,1-Trichloroethane	8260C	20.6	20.0	103	75-125
Carbon Tetrachloride	8260C	17.7	20.0	88	70-127
Benzene	8260C	20.1	20.0	101	79-119
1,2-Dichloroethane	8260C	22.0	20.0	110	71-127
Trichloroethene	8260C	17.7	20.0	89	74-122
1,2-Dichloropropane	8260C	20.6	20.0	103	80-119
Bromodichloromethane	8260C	20.9	20.0	104	81-123
cis-1,3-Dichloropropene	8260C	20.2	20.0	101	77-122
4-Methyl-2-pentanone (MIBK)	8260C	24.5	20.0	123	66-124
Toluene	8260C	19.2	20.0	96	79-119
trans-1,3-Dichloropropene	8260C	20.1	20.0	101	71-133
1,1,2-Trichloroethane	8260C	19.1	20.0	95	82-121
Tetrachloroethene	8260C	17.8	20.0	89	72-125
2-Hexanone	8260C	23.4	20.0	117	63-124
Dibromochloromethane	8260C	17.9	20.0	90	72-128
Chlorobenzene	8260C	18.0	20.0	90	80-121
Ethylbenzene	8260C	18.5	20.0	92	76-120
m,p-Xylenes	8260C	38.5	40.0	96	80-126
o-Xylene	8260C	18.1	20.0	90	79-123
Styrene	8260C	19.7	20.0	99	80-124

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/08/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1812324-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	19.1	20.0	95	65-146
1,1,2,2-Tetrachloroethane	8260C	20.3	20.0	102	78-126

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/09/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812337-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	20.0	20.0	100	65-135
Vinyl Chloride	8260C	19.0	20.0	95	74-159
Chloroethane	8260C	13.2	20.0	66	62-131
Bromomethane	8260C	13.9	20.0	70	42-166
1,1-Dichloroethene	8260C	19.4	20.0	97	71-118
Acetone	8260C	15.8	20.0	79	40-161
Carbon Disulfide	8260C	20.5	20.0	102	66-128
Methylene Chloride	8260C	19.4	20.0	97	73-122
trans-1,2-Dichloroethene	8260C	18.7	20.0	93	73-118
1,1-Dichloroethane	8260C	22.2	20.0	111	80-124
cis-1,2-Dichloroethene	8260C	18.8	20.0	94	80-121
2-Butanone (MEK)	8260C	22.0	20.0	110	61-137
Chloroform	8260C	20.3	20.0	101	79-120
1,1,1-Trichloroethane	8260C	20.1	20.0	101	75-125
Carbon Tetrachloride	8260C	18.0	20.0	90	70-127
Benzene	8260C	19.7	20.0	98	79-119
1,2-Dichloroethane	8260C	21.6	20.0	108	71-127
Trichloroethene	8260C	18.1	20.0	91	74-122
1,2-Dichloropropane	8260C	20.0	20.0	100	80-119
Bromodichloromethane	8260C	20.5	20.0	102	81-123
cis-1,3-Dichloropropene	8260C	20.6	20.0	103	77-122
4-Methyl-2-pentanone (MIBK)	8260C	21.3	20.0	106	66-124
Toluene	8260C	19.2	20.0	96	79-119
trans-1,3-Dichloropropene	8260C	20.5	20.0	102	71-133
1,1,2-Trichloroethane	8260C	18.9	20.0	94	82-121
Tetrachloroethene	8260C	18.7	20.0	93	72-125
2-Hexanone	8260C	20.3	20.0	101	63-124
Dibromochloromethane	8260C	18.3	20.0	92	72-128
Chlorobenzene	8260C	17.9	20.0	90	80-121
Ethylbenzene	8260C	18.4	20.0	92	76-120
m,p-Xylenes	8260C	37.7	40.0	94	80-126
o-Xylene	8260C	17.8	20.0	89	79-123
Styrene	8260C	18.9	20.0	95	80-124

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Annual/631236330
Sample Matrix: Water

Service Request: R1810579
Date Analyzed: 11/09/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1812337-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	18.6	20.0	93	65-146
1,1,2,2-Tetrachloroethane	8260C	19.2	20.0	96	78-126

Appendix G

Historical Sampling Results

APPENDIX G
HISTORICAL SAMPLING RESULTS

NOTES:

U: Below Practical Quantitation Limit (PQL).

Bold: Analyte detected at given concentration.

Shaded: Analyte exceeds NYS Groundwater Protection Standard per TOGS 1.1.1.

* The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in this Table) applies to this substance.

** Applies to the sum of cis- and trans-1,3-dichloropropene, CAS Nos. 10061-01-5 and 10061-02-6, respectively.

Refer to the groundwater monitoring reports for each sampling event for complete laboratory results, including qualifiers (Appendix F - ALS, Inc. Analytical Report).

WELL NUMBER 87-01(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Feb-96	Oct-96	Oct-97	Oct-00	Oct-02	Oct-04	Oct-06	Oct-08	Oct-10
CHLOROMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.35 U
VINYL CHLORIDE	2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.90 U
CHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	1 U	1 U	0.32 U
BROMOMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.69 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.29 U
ACETONE	50	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	3.0 U
CARBON DISULFIDE	60	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.19 U
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.90 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.38 U
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.81 U
METHYL ETHYL KETONE	50	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	1.3 U
CHLOROFORM	7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.34 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.82 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	3 U	1 U	1 U	1 U	0.27 U
BENZENE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	1 U	1 U	1 U	0.41 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.21 U
TRICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	1	1 U	2 U	1 U	1 U	1 U	0.46 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.72 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.36 U
MIBK	No Given Value	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	2.1 U
TOLUENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.37 U
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.23 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.36 U
2-HEXANONE	50	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	1.2 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.32 U
CHLOROBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.75 U
ETHYLBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.74 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	3 U	3 U	3 U	0.66 U
O-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.76 U
STYRENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.73 U
BROMOFORM	50	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.21 U
Total VOCs (minus Carbon Disulfide)		0	0	0	1	0	0	0	0	0	0
Percent change											

This well was not sampled on the following dates: April, July and October of 1993;
January, April, July and October of 1994; April, July and October 1995; April and July of 1996;
January, April and July of 1997; April and October of 1998; October of 1999, 2001,2003, 2005, 2007,2009, 2011, 2012 and 2013.

WELL NUMBER 87-01(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Feb-96	Oct-96	Oct-97	Oct-98	Oct-00	Oct-02	Oct-04	Oct-06	Oct-08	Oct-10	Nov-12	Oct-14	Oct-16	May-17	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.35 U	3.5 U	3.5 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
VINYL CHLORIDE	2	201	440	150	170	170	170	460	220	480	210	150	66	96	96	84	330	320	210	150	300	57	160	1,400
CHLOROETHANE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	40 U	80 U	1 U	1 U	0.32 U	3.2 U	3.2 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
BROMOMETHANE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.69 U	6.9 U	6.9 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
1 1-DICHLOROETHENE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	15	5.8	6.4	2.9 U	2.9 U	5.0 U	2.6	7.0	10 U	2.0 U	1.0 U	1.9	2.0 U	0.73	4.3
ACETONE	50	500 U	810	250 U	10 U	630 U	630 U	200 U	400 U	5 U	4.6	3.0 U	30 U	30 U	7.5	10 U	6.5	10 U	16	7.1	5.0 U	10 U	5.0 U	50 U
CARBON DISULFIDE	60	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1.4	1.1	0.83	17	1.9 U	5.0 U	2.0 U	5.0 U	10 U	140	32	8.5	19	12	44
METHYLENE CHLORIDE	5*	842	100 U	50 U	0.5 U	130 U	130 U	20 U	34	730	1 U	0.44 U	4.4 U	4.4 U	5.0 U	2.0 U	16	16	96	29	6.3	2.0 U	1.0 U	10 U
TRANS-1 2-DICHLOROETHENE	5*	50 U	100 U	50 U	5	130 U	130 U	20 U	80 U	27	7	7.3	9.5	9.1	6.3	6.8	6.4	5.2	4.8	6.4	4.9	7.7	7.3	13
1 1-DICHLOROETHANE	5*	50 U	100 U	50 U	20	130 U	130 U	97	80 U	28	13	9.9	13	9.7	8.4	5.6	21	15	14	15	12	12	13	37
CIS-1 2-DICHLOROETHENE	5*	2,130	1,600	920	1,700	1,000	870	8,600	2,100	4,000	2,200	1,700	720	660	640	690 D	1,600	1,200	290	58	520	30	190	1,600
METHYL ETHYL KETONE	50	500 U	810	250 U	10 U	630 U	630 U	200 U	400 U	5 U	5 U	1.3 U	13 U	13 U	25 U	2.0 U	25 U	50 U	6.8	3.8	5.0 U	10 U	5.0 U	50 U
CHLOROFORM	7	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1.2	1.1	1.4	3.4 U	3.4 U	2.1	1.1 J	5.0 U	10 U	0.52	1.0 U	0.34	2.0 U	1.0 U	10 U
1 1 1-TRICHLOROETHANE	5*	145	100 U	58	66	130 U	130 U	530	85	120	56	43	22	17	13	15	72	22	10	18	9.9	12	20	38
CARBON TETRACHLORIDE	5	50 U	100 U	50 U	0.5 U	130 U	130 U	84	80 U	1 U	1 U	0.27 U	2.7 U	2.7 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
BENZENE	1	50 U	100 U	50 U	0.5 U	130 U	18 U	14 U	400 U	1 U	1 U	0.41 U	4.1 U	4.1 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
1 2-DICHLOROETHANE	0.6	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.21 U	2.1 U	2.1 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
TRICHLOROETHENE	5*	951	100 U	50 U	50	38	130 U	760	190	760	250	150	110	72	120	110	54	23	9.3	3.7	98	4.2	4.1	20
1 2-DICHLOROPROPANE	1	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.72 U	7.2 U	7.2 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
BROMODICHLOROMETHANE	50	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.39 U	3.9 U	3.9 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
CIS-1 3-DICHLOROPROPENE	0.4**	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.36 U	3.6 U	3.6 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
MIBK	No Given Value	500 U	500 U	100 U	10 U	250 U	250 U	200 U	400 U	5 U	5 U	2.1 U	21 U	21 U	25 U	10 U	25 U	50 U	10 U	5.0 U	5.0 U	10 U	5.0 U	50 U
TOLUENE	5*	50 U	100 U	50 U	1	130 U	130 U	20 U	80 U	1	0.58	0.54	5.1 U	5.1 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	0.22	0.24	2.0 U	0.3	10 U
TRANS-1 3-DICHLOROPROPENE	0.4**	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.37 U	3.7 U	3.7 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
1 1 2-TRICHLOROETHANE	1	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.23 U	2.3 U	2.3 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
TETRACHLOROETHENE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1.3	1 U	0.36 U	3.6 U	3.6 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
2-HEXANONE	50	500 U	500 U	100 U	10 U	250 U	250 U	200 U	400 U	5 U	5 U	1.2 U	12 U	12 U	25 U	10 U	25 U	50 U	10 U	5.0 U	5.0 U	10 U	50 U	50 U
DIBROMOCHLOROMETHANE	50	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.32 U	3.2 U	3.2 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
CHLOROBENZENE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.75 U	7.5 U	7.5 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
ETHYLBENZENE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.74 U	7.4 U	7.4 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
P-XYLENE/M-XYLENE	5*	50 U	100 U	50 U	0.6	130 U	130 U	20 U	240 U	3 U	3 U	0.66 U	6.6 U	6.6 U	10 U	4.0 U	10 U	20 U	4.0 U	2.0 U	2.0 U	4.0 U	2.0 U	20 U
O-XYLENE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	0.82	1 U	0.76 U	7.6 U	7.6 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	0.23	10 U
STYRENE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.73 U	7.3 U	7.3 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
BROMOFORM	50	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.26 U	2.6 U	2.6 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
1 1 2 2-TETRACHLOROETHANE	5*	50 U	100 U	50 U	0.5 U	130 U	130 U	20 U	80 U	1 U	1 U	0.21 U	2.1 U	2.1 U	5.0 U	2.0 U	5.0 U	10 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	10 U
Total VOCs (minus Carbon Disulfide)		4,269	3,660	1,128	2,013	1,208	1,040	10,531	2,629	6,164	2,748	2,069	941	864	893	224	2,113	1,601	657	291	954	123	396	3,112
Percent change			-14%	-74%	-53%	-72%	-76%	147%	-38%	44%	-36%	-52%	-78%	-80%	-79%	-95%	-51%	-62%	-85%	-93%	-78%	-97%	-91%	-27%

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; April 1998; and October 1999, 2001, 2003, 2005, 2007,2009, 2011, 2013 and 2015.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-02(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-94	Jul-94	Oct-94	Jan-95	Apr-95	Jul-95	Oct-95	Feb-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Oct-98	Oct-00	Oct-02	Oct-04	Oct-06	Oct-08	Oct-10	Nov-12	Oct-14	Oct-16	Nov-17
CHLOROMETHANE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.35 U	7.0 U	7.0 U	50 U	5.0 U
VINYL CHLORIDE	2	73	125 U	125 U	252	1,000 U	50 U	25 U	300	250 U	25 U	25 U	8	15	160	25 U	20	5 U	1 U	18	350	280	65	39	42	330	160
CHLOROETHANE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	2 U	25 U	1 U	1 U	0.32 U	6.4 U	6.4 U	50 U	5.0 U
BROMOMETHANE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.69 U	14 U	14 U	50 U	5.0 U
1 1-DICHLOROETHENE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.9	10	25 U	25 U	5 U	1 U	25 U	26	23	8.0	5.8 U	5.8 U	50 U	5.0 U
ACETONE	50	50 U	1,250 U	1,250 U	1,000 U	10,000 U	500 U	250 U	250 U	1,250 U	125 U	120 U	25 U	10 U	10 U	120 U	130 U	50 U	10 U	120 U	5 U	5 U	3.0 U	60 U	60 U	250 U	25 U
CARBON DISULFIDE	60	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	2.4	3.5	0.19 U	3.8 U	3.8 U	50 U	5.0 U
METHYLENE CHLORIDE	5*	9,880	125 U	828	16,800	1,000 U	50 U	25 U	820	250 U	25 U	25 U	5 U	0.5 U	0.7	25 U	25 U	5 U	1 U	23	3,600	1,300	10	830	8.8 U	220	3,000
TRANS-1 2-DICHLOROETHENE	5*	15	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	4	19	25 U	25 U	5 U	1 U	25 U	28	18	12	18 U	18 U	50 U	6.0
1 1-DICHLOROETHANE	5*	23	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	2	9	25 U	8	5 U	1 U	25 U	42	42	7.4	12	7.6 U	26	15
CIS-1 2-DICHLOROETHENE	5*	1,640	658	1,830	7,250	7,010	510	370	6,800	2,000	340	350	170	250	3,400	300	360	480	7	530	7,300	7,800	1,900	1,100	880	5,100	1,700
METHYL ETHYL KETONE	50	50 U	1,250 U	1,250 U	1,000 U	10,000 U	500 U	250 U	250 U	1,250 U	125 U	120 U	25 U	10 U	10 U	120 U	130 U	50 U	10 U	120 U	5 U	5 U	1.3 U	26 U	26 U	250 U	25 U
CHLOROFORM	7	6	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	3	4	25 U	25 U	5 U	1 U	25 U	3.2	3.6	1.5	6.8 U	6.8 U	50 U	4.2
1 1 1-TRICHLOROETHANE	5*	624	125 U	125 U	817	1,000 U	50 U	25 U	250	250 U	25 U	25 U	8	6	38	25 U	20	12	1 U	25 U	260	200	30	28	16 U	73	55
CARBON TETRACHLORIDE	5	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	3 U	25 U	1 U	1 U	0.27 U	5.4 U	5.4 U	50 U	5.0 U
BENZENE	1	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	4 U	0.7 U	120 U	1 U	1 U	0.41 U	8.2 U	8.2 U	50 U	5.0 U
1 2-DICHLOROETHANE	0.6	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.21 U	4.2 U	4.2 U	50 U	5.0 U
TRICHLOROETHENE	5*	13,800	941	1,540	20,000	10,000	620	130	4,000	910	320	220	130	190	1,100	230	300	580	13	760	1,900	3,000	1,000	1,200	1,200	3,900	690
1 2-DICHLOROPROPANE	1	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.72 U	14 U	14 U	50 U	5.0 U
BROMODICHLOROMETHANE	50	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.39 U	7.8 U	7.8 U	50 U	5.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.36 U	7.2 U	7.2 U	50 U	5.0 U
MIBK	No Given Value	50 U	1,250 U	1,250 U	1,000 U	10,000 U	500 U	250 U	250 U	500 U	50 U	50 U	10 U	10 U	10 U	50 U	50 U	50 U	10 U	120 U	5 U	5 U	2.1 U	42 U	42 U	250 U	25 U
TOLUENE	5*	6	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	2	25 U	25 U	5 U	1 U	25 U	1.4	2.2	0.51 U	10 U	10 U	50 U	5.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.37 U	7.4 U	7.4 U	50 U	5.0 U
1 1 2-TRICHLOROETHANE	1	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.23 U	4.6 U	4.6 U	50 U	5.0 U
TETRACHLOROETHENE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	0.72	2	0.36 U	7.2 U	7.2 U	50 U	5.0 U
2-HEXANONE	50	50 U	1,250 U	1,250 U	1,000 U	10,000 U	500 U	250 U	250 U	500 U	50 U	50 U	10 U	10 U	10 U	50 U	50 U	50 U	10 U	120 U	5 U	5 U	1.2 U	25 U	25 U	250 U	25 U
DIBROMOCHLOROMETHANE	50	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.32 U	6.4 U	6.4 U	50 U	5.0 U
CHLOROBENZENE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.75 U	15 U	15 U	50 U	5.0 U
ETHYLBENZENE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	0.98	0.74 U	15 U	15 U	50 U	5.0 U
P-XYLENE/M-XYLENE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	26	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	75 U	3 U	3 U	0.66 U	13 U	13 U	100 U	10 U
O-XYLENE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	0.56	1.4	0.76 U	15 U	15 U	50 U	5.0 U
STYRENE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.73 U	15 U	15 U	50 U	5.0 U
BROMOFORM	50	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.26 U	5.2 U	5.2 U	50 U	5.0 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	125 U	125 U	100 U	1,000 U	50 U	25 U	50 U	250 U	25 U	25 U	5 U	0.5 U	0.5 U	25 U	25 U	5 U	1 U	25 U	1 U	1 U	0.21 U	4.2 U	4.2 U	50 U	5.0 U
Total VOCs (minus Carbon Disulfide)		26,067	1,599	4,198	45,119	17,010	1,130	526	12,170	2,910	660	570	316	471	4,743	530	708	1,072	20	1,331	13,512	12,673	3,034	3,209	2,122	9,649	5,630
Percent change			-94%	-84%	73%	-35%	-96%	-98%	-53%	-89%	-97%	-98%	-99%	-98%	-82%	-98%	-97%	-96%	-100%	-95%	-48%	-51%	-88%	-88%	-92%	-63%	-78%

This well was not sampled on the following dates: April, July and October 1993; January 1994, April 1998, and October 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013 and 2015.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-02(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
VINYL CHLORIDE	2	210	530	1,100	85	22	35	330
CHLOROETHANE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
BROMOMETHANE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1 1-DICHLOROETHENE	5*	25 U	6.5	20 U	1.0 U	1.0 U	0.31	2.5 U
ACETONE	50	130 U	50 U	100 U	3.3	2.2	5.0 U	13 U
CARBON DISULFIDE	60	25 U	21	28	19	2.1	1.1	9.0
METHYLENE CHLORIDE	5*	800	220	34	1.7	1.0 U	21	2.5 U
TRANS-1 2-DICHLOROETHENE	5*	10	8.2	8.6	4.6	1.2	0.93	3.9
1 1-DICHLOROETHANE	5*	19	19	29	12	6.4	6.5	12
CIS-1 2-DICHLOROETHENE	5*	3,400	2,800	2,100	50	14	49	190
METHYL ETHYL KETONE	50	130 U	50 U	100 U	5.0 U	5.0 U	5.0 U	13 U
CHLOROFORM	7	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1 1 1-TRICHLOROETHANE	5*	31	16	27	18	1.8	12	4.4
CARBON TETRACHLORIDE	5	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
BENZENE	1	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1 2-DICHLOROETHANE	0.6	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
TRICHLOROETHENE	5*	350	63	88	3.9	2.5	39	13
1 2-DICHLOROPROPANE	1	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
BROMODICHLOROMETHANE	50	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
CIS-1 3-DICHLOROPROPENE	0.4**	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
MIBK	No Given Value	130 U	50 U	100 U	5.0 U	5.0 U	5.0 U	13 U
TOLUENE	5*	25 U	10 U	20 U	0.22	1.0 U	1.0 U	2.5 U
TRANS-1 3-DICHLOROPROPENE	0.4**	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1 1 2-TRICHLOROETHANE	1	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
TETRACHLOROETHENE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
2-HEXANONE	50	130 U	50 U	100 U	5.0 U	5.0 U	5.0 U	13 U
DIBROMOCHLOROMETHANE	50	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
CHLOROBENZENE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
ETHYLBENZENE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
P-XYLENE/M-XYLENE	5*	50 U	20 U	40 U	2.0 U	2.0 U	2.0 U	5.0 U
O-XYLENE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
STYRENE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
BROMOFORM	50	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
1 1 2 2-TETRACHLOROETHANE	5*	25 U	10 U	20 U	1.0 U	1.0 U	1.0 U	2.5 U
Total VOCs (minus Carbon Disulfide)		4,820	3,663	3,387	179	50	164	553
Percent change		-82%	-86%	-87%	-99%	-99.8%	-99%	-98%

This well was not sampled on the following dates: April, July and October 1993; January 1994, April 1998, and October 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013 and 2015.
This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-02(3)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-94	Jul-94	Oct-94	Jan-95	Apr-95	Jul-95	Oct-95	Feb-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08
CHLOROMETHANE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	2	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOMETHANE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1 1-DICHLOROETHENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ACETONE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	1.9	5 U
CARBON DISULFIDE	60	1	1 U	1 U	2	1 U	1	1 U	1	2	1	3	1	1	1	0.7	5	5 U	7	1 U	23	3	2.3	0.22	0.75	1.7	4	3.4
METHYLENE CHLORIDE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	5 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	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1 1-DICHLOROETHANE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 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	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.78
METHYL ETHYL KETONE	50	10 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	10 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	7	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON TETRACHLORIDE	5	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U
BENZENE	1	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	0.5 U	0.7 U	5 U	0.7 U	0.7 U	0.7 U	0.8	0.69	0.37	1 U	1 U	1 U	1 U
1 2-DICHLOROETHANE	0.6	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1 2-DICHLOROPROPANE	1	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMODICHLOROMETHANE	50	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 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	0.4**	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MIBK	No Given Value	10 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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 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	0.4**	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 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	1	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-HEXANONE	50	10 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	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	50	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
P-XYLENE/M-XYLENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	3 U	3 U	2 U	3 U	2 U	2 U
O-XYLENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
STYRENE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOFORM	50	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total VOCs (minus Carbon Disulfide)		0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0	0.8	0.69	0	0	0	1.9	1
Percent change																												

This well was not sampled on the following dates: April, July and October 1993; January 1994; October 2011, 2013 and November 2017.

WELL NUMBER 87-02(3)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-09	Oct-10	Nov-12	Oct-14	May-15	Jun-15	Oct-15	Apr-16	Oct-16	Oct-18
CHLOROMETHANE	5*	0.35 U	0.35 U	0.35 U	0.35 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.24 U	0.90 U	0.90 U	0.90 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
CHLOROETHANE	5*	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.28 U	0.69 U	0.69 U	0.69 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
ACETONE	50	1.3 U	3.0 U	3.0 U	3.0 U	5.0 U	25 U	5 U	5 U	5.0 U	2.5
CARBON DISULFIDE	60	1.6	1.7	5.2	1.7	0.97	1.2	7.2	6.9	1.3	3.4
METHYLENE CHLORIDE	5*	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	0.42 U	0.90 U	0.90 U	0.90 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	0.38 U	0.38 U	0.38 U	0.38 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	0.38 U	0.81 U	0.81 U	0.81 U	1.0 U	5.0 U	0.47	1 U	1.0 U	1.0 U
METHYL ETHYL KETONE	50	1.3 U	1.3 U	1.3 U	1.3 U	5.0 U	25 U	25 U	25 U	5.0 U	5.0 U
CHLOROFORM	7	0.34 U	0.34 U	0.34 U	0.34 U	1.0 U	5.0 U	5 U	5 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	0.26 U	0.82 U	0.82 U	0.82 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
CARBON TETRACHLORIDE	5	0.27 U	0.27 U	0.27 U	0.27 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
BENZENE	1	0.41 U	0.41 U	0.41 U	0.41 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	0.46 U	0.46 U	0.46 U	0.46 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
1 2-DICHLOROPROPANE	1	0.32 U	0.72 U	0.72 U	0.72 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.39 U	0.39 U	0.39 U	0.39 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	0.36 U	0.36 U	0.36 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
MIBK	No Given Value	0.91 U	2.1 U	2.1 U	2.1 U	5.0 U	25 U	5 U	5 U	5.0 U	5.0 U
TOLUENE	5*	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	0.37 U	0.37 U	0.37 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	0.23 U	0.23 U	0.23 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 U	0.36 U	0.36 U	0.36 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	1.2 U	5.0 U	25 U	5 U	5 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.32 U	0.75 U	0.75 U	0.75 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.18 U	0.74 U	0.74 U	0.74 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	0.66 U	0.66 U	0.66 U	2.0 U	10 U	2 U	2 U	2.0 U	2.0 U
O-XYLENE	5*	0.36 U	0.76 U	0.76 U	0.76 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
STYRENE	5*	0.18 U	0.73 U	0.73 U	0.73 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
BROMOFORM	50	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	5.0 U	1 U	1 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		0	0	0	0	0	0	0	0	0	3
Percent change											

This well was not sampled on the following dates: April, July and October 1993; January 1994; October 2011, 2013 and November 2017.

WELL NUMBER 87-08(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-94	Jul-94	Oct-94	Jan-95	Apr-95	Jul-95	Oct-95	Feb-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Oct-98	Oct-00	Oct-02	Oct-04	Oct-06	Oct-08	Oct-10	Nov-12	Oct-14	Oct-16
CHLOROMETHANE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.35 U	3.5 U	3.5 U	1.0 U
VINYL CHLORIDE	2	42	30	150	72	662	72	100 U	76	100	94	120 U	120 U	250 U	53	110	120	93	61	230	150	200	170	93	140	72
CHLOROETHANE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	3	50 U	1 U	1 U	0.32 U	3.2 U	3.2 U	1.0 U
BROMOMETHANE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.69 U	6.9 U	6.9 U	1.0 U
1 1-DICHLOROETHENE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	4	50 U	4.7	5	3.9	2.9 U	2.9 U	1.9
ACETONE	50	50 U	250 U	250 U	500 U	5,000 U	50 U	1,000 U	260	250 U	250 U	620 U	620 U	1,200 U	500 U	500 U	200 U	500 U	10 U	250 U	5 U	5 U	3.0 U	30 U	30 U	5.0 U
CARBON DISULFIDE	60	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.19 U	1.9 U	1.9 U	0.23
METHYLENE CHLORIDE	5*	5 U	25 U	25 U	50 U	500 U	5 U	220	50 U	790	3,200	3,400	11,000	6,800	54	870	20 U	100 U	1 U	31	1 U	1 U	0.44 U	4.4 U	4.4 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	10	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	3	20	13	7.3	6.2	9.0 U	9.0 U	1.6
1 1-DICHLOROETHANE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	5	50 U	5.1	4.7	3.4	3.8 U	3.8 U	1.7
CIS-1 2-DICHLOROETHENE	5*	684	523	1,340	1,160	12,600	1,090	1,400	1,200	950	1,500	1,300	1,100	1,300	1,300	1,500	1,800	1,200	950	1,700	970	1,100	1,200	480	460	300
METHYL ETHYL KETONE	50	50 U	250 U	250 U	500 U	5,000 U	50 U	1,000 U	250 U	250 U	250 U	620 U	620 U	1,200 U	500 U	500 U	200 U	500 U	10 U	250 U	5 U	5 U	1.3 U	13 U	13 U	5.0 U
CHLOROFORM	7	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.34 U	3.4 U	3.4 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1.2	0.6	0.85	8.2 U	8.2 U	0.77
CARBON TETRACHLORIDE	5	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	3 U	50 U	1 U	1 U	0.27 U	2.7 U	2.7 U	1.0 U
BENZENE	1	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	14 U	14 U	0.7 U	250 U	1 U	1 U	0.41 U	4.1 U	4.1 U	1.0 U
1 2-DICHLOROETHANE	0.6	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.21 U	2.1 U	2.1 U	1.0 U
TRICHLOROETHENE	5*	81	57	184	94	950	49	220	200	130	650	550	550	420	790	400	56	100 U	6	43	47	18	17	5.7	4.7	3.5
1 2-DICHLOROPROPANE	1	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.72 U	7.2 U	7.2 U	1.0 U
BROMODICHLOROMETHANE	50	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.39 U	3.9 U	3.9 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.36 U	3.6 U	3.6 U	1.0 U
MIBK	No Given Value	50 U	250 U	250 U	500 U	5,000 U	50 U	1,000 U	250 U	100 U	100 U	250 U	250 U	500 U	500 U	200 U	200 U	200 U	10 U	250 U	5 U	5 U	2.1 U	21 U	21 U	5.0 U
TOLUENE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.51 U	5.1 U	5.1 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.37 U	3.7 U	3.7 U	1.0 U
1 1 2-TRICHLOROETHANE	1	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.23 U	2.3 U	2.3 U	1.0 U
TETRACHLOROETHENE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.36 U	3.6 U	3.6 U	1.0 U
2-HEXANONE	50	50 U	250 U	250 U	500 U	5,000 U	50 U	1,000 U	250 U	100 U	100 U	250 U	250 U	500 U	500 U	200 U	200 U	200 U	10 U	250 U	5 U	5 U	1.2 U	12 U	12 U	5.0 U
DIBROMOCHLOROMETHANE	50	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.32 U	3.2 U	3.2 U	1.0 U
CHLOROBENZENE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.75 U	7.5 U	7.5 U	1.0 U
ETHYLBENZENE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.74 U	7.4 U	7.4 U	1.0 U
P-XYLENE/M-XYLENE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	150 U	3 U	3 U	0.66 U	6.6 U	6.6 U	2.0 U
O-XYLENE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.76 U	7.6 U	7.6 U	1.0 U
STYRENE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.73 U	7.3 U	7.3 U	1.0 U
BROMOFORM	50	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.26 U	2.6 U	2.6 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	25 U	25 U	50 U	500 U	5 U	100 U	50 U	50 U	50 U	120 U	120 U	250 U	25 U	100 U	20 U	100 U	1 U	50 U	1 U	1 U	0.21 U	2.1 U	2.1 U	1.0 U
Total VOCs (minus Carbon Disulfide)		817	610	1,674	1,326	14,212	1,211	1,840	1,736	1,970	5,444	5,250	12,650	8,520	2,197	2,880	1,976	1,293	1,032	2,024	1,191	1,336	1,401	579	605	381
Percent change			-25%	105%	62%	1640%	48%	125%	112%	141%	566%	543%	1448%	943%	169%	253%	142%	58%	26%	148%	46%	63%	72%	-29%	-26%	-53%

This well was not sampled on the following dates: April, July and October 1993; January 1994, April 1998; and October 1999, 2001, 2003, 2005, 2007.2009, 2011, 2013 and 2015.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-08(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
VINYL CHLORIDE	2	190	500	1,200	1,300	360	640	810	680
CHLOROETHANE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
BROMOMETHANE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
1 1-DICHLOROETHENE	5*	4.2	4.2	8.4	9.0	0.9	3.7	6.2	2.7
ACETONE	50	4.5	9.3	50 U	50 U	6.3	11	50 U	25 U
CARBON DISULFIDE	60	2.5 U	12	12	17	6.6	11	61	21
METHYLENE CHLORIDE	5*	2.5 U	14	190	110	2.5 U	1,100	290	5.0 U
TRANS-1 2-DICHLOROETHENE	5*	3.4	3.9	9.0	9.7	3.8	6.6	8.8	7.3
1 1-DICHLOROETHANE	5*	4.7	6.4	15	20	6.6	15	24	16
CIS-1 2-DICHLOROETHENE	5*	720	780	1,500	1,800	160	500	660	590
METHYL ETHYL KETONE	50	13 U	25 U	50 U	50 U	13 U	4	50 U	25 U
CHLOROFORM	7	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
1 1 1-TRICHLOROETHANE	5*	2.6	3.5	6.1	8	1.9	8.6	8.5	9.3
CARBON TETRACHLORIDE	5	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
BENZENE	1	2.5 U	5.0 U	10 U	10 U	2.5 U	0.53	10 U	5.0 U
1 2-DICHLOROETHANE	0.6	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
TRICHLOROETHENE	5*	7.0	39	37	32	6.1	700D	46	12
1 2-DICHLOROPROPANE	1	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
BROMODICHLOROMETHANE	50	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
MIBK	No Given Value	13 U	25 U	50 U	50 U	13 U	13 U	50 U	25 U
TOLUENE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	0.95	10 U	5.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
1 1 2-TRICHLOROETHANE	1	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
TETRACHLOROETHENE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
2-HEXANONE	50	13 U	25 U	50 U	50 U	13 U	13 U	50 U	25 U
DIBROMOCHLOROMETHANE	50	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
CHLOROBENZENE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
ETHYLBENZENE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
P-XYLENE/M-XYLENE	5*	5.0 U	10 U	20 U	20 U	5.0 U	5.0 U	20 U	10 U
O-XYLENE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
STYRENE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
BROMOFORM	50	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
1 1 2 2-TETRACHLOROETHANE	5*	2.5 U	5.0 U	10 U	10 U	2.5 U	2.5 U	10 U	5.0 U
Total VOCs (minus Carbon Disulfide)		936	1,360	2,966	3,289	546	2,290	1,854	1,317
Percent change		15%	66%	263%	303%	-33.2%	180%	127%	61%

This well was not sampled on the following dates: April, July and October 1993; January 1994, April 1998; and October 1999, 2001, 2003, 2005, 2007.2009, 2011, 2013 and 2015.
This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-09(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-17	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Dec-18
CHLOROMETHANE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	190	210	200	190	170	150	200	170
CHLOROETHANE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	1.5	2.1	1.4	1.3	1.2	1.1	1.4	1.2
ACETONE	50	4.1	10 U	2.5	5.0 U	10 U	5.0 U	5.0 U	5.0 U
CARBON DISULFIDE	60	2.0 U	0.61	2.2	1.1	2.0 U	1.4	1.4	1.8
METHYLENE CHLORIDE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	1.4	2.1	1.6	1.7	1.3	1.4	1.7	1.7
1 1-DICHLOROETHANE	5*	16	20	17	19	16	16	18	14
CIS-1 2-DICHLOROETHENE	5*	150	170	130	150	130	130	150	150
METHYL ETHYL KETONE	50	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	85	110	79	88	83	81	72	58
CARBON TETRACHLORIDE	5	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
BENZENE	1	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	1.7	2.2	2.1	2.1	2.1	1.6	3.2	1.8
1 2-DICHLOROPROPANE	1	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	4.0 U	4.0 U	4.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		450	516	434	452	404	381	446	397
Percent change			15%	-4%	1%	-10%	-15%	-1%	-12%

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-10(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-94	Jan-95	Feb-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Nov-12	Oct-14	Oct-16	Oct-18
CHLOROMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.35 U	0.35 U	0.35 U	0.35 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.24 U	0.90 U	0.90 U	0.90 U	1.0 U	1.0 U
CHLOROETHANE	5*	0.5 U	0.5 U	0.8	0.5 U	0.5 U	1 U	1 U	25 U	1 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.28 U	0.69 U	0.69 U	0.69 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	0.47	1 U	1 U	0.86	0.55	1.1	0.29 U	0.29 U	1.0 U	1.0 U
ACETONE	50	50 U	10 U	10 U	10 U	10	10 U	10 U	130 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U	3.0 U	3.0 U	5.0 U	5.0 U
CARBON DISULFIDE	60	0.5 U	0.5 U	0.5 U	0.7	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.19 U	0.19 U	0.19 U	0.54	0.27	1.0 U
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	0.6	1	1	0.5 U	0.5 U	2	1	25 U	1 U	1 U	0.79	5 U	1.6	0.58	1.9	2.2	0.42 U	1.2	0.90 U	0.90 U	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	2	4	6	2	1	6	4	25 U	2	3	1	5.5	3.8	1.6	3.3	5.5	2.8	2.8	7.3	3.3	1.8	1.3
CIS-1 2-DICHLOROETHENE	5*	85	128	211	54	46	130	130	190	52	65	15	150	72	26	82	100	36	31	6.7	8.4	4.7	6.0
METHYL ETHYL KETONE	50	50 U	10 U	10 U	10 U	10 U	10 U	10 U	130 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	5.0 U	5.0 U
CHLOROFORM	7	0.8	2	0.5 U	5	3	2	2	25 U	3	3	4.3	2.5	2.7	1.3	3.6	1.7	6.0	1.9	2.3	2.1	1.8	1.1
1 1 1-TRICHLOROETHANE	5*	10	15	25	8	3	16	12	25 U	1 U	13	2.8	14	9.8	6.3	14	44	18	17	4.7	1.4	0.68	0.44
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	4	0.5 U	0.5 U	1 U	1 U	25 U	1 U	3 U	1 U	5 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U	0.27 U	0.27 U	1.0 U	1.0 U
BENZENE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	4 U	0.7 U	0.7 U	1 U	5 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	9	12	5	2	1	6	3	25 U	4	16	2.8	6.2	3.5	4.5	4	8.4	4.6	3.2	2.2	1.6	1.2	1.1
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.32 U	0.72 U	0.72 U	0.72 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.47	0.39 U	0.39 U	0.39 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1.0 U	1.0 U
MIBK	No Given Value	50 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U	2.1 U	2.1 U	5.0 U	5.0 U
TOLUENE	5*	0.6 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.37 U	0.37 U	0.37 U	0.37 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.23 U	0.23 U	0.23 U	0.23 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1.0 U	1.0 U
2-HEXANONE	50	50 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U	1.2 U	1.2 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.32 U	0.75 U	0.75 U	0.75 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.18 U	0.74 U	0.74 U	0.74 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	3 U	15 U	2 U	3 U	2 U	2 U	0.66 U	0.66 U	0.66 U	0.66 U	2.0 U	2.0 U
O-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.36 U	0.76 U	0.76 U	0.76 U	1.0 U	1.0 U
STYRENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.18 U	0.73 U	0.73 U	0.73 U	1.0 U	1.0 U
BROMOFORM	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	1 U	25 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		108	163	253	71	64	162	152	190	61	100	27	178	94	40	109	163	68	58	23	15	10	10
Percent change			50%	134%	-34%	-41%	50%	41%	76%	-44%	-7%	-75%	65%	-13%	-63%	1%	51%	-37%	-46%	-79%	-86%	-91%	-91%

This well was not sampled on the following dates: April, July and October 1993; April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and April 1998, October 2011, 2013 and 2015.

WELL NUMBER 87-12(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-17	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Dec-18
CHLOROMETHANE	5*	10 U	5.2	10 U	10 U	20 U	10 U	2.0 U	2.0 U
VINYL CHLORIDE	2	1,700	2,300	1,400	1,200	2,200	1,100	180	1,500
CHLOROETHANE	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
BROMOMETHANE	5*	10 U	6.2	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1 1-DICHLOROETHENE	5*	7.2	20 U	10 U	10 U	20 U	5.2	2.0 U	4.0
ACETONE	50	50 U	100 U	50 U	50 U	100 U	50 U	10 U	10 U
CARBON DISULFIDE	60	10 U	20 U	31	12	23	21	4.3	10
METHYLENE CHLORIDE	5*	10 U	20 U	84	10 U	20 U	410	2.0 U	2.0 U
TRANS-1 2-DICHLOROETHENE	5*	8.7	12.0	7.3	5.7	7.2	7.4	2.4	7.5
1 1-DICHLOROETHANE	5*	19	29	24	14	25	27	13	27
CIS-1 2-DICHLOROETHENE	5*	2,200	3,000	970	700	1,300	1,200	54	1,100
METHYL ETHYL KETONE	50	50 U	100 U	50 U	50 U	100 U	50 U	10 U	10 U
CHLOROFORM	7	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1 1 1-TRICHLOROETHANE	5*	30	32	29	15	28	31	16	30
CARBON TETRACHLORIDE	5	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
BENZENE	1	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1 2-DICHLOROETHANE	0.6	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
TRICHLOROETHENE	5*	14	18.0	17	13	33	76	5.6	32
1 2-DICHLOROPROPANE	1	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
BROMODICHLOROMETHANE	50	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
MIBK	No Given Value	50 U	100 U	50 U	50 U	100 U	50 U	10 U	10 U
TOLUENE	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	0.54
TRANS-1 3-DICHLOROPROPENE	0.4**	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1 1 2-TRICHLOROETHANE	1	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
TETRACHLOROETHENE	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
2-HEXANONE	50	50 U	100 U	50 U	50 U	100 U	50 U	10 U	10 U
DIBROMOCHLOROMETHANE	50	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
CHLOROBENZENE	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
ETHYLBENZENE	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
P-XYLENE/M-XYLENE	5*	20 U	40 U	20 U	20 U	40 U	20 U	4.0 U	0.46
O-XYLENE	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	0.4
STYRENE	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
BROMOFORM	50	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
1 1 2 2-TETRACHLOROETHANE	5*	10 U	20 U	10 U	10 U	20 U	10 U	2.0 U	2.0 U
Total VOCs (minus Carbon Disulfide)		3,979	5,402	2,531	1,948	3,593	2,857	271	2,702
Percent change			36%	-36%	-51%	-10%	-28%	-93%	-32%

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-13(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-17	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Dec-18
CHLOROMETHANE	5*	500 U	46	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
VINYL CHLORIDE	2	3,000	1,300	1,600	2,200	2,400	1,400	1,000 U	2,500
CHLOROETHANE	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
BROMOMETHANE	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1 1-DICHLOROETHENE	5*	500 U	120.0	210	1,000 U	1,000 U	1,000 U	1,000 U	530
ACETONE	50	2,500 U	1,000 U	1,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
CARBON DISULFIDE	60	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,100
METHYLENE CHLORIDE	5*	94,000	3,500	17,000	87,000	120,000	490,000	1,000,000	560,000
TRANS-1 2-DICHLOROETHENE	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	330
1 1-DICHLOROETHANE	5*	320	130	280	360	520	570	1,000 U	1,100
CIS-1 2-DICHLOROETHENE	5*	80,000	19,000	36,000	38,000	42,000	44,000	91,000	110,000
METHYL ETHYL KETONE	50	2,500 U	1,000 U	1,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
CHLOROFORM	7	1,200	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1 1 1-TRICHLOROETHANE	5*	1,100	1,100	3,300	1,600	2,000	1,700	1,000 U	2,000
CARBON TETRACHLORIDE	5	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
BENZENE	1	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1 2-DICHLOROETHANE	0.6	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
TRICHLOROETHENE	5*	40,000	17,000	120,000	65,000	84,000	88,000	170,000	140,000
1 2-DICHLOROPROPANE	1	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
BROMODICHLOROMETHANE	50	230	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
CIS-1 3-DICHLOROPROPENE	0.4**	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
MIBK	No Given Value	2,500 U	1,000 U	1,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
TOLUENE	5*	500 U	200 U	160	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
TRANS-1 3-DICHLOROPROPENE	0.4**	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1 1 2-TRICHLOROETHANE	1	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
TETRACHLOROETHENE	5*	500 U	200 U	310	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
2-HEXANONE	50	2,500 U	1,000 U	1,000 U	5,000 U	5,000 U	5,000 U	5,000 U	5,000 U
DIBROMOCHLOROMETHANE	50	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
CHLOROBENZENE	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
ETHYLBENZENE	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
P-XYLENE/M-XYLENE	5*	1,000 U	400 U	400 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U
O-XYLENE	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
STYRENE	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
BROMOFORM	50	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
1 1 2 2-TETRACHLOROETHANE	5*	500 U	200 U	200 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U
Total VOCs (minus Carbon Disulfide)		219,850	42,196	178,860	194,160	250,920	625,670	1,261,000	816,460
Percent change			-81%	-19%	-12%	14%	185%	474%	271%

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-13(3)
ANALYTICAL SAMPLING RESULTS
(Concentrations in ug/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jul-93	Jan-94	Apr-94	Jul-94	Oct-94	Jan-95	Apr-95	Jul-95	Oct-95	Feb-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08
CHLOROMETHANE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
VINYL CHLORIDE	2	9	24	22	21	25	26	23	32	62	12	10	12	9	10	18	10	32	15	19	36	32	120	180	220	250	25	86	160
CHLOROETHANE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	10 U	100 U	50 U	5 U	2 U	2 U	1 U
BROMOMETHANE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
1 1-DICHLOROETHENE	5*	5 U	0.6	1	1 U	0.7	1	5 U	1	10 U	3 U	1	3 U	0.6	0.5	0.9	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	1	0.67
ACETONE	50	50 U	50 U	10 U	10 U	14	10 U	50 U	10	100 U	50 U	10 U	50 U	0.5 U	10 U	10 U	50 U	25 U	11	25 U	10 U	10 U	50 U	500 U	250 U	25 U	10 U	10 U	5 U
CARBON DISULFIDE	60	26	23	31	47	41	41	5 U	44	70	40	38	34	124	40	44	42	62	38	35	32	240	130	61	50	5 U	14	45	21
METHYLENE CHLORIDE	5*	5 U	0.5 U	1	1 U	0.7	2	5 U	2	10 U	3	1	3 U	1	1	0.8	22	5 U	2 U	5 U	1 U	6	44	54	46	13	10	46	390
TRANS-1 2-DICHLOROETHENE	5*	5 U	0.5 U	1	1 U	0.9	0.8	5 U	1	10 U	3 U	1	3 U	0.6	0.5 U	0.6	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	0.89
1 1-DICHLOROETHANE	5*	5 U	0.5 U	1	1	1	2	5 U	1	10 U	3 U	1	3 U	0.5 U	0.6	0.7	2 U	5 U	1 U	5 U	1 U	2	14	100 U	50 U	31	2.4	4.1	11
CIS-1 2-DICHLOROETHENE	5*	104	50	153	179	175	224	130	171	390	92	85	106	71	80	110	87	140	67	62	75	81	830	2,500	1,400	2,400	140	330	870
METHYL ETHYL KETONE	50	50 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	50 U	10 U	50 U	10 U	10 U	10 U	50 U	25 U	10 U	25 U	10 U	10 U	50 U	500 U	250 U	25 U	10 U	10 U	5 U
CHLOROFORM	7	5 U	0.5 U	0.5 U	1 U	1	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
1 1 1-TRICHLOROETHANE	5*	5 U	0.5 U	0.5 U	1 U	1 U	1	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	1	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
CARBON TETRACHLORIDE	5	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	14	15 U	100 U	50 U	5 U	2 U	2 U	1 U
BENZENE	1	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	0.7 U	5 U	0.7 U	0.7 U	4 U	100 U	250 U	5 U	2 U	2 U	1 U
1 2-DICHLOROETHANE	0.6	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
TRICHLOROETHENE	5*	134	193	287	282	309	129	192	195	270	228	210	213	190	190	220	170	130	150	92	110	83	270	75	18	4.6	12	36	2.8
1 2-DICHLOROPROPANE	1	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
BROMODICHLOROMETHANE	50	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
MIBK	No Given Value	50 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	50 U	10 U	50 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	50 U	500 U	250 U	25 U	10 U	10 U	5 U
TOLUENE	5*	5 U	0.6	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	7.2	2 U	2 U	3.9
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
1 1 2-TRICHLOROETHANE	1	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
TETRACHLOROETHENE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
2-HEXANONE	50	50 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	100 U	50 U	10 U	50 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	50 U	500 U	250 U	25 U	10 U	10 U	5 U
DIBROMOCHLOROMETHANE	50	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
CHLOROBENZENE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
ETHYLBENZENE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
P-XYLENE/M-XYLENE	5*	5 U	0.5	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	300 U	150 U	10 U	4 U	6 U	2 U
O-XYLENE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
STYRENE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
BROMOFORM	50	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	3 U	0.5 U	3 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	1 U	10 U	5 U	1 U	5 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	5 U	1 U	1 U	5 U	100 U	50 U	5 U	2 U	2 U	1 U
Total VOCs (minus Carbon Disulfide)		247	269	466	483	527	386	345	413	722	335	309	331	273	282	352	289	302	243	173	221	218	1,278	2,809	1,684	2,706	189	503	1,439
Percent change			9%	89%	96%	113%	56%	40%	67%	192%	36%	25%	34%	10%	14%	43%	17%	22%	-2%	-30%	-11%	-12%	417%	1037%	582%	995%	-23%	104%	483%

This well was not sampled on the following dates: April and October 1993, and 2013.

WELL NUMBER 87-13(3)
ANALYTICAL SAMPLING RESULTS
(Concentrations in ug/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-09	Oct-10	Nov-12	Oct-14	May-15	Jun-15	Oct-15	Apr-16	Oct-16	Oct-18
CHLOROMETHANE	5*	0.35 U	6.9 U	7.0 U	14 U	200 U	200 U	500 U	500 U	500 U	500 U
VINYL CHLORIDE	2	96	150	400	52	750	990	940	490	610	2,800
CHLOROETHANE	5*	0.32 U	6.5 U	6.4 U	13 U	200 U	200 U	500 U	500 U	500 U	500 U
BROMOMETHANE	5*	0.28 U	14 U	14 U	28 U	200 U	200 U	500 U	500 U	500 U	500 U
1 1-DICHLOROETHENE	5*	0.87	5.9 U	5.8 U	12 U	200 U	200 U	500 U	500 U	500 U	500 U
ACETONE	50	1.3 U	60 U	60 U	120 U	1,000 U	1,000 U	2,500 U	2,500 U	2,500 U	2,500 U
CARBON DISULFIDE	60	37	35	32	93	440	470	870	470	710	340
METHYLENE CHLORIDE	5*	5.6	8.8 U	11	18 U	200 U	200 U	500 U	500 U	500 U	280
TRANS-1 2-DICHLOROETHENE	5*	1.3	18 U	18 U	36 U	320	310	500	400	390	510
1 1-DICHLOROETHANE	5*	2.3	7.7 U	29	15 U	200 U	200 U	500 U	500 U	500 U	500 U
CIS-1 2-DICHLOROETHENE	5*	270	1,500	1,700	7,400	46,000	50,000	68,000	49,000	57,000	46,000
METHYL ETHYL KETONE	50	1.3 U	26 U	26 U	53 U	1,000 U	1,000 U	2,500 U	2,500 U	2,500 U	2,500 U
CHLOROFORM	7	0.34 U	6.7 U	6.8 U	14 U	490	520	500 U	1,200	810	480
1 1 1-TRICHLOROETHANE	5*	0.26 U	16 U	190	33 U	200 U	200 U	500 U	500 U	500 U	500 U
CARBON TETRACHLORIDE	5	0.27 U	5.3 U	5.4 U	11 U	200 U	200 U	500 U	500 U	500 U	500 U
BENZENE	1	0.41 U	8.2 U	8.2 U	16 U	200 U	200 U	500 U	500 U	500 U	500 U
1 2-DICHLOROETHANE	0.6	0.21 U	4.3 U	4.2 U	8.4 U	200 U	200 U	500 U	500 U	500 U	500 U
TRICHLOROETHENE	5*	49	54	24	2,100	79,000	71,000	97,000	75,000	72,000	620
1 2-DICHLOROPROPANE	1	0.32 U	14 U	14 U	29 U	200 U	200 U	500 U	500 U	500 U	500 U
BROMODICHLOROMETHANE	50	0.39 U	7.7 U	7.8 U	16 U	86	94	500 U	280	210	500 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	7.1 U	7.2 U	14 U	200 U	200 U	500 U	500 U	500 U	500 U
MIBK	No Given Value	0.91 U	42 U	42 U	84 U	1,000 U	1,000 U	2,500 U	2,500 U	2,500 U	2,500 U
TOLUENE	5*	0.51 U	10 U	10 U	20 U	48	54	500 U	500 U	500 U	500 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	7.4 U	7.4 U	15 U	200 U	200 U	500 U	500 U	500 U	500 U
1 1 2-TRICHLOROETHANE	1	0.23 U	4.6 U	4.6 U	9.2 U	200 U	200 U	500 U	500 U	500 U	500 U
TETRACHLOROETHENE	5*	0.36 U	7.3 U	7.2 U	14 U	200 U	200 U	500 U	500 U	500 U	500 U
2-HEXANONE	50	1.2 U	25 U	25 U	50 U	1,000 U	1,000 U	2,500 U	2,500 U	2,500 U	2,500 U
DIBROMOCHLOROMETHANE	50	0.32 U	6.4 U	6.4 U	13 U	200 U	200 U	500 U	500 U	500 U	500 U
CHLOROBENZENE	5*	0.32 U	15 U	15 U	30 U	200 U	200 U	500 U	500 U	500 U	500 U
ETHYLBENZENE	5*	0.18 U	15 U	15 U	30U	200 U	200 U	500 U	500 U	500 U	500 U
P-XYLENE/M-XYLENE	5*	0.66 U	13 U	13 U	26 U	400 U	400 U	1,500 U	1,500 U	1,000 U	1,000 U
O-XYLENE	5*	0.36 U	15 U	15 U	30 U	200 U	200 U	500 U	500 U	500 U	500 U
STYRENE	5*	0.18 U	15 U	15 U	29 U	200 U	200 U	500 U	500 U	500 U	500 U
BROMOFORM	50	0.26 U	5.1 U	5.2 U	10 U	200 U	200 U	500 U	500 U	500 U	500 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	4.3 U	4.2 U	8.4 U	200 U	200 U	500 U	500 U	500 U	500 U
Total VOCs (minus Carbon Disulfide)		425	1,704	2,354	9,552	126,694	122,968	166,440	126,370	131,020	50,690
Percent change		72%	590%	853%	3767%	51193.1%	49685%	67285%	51062%	52945%	20422%

This well was not sampled on the following dates: April and October 1993, and 2013.

WELL NUMBER 87-14(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Feb-96	Oct-96	Oct-97	Oct-98	Oct-00	Oct-02	Oct-04	Oct-06	Oct-08	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Oct-18
CHLOROMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.35 U	1.8 U	0.70 U	0.70 U	0.70 U	1 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	7	6	4	2	2,500 U	200 U	100 U	50 U	1 U	1 U	0.90 U	4.5 U	1.8 U	1.8 U	1.8 U	1 U	1.0 U	1.0 U	1.0 U
CHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	200 U	50 U	1 U	1 U	0.32 U	1.6 U	0.64 U	0.64 U	0.64 U	1 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.69 U	3.5 U	1.4 U	1.4 U	1.4 U	1 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	95	44	36	23	2,500 U	500 U	100 U	50 U	1 U	1 U	0.29 U	1.5 U	0.58 U	0.58 U	0.58 U	1 U	1.0 U	1.0 U	1.0 U
ACETONE	50	10 U	10 U	10 U	10 U	13,000 U	2,500 U	1,000 U	250 U	5 U	2.8	3.0 U	15 U	6.0 U	6.0 U	6.0 U	2	1.9	5.0 U	2.5
CARBON DISULFIDE	60	2	0.5 U	96	2	2,500 U	500 U	100 U	50 U	1 U	1 U	0.19 U	0.95 U	0.38 U	0.38 U	0.38 U	1 U	1.0 U	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	14	820	0.5 U	0.5 U	2,500 U	500 U	100 U	26	1 U	1 U	0.44 U	2.2 U	0.88 U	0.88 U	0.88 U	1 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	210	45	64	29	2,500 U	500 U	100 U	50 U	2.8	1.1	0.90 U	4.5 U	1.8 U	1.8 U	1.8 U	0.34	0.34	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	4	2	2	1	2,500 U	500 U	100 U	50 U	1 U	1 U	0.38 U	1.9 U	0.76 U	0.76 U	0.76 U	1 U	1.0 U	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	0.5 U	9,200	7,150	3,800	4,800	1,500	4,500	39	28	23	6.2	4.1 U	1.6 U	1.6 U	1.6 U	1.6	0.91	1.0 U	0.57
METHYL ETHYL KETONE	50	10 U	10 U	10 U	10 U	13,000 U	2,500 U	1,000 U	250 U	5 U	5 U	1.3 U	6.6 U	2.6 U	2.6 U	2.6 U	5 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	0.5 U	163	160	85	2,500 U	500 U	110	50 U	6.1	4.4	2.8	1.7 U	0.68 U	0.68 U	0.68	0.54	0.53	1.0 U	0.46
1 1 1-TRICHLOROETHANE	5*	2	0.5 U	1	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.82 U	4.1 U	1.6 U	1.6 U	1.6 U	1 U	1.0 U	1.0 U	1.0 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	2	0.5 U	2,500 U	500 U	300 U	50 U	1 U	1 U	0.27 U	1.4 U	0.54 U	0.54 U	0.54 U	1 U	1.0 U	1.0 U	1.0 U
BENZENE	1	30	15	12	6	2,500 U	70 U	70 U	250 U	1 U	1 U	0.41 U	2.1U	0.82 U	0.82 U	0.82 U	1 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.21 U	1.1 U	0.42 U	0.42 U	0.42 U	1 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	0.5 U	18,000	13,200	9,500	17,000	8,300	29,000	1,200	1,400	970	730	190	140	46	140	160	120	62	97
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.72 U	3.6 U	1.4 U	1.4 U	1.4 U	1 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.39 U	2 U	0.78 U	0.78 U	0.78 U	1 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.36 U	1.8 U	0.72 U	0.72 U	0.72 U	1 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	10 U	10 U	10 U	10 U	5,000 U	1,000 U	1,000 U	250 U	5 U	5 U	2.1 U	11 U	4.2 U	4.2 U	4.2 U	5 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	7	3	2	1	2,500 U	500 U	100 U	50 U	1 U	1 U	0.51 U	2.6 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	0.21
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.37 U	1.9 U	0.74 U	0.74 U	0.74 U	1 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	3	2	2	2	2,500 U	500 U	100 U	50 U	1 U	1 U	0.23 U	1.2 U	0.46 U	0.46 U	0.46 U	1 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.36 U	1.8 U	0.72 U	0.72 U	0.72 U	1 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	10 U	10 U	10 U	10 U	5,000 U	1,000 U	1,000 U	250 U	5 U	5 U	1.2 U	6.2 U	02.5 U	2.5 U	2.5 U	5 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.32 U	1.6 U	0.64 U	0.64 U	0.64 U	1 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.75 U	3.8 U	1.5 U	1.5 U	1.5 U	1 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.5 U	0.8	0.6	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.74 U	3.7 U	1.5 U	1.5 U	1.5 U	1 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.5 U	2	1	0.7	2,500 U	500 U	100 U	150 U	2 U	2 U	0.66 U	3.3 U	1.3 U	1.3 U	1.3 U	2 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	0.5 U	0.8	0.9	0.7	2,500 U	500 U	100 U	50 U	1 U	1 U	0.76 U	3.8 U	1.5 U	1.5 U	1.5 U	1 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.73 U	3.7 U	1.5 U	1.5 U	1.5 U	1 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	0.5 U	0.5 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.26 U	1.3 U	0.52 U	0.52 U	0.52 U	1 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	1 U	0.5 U	0.5 U	2,500 U	500 U	100 U	50 U	1 U	1 U	0.21 U	1.1 U	0.42 U	0.42 U	0.42 U	1 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		372	28,304	20,638	13,450	21,800	9,800	33,610	1,265	1,437	1,001	739	190	140	46	141	164	124	62	101
Percent change			7508%	5448%	3516%	5760%	2534%	8935%	240%	286%	169%	99%	-49%	-62%	-88%	-62%	-56%	-67%	-83%	-73%

This well was not sampled on the following dates; April, July and October 1993, January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; April 1998; and October 1999, 2001 2003, 2005, 2007 and 2009.

WELL NUMBER 87-17(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-94	Jul-94	Oct-94	Jan-95	Apr-95	Jul-95	Oct-95	Feb-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08
CHLOROMETHANE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
VINYL CHLORIDE	2	101	96	69	103	82	95	125	130	120	91	59	100	100	89	120	91	100	93	110	110	110	220	450	170	120	180
CHLOROETHANE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	2 U	25 U	50 U	1 U	1 U	8 U	1 U
BROMOMETHANE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
1 1-DICHLOROETHENE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	4	2 U	25 U	3	25 U	5 U	1 U	13	5.1	10	3.9	5.4	8 U	1.4
ACETONE	50	50 U	500 U	500 U	250 U	250 U	500 U	250 U	250 U	125 U	125 U	120 U	120 U	50 U	50 U	120 U	25 U	130 U	50 U	10 U	10 U	120 U	250 U	5 U	5 U	40 U	5 U
CARBON DISULFIDE	60	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1.2	5.6	1
METHYLENE CHLORIDE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	3	25 U	61	25 U	5 U	1 U	9	25 U	26	1 U	1 U	22	1 U
TRANS-1 2-DICHLOROETHENE	5*	6	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	4	3	25 U	2	25 U	5 U	3	3	25 U	50 U	3.6	7.1	8 U	2.5
1 1-DICHLOROETHANE	5*	29	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	23	24	38	17	25 U	17	13	44	15	27	22	20	7.4	6.1
CIS-1 2-DICHLOROETHENE	5*	814	747	310	757	655	660	830	610	570	670	450	590	590	530	680	540	440	370	260	400	160	1,500	610	870	460	360
METHYL ETHYL KETONE	50	50 U	500 U	500 U	250 U	250 U	500 U	250 U	250 U	125 U	125 U	120 U	120 U	50 U	50 U	120 U	25 U	25 U	50 U	10 U	10 U	120 U	250 U	5 U	5 U	40 U	5 U
CHLOROFORM	7	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	5	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
1 1 1-TRICHLOROETHANE	5*	196	50 U	50 U	147	142	131	120	80	89	100	61	81	120	100	140	74	64	63	42	210	65	120	87	82	16	13
CARBON TETRACHLORIDE	5	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	23	66	25 U	50 U	1 U	1 U	8 U	1 U
BENZENE	1	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	4 U	4 U	0.7 U	0.7 U	120 U	250 U	1 U	1 U	8 U	1 U
1 2-DICHLOROETHANE	0.6	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
TRICHLOROETHENE	5*	60	104	50 U	55	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	24	13	25 U	28	25 U	11	8	100 U	25	50 U	2.7	4.6	8 U	2.2
1 2-DICHLOROPROPANE	1	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
BROMODICHLOROMETHANE	50	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
MIBK	No Given Value	50 U	500 U	500 U	250 U	250 U	500 U	250 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	10 U	50 U	50 U	10 U	10 U	120 U	250 U	5 U	5 U	40 U	5 U
TOLUENE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
1 1 2-TRICHLOROETHANE	1	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
TETRACHLOROETHENE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
2-HEXANONE	50	50 U	500 U	500 U	250 U	250 U	500 U	250 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	10 U	50 U	50 U	10 U	10 U	120 U	250 U	5 U	5 U	40 U	5 U
DIBROMOCHLOROMETHANE	50	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
CHLOROBENZENE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
ETHYLBENZENE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
P-XYLENE/M-XYLENE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	75 U	150 U	2 U	2 U	16 U	2 U
O-XYLENE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
STYRENE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
BROMOFORM	50	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	50 U	50 U	25 U	25 U	50 U	25 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	25 U	5 U	1 U	1 U	25 U	50 U	1 U	1 U	8 U	1 U
Total VOCs (minus Carbon Disulfide)		1,206	947	379	1,062	879	886	1,075	820	779	861	570	771	865	767	978	816	604	554	459	855	380	1,903	1,179	1,159	625	565
Percent change			-21%	-69%	-12%	-27%	-27%	-11%	-32%	-35%	-29%	-53%	-36%	-28%	-36%	-19%	-32%	-50%	-54%	-62%	-29%	-68%	58%	-2%	-4%	-48%	-53%

This well was not sampled on the following dates: April, July and October 1993; January 1994; April 1998.
This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-17(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-09	Oct-10	Oct-11	Nov-12	Apr-13	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	0.35 U	0.35 U	0.35 U	3.5 U	1 U	1.4 U	1.4 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
VINYL CHLORIDE	2	140	130	340	420	400	230	310	260	150	280	320	340	290	220	290	260	260
CHLOROETHANE	5*	0.32 U	0.32 U	0.32 U	3.2 U	0.68	1.3 U	1.3 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
BROMOMETHANE	5*	0.28 U	0.69 U	0.69 U	6.9 U	1 U	2.8 U	2.8 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1 1-DICHLOROETHENE	5*	1.6	0.89	13	8.3	11	11	4.7	1.4	0.91	1.5	1.4	1.3	2.5 U	1.2	1.8	1.3	1.2J
ACETONE	50	1.3 U	3.0 U	3 U	30 U	1 U	12 U	12 U	10 U	1.4	1.8	10 U	5.0 U	13 U	10 U	5.2	10 U	10 U
CARBON DISULFIDE	60	0.19 U	1.5	1.7	8.9	0.40	2.0	0.76 U	2.9	1.5	1.4	1.4	1.2	2.5 U	2.0 U	2.4	0.85	1.6
METHYLENE CHLORIDE	5*	0.44 U	0.44 U	0.44	4.4 U	1 U	1.8 U	1.8 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	12	2.0 U	2.0 U
TRANS-1 2-DICHLOROETHENE	5*	2.3	2.2	3.1	9.0 U	3.3	3.6 U	3.6 U	2.1	2.5	2.2	2.3	2.2	1.8	2	2	2.4	2.0
1 1-DICHLOROETHANE	5*	5.1	3.9	16	64	59	38	32	27	21	26	23	25	22	20	23	20	19
CIS-1 2-DICHLOROETHENE	5*	280	240	900	850	480	250	220	160	130	130	110	120	97	92	190	110	120
METHYL ETHYL KETONE	50	1.3 U	1.3 U	1.3 U	13 U	5 U	5.3 U	5.3 U	10 U	5.0 U	5.0 U	10 U	5.0 U	13 U	10 U	10 U	10 U	10 U
CHLOROFORM	7	0.34 U	0.34 U	0.34 U	3.4 U	1 U	1.4 U	1.4 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1 1 1-TRICHLOROETHANE	5*	11	6.4	93	500	450	240	170	140	89	110	100	100	100	89	89	72	74
CARBON TETRACHLORIDE	5	0.27 U	0.27 U	0.27 U	2.7 U	1 U	1.1 U	1.1 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	1	0.41 U	0.41 U	0.41 U	4.1 U	1 U	1.6 U	1.6 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	0.21 U	0.21 U	2.1 U	1 U	0.84 U	0.84 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
TRICHLOROETHENE	5*	2.9	2.3	3.9	13	7.5	4.1	5.0	13	18	2.7	2.7	3.2	2.3	2.1	140	51	1.9
1 2-DICHLOROPROPANE	1	0.32 U	0.72 U	0.72 U	7.2 U	1 U	2.9 U	2.9 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
BROMODICHLOROMETHANE	50	0.39 U	0.39 U	0.39 U	3.9 U	1 U	1.6 U	1.6 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	0.36 U	0.36 U	3.6 U	1 U	1.4 U	1.4 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
MIBK	No Given Value	0.91 U	2.1 U	2.1 U	21 U	5 U	8.4 U	8.4 U	10 U	5.0 U	5.0 U	10 U	5.0 U	13 U	10 U	10 U	10 U	10 U
TOLUENE	5*	0.51 U	0.51 U	0.51 U	5.1 U	1 U	2.0 U	2.0 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	0.37 U	0.37 U	3.7 U	1 U	1.5 U	1.5 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	0.23 U	0.23 U	2.3 U	1 U	0.92 U	0.92 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
TETRACHLOROETHENE	5*	0.36 U	0.36 U	0.36 U	3.6 U	1 U	1.4 U	1.4 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	12 U	1 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	13 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	50	0.32 U	0.32 U	0.32 U	3.2 U	1 U	1.3 U	1.3 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
CHLOROBENZENE	5*	0.32 U	0.75 U	0.75 U	7.5 U	1 U	3.0 U	3.0 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
ETHYLBENZENE	5*	0.18 U	0.74 U	0.74 U	7.4 U	1 U	3.0 U	3.0 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	0.66 U	0.66 U	6.6 U	2 U	2.6 U	2.6 U	6 U	2.0 U	2.0 U	4.0 U	2.0 U	5.0 U	4.0 U	4.0 U	4.0 U	4.0 U
O-XYLENE	5*	0.36 U	0.76 U	0.76 U	7.6 U	1 U	3.0 U	3.0 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
STYRENE	5*	0.18 U	0.73 U	0.73 U	7.3 U	1 U	2.9 U	2.9 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
BROMOFORM	50	0.26 U	0.26 U	0.26 U	2.6 U	1 U	1.0 U	1.0 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	0.21 U	0.21 U	2.1 U	1 U	0.84 U	0.84 U	2 U	1.0 U	1.0 U	2.0 U	1.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs (minus Carbon Disulfide)		443	386	1,369	1,855	1,411	773	742	604	413	554	559	592	513	426	753	517	477
Percent change		-63%	-68%	14%	54%	17%	-36%	-38%	-50%	-66%	-54%	-54%	-51%	-57%	-65%	-38%	-57%	-60%

This well was not sampled on the following dates: April, July and October 1993; January 1994; April 1998.
This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-18(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-96	Apr-96	Apr-97	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10
CHLOROMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 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
VINYL CHLORIDE	2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.24 U	0.90 U
CHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U
BROMOMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.28 U	0.69 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 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
ACETONE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U
CARBON DISULFIDE	60	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	29	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.19 U	0.19 U
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	0.5 U	0.5 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
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.42 U	0.90 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 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
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.81 U
METHYL ETHYL KETONE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U
CHLOROFORM	7	0.5 U	0.5 U	0.5 U	0.5 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 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.82 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U
BENZENE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	0.5 U	0.5 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
TRICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.46 U	0.46 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	0.5 U	0.5 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	0.72 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 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
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 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
MIBK	No Given Value	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U
TOLUENE	5*	0.5 U	0.5 U	0.5 U	0.5 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
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 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 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	0.5 U	0.5 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
TETRACHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 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
2-HEXANONE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 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
CHLOROBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.75 U
ETHYLBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.74 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U	0.66 U
O-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.76 U
STYRENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.73 U
BROMOFORM	50	0.5 U	0.5 U	0.5 U	0.5 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 1 2 2-TETRACHLOROETHANE	5*	1 U	1 U	0.5 U	0.5 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
Total VOCs (minus Carbon Disulfide)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent change																		

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; January, April, July and October 1995, July and October 1996, January and July 1997 and April 1998.
This location is no longer part of the current sampling program.

WELL NUMBER 87-19(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-94	Jul-94	Jan-95	Jul-95	Jan-96	Apr-96	Oct-96	Apr-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13
CHLOROMETHANE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
VINYL CHLORIDE	2	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.6	3	1 U	1 U	3	3	7	3	1 U	1 U	1 U	1 U	1 U	4.3	3.7	4.6	3.4	2.3	1.7
CHLOROETHANE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32U
BROMOMETHANE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.28 U	0.69 U	0.69 U	0.69 U	0.69 U
1 1-DICHLOROETHENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
ACETONE	50	50 U	50 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	1.3	5 U	1.3 U	3.0 U	3 U	3.0 U	3.0 U
CARBON DISULFIDE	60	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.8	1 U	0.19 U	0.19 U	0.51 J	0.47	0.19 U
METHYLENE CHLORIDE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.42 U	0.90 U	0.9 U	0.90 U	0.90 U
1 1-DICHLOROETHANE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
CIS-1 2-DICHLOROETHENE	5*	2	5 U	0.9	5 U	4	5	7	6	9	7	8	9	10	20	11	2.8	3.8	1.5	1 U	3	6.4	5.7	6.4	6.1	7.3	7.6
METHYL ETHYL KETONE	50	50 U	50 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
CHLOROFORM	7	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.26 U	0.82 U	0.82 U	0.82 U	0.82 U
CARBON TETRACHLORIDE	5	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
BENZENE	1	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1 2-DICHLOROETHANE	0.6	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.21U	0.21 U	0.21 U	0.21 U	0.21 U
TRICHLOROETHENE	5*	1	5 U	0.5 U	5 U	2	2	3	2	3	3	4	4	3	6	2 U	0.42	0.39	1 U	1 U	1 U	0.83	0.46 U	0.46 U	0.46 U	0.46 U	0.56
1 2-DICHLOROPROPANE	1	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U	0.72 U	0.72 U	0.72 U	0.72 U
BROMODICHLOROMETHANE	50	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
MIBK	No Given Value	50 U	50 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U	2.1 U	2.1 U	2.1 U
TOLUENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1 1 2-TRICHLOROETHANE	1	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TETRACHLOROETHENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2-HEXANONE	50	50 U	50 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
DIBROMOCHLOROMETHANE	50	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
CHLOROBENZENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U	0.75 U	0.75 U	0.75 U	0.75 U
ETHYLBENZENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.18 U	0.74 U	0.74 U	0.74 U	0.74 U
P-XYLENE/M-XYLENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
O-XYLENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U	0.76 U	0.76 U	0.76 U	0.76 U
STYRENE	5*	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.18 U	0.73 U	0.73 U	0.73 U	0.73 U
BROMOFORM	50	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	5 U	0.5 U	5 U	1 U	1 U	0.5 U	0.5 U	0.5 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	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Total VOCs (minus Carbon Disulfide)		3	0	1	0	6	7	10	9	15	10	12	16	16	33	14	3	4	2	0	4	12	9	11	10	10	10
Percent change			-100%	-70%	-100%	100%	133%	233%	187%	400%	233%	300%	433%	433%	1000%	367%	7%	40%	-50%	-100%	43%	284%	213%	267%	217%	220%	229%

This well was not sampled on the following dates: April, July and October 1993; April and October 1994; April and October 1995; July 1996 and January and July 1997.

WELL NUMBER 87-19(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-14	Oct-15	Oct-16	Nov-17	Oct-18
CHLOROMETHANE	5*	0.35 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.90 U	2.5	1.7	1.9	3.5
CHLOROETHANE	5*	0.32 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.69 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	0.29 U	1.0 U	1.0 U	1.0 U	1.0 U
ACETONE	50	3.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON DISULFIDE	60	0.19 U	0.25	1.0 U	1.0 U	1.6
METHYLENE CHLORIDE	5*	0.44 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	0.90 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	0.38 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	4.4	5.9	5.8	5.3	5.3
METHYL ETHYL KETONE	50	1.3 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	0.34 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	0.82 U	1.0 U	1.0 U	1.0 U	1.0 U
CARBON TETRACHLORIDE	5	0.27 U	1.0 U	1.0 U	1.0 U	1.0 U
BENZENE	1	0.41 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	0.46 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROPROPANE	1	0.72 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.39 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	1.0 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	2.1 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 U	1.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	1.2 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.32 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.75 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.74 U	1.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	0.76 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	0.73 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	0.26 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		4	8	8	7	9
Percent change		47%	180%	150%	140%	193%

This well was not sampled on the following dates: April, July and October 1993; April and October 1994; April and October 1995; July 1996 and January and July 1997.

WELL NUMBER 87-20(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jul-93	Jan-94	Jul-94	Jan-95	Jan-96	Apr-96	Oct-96	Jul-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	
CHLOROMETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	
VINYL CHLORIDE	2	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.24 U	0.90 U	0.9 U	0.90 U	0.90 U	
CHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
BROMOMETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.28 U	0.69 U	0.69 U	0.69 U	0.69 U	
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	
ACETONE	50	20 U	50 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	10 U	2.6	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U	3 U	3.0 U	3.0 U
CARBON DISULFIDE	60	0.5 U	0.5 U	1 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.42	1 U	0.19 U	0.19 U	0.19 U	1.0	0.19 U	
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.42 U	0.90 U	0.9 U	0.90 U	0.90 U	
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	1 U	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.79	1 U	1 U	1 U	1 U	0.38 U	0.81 U	0.81 U	0.81 U	0.81 U	
METHYL ETHYL KETONE	50	20 U	50 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	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
CHLOROFORM	7	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
1 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.26 U	0.82 U	0.82 U	0.82 U	0.82 U	
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
BENZENE	1	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	
TRICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.6	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U	0.72 U	0.72 U	0.72 U	0.72 U	
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	
MIBK	No Given Value	20 U	50 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	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U	2.1 U	2.1 U	2.1 U
TOLUENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	
TETRACHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	
2-HEXANONE	50	20 U	50 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	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
CHLOROBENZENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U	0.75 U	0.75 U	0.75 U	0.75 U	
ETHYLBENZENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.18 U	0.74 U	0.74 U	0.74 U	0.74 U	
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	
O-XYLENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U	0.76 U	0.76 U	0.76 U	0.76 U	
STYRENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.18 U	0.73 U	0.73 U	0.73 U	0.73 U	
BROMOFORM	50	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 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	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	
Total VOCs (minus Carbon Disulfide)		0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	
Percent change																												

This well was not sampled on the following dates: April and October 1993; April and October 1994; April, July and October 1995; July 1996 and January and April 1997.

WELL NUMBER 87-20(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-14	Oct-15	Apr-16	Oct-16	Nov-17	Oct-18
CHLOROMETHANE	5*	0.35 U	1 U	1 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.90 U	1 U	1 U	1.0 U	1.0 U	1.0 U
CHLOROETHANE	5*	0.32 U	1 U	1 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.69 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	0.29 U	1 U	1 U	1.0 U	1.0 U	1.0 U
ACETONE	50	3.0 U	5 U	5 U	1.4	1.0 U	1.0 U
CARBON DISULFIDE	60	0.19 U	1 U	1 U	1.0 U	1.0 U	0.79
METHYLENE CHLORIDE	5*	0.44 U	1 U	1 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	0.90 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	0.38 U	1 U	1 U	1.0 U	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	0.81 U	1 U	1 U	1.0 U	1.0 U	1.0 U
METHYL ETHYL KETONE	50	1.3 U	5 U	5 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	0.34 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	0.82 U	1 U	1 U	1.0 U	1.0 U	1.0 U
CARBON TETRACHLORIDE	5	0.27 U	1 U	1 U	1.0 U	1.0 U	1.0 U
BENZENE	1	0.41 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	1 U	1 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	0.46 U	0.24	1 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROPROPANE	1	0.72 U	1 U	1 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.39 U	1 U	1 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	1 U	1 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	2.1 U	5 U	5 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	0.51 U	1 U	1 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	1 U	1 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 U	1 U	1 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	1.2 U	5 U	5 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.32 U	1 U	1 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.75 U	1 U	1 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.74 U	1 U	1 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	2 U	2 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	0.76 U	1 U	1 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	0.73 U	1 U	1 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	0.26 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		0	0	0	1	0	0
Percent change							

This well was not sampled on the following dates: April and October 1993; April and October 1994; April, July and October 1995; July 1996 and January and April 1997.

WELL NUMBER 87-20(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Jul-95	Jan-96	Apr-96	Oct-96	Apr-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Dec-01	Oct-02	Oct-03	Oct-04	Oct-06	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13
CHLOROMETHANE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	3.5 U	0.35 U	0.35 U	35 U	35 U
VINYL CHLORIDE	2	281	5,000 U	207	1,000 U	250 U	1,250 U	340	1,000 U	1,000 U	500 U	1,200 U	720	200 U	510	500 U	1,100	500 U	200 U	350	50	650	520	670	540	1,300	1,500
CHLOROETHANE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	1,000 U	200 U	500 U	1 U	200 U	3.2 U	0.32 U	0.32 U	32 U	32 U
BROMOMETHANE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	2.8 U	0.69 U	0.69 U	69 U	69 U
1 1-DICHLOROETHENE	5*	125 U	5,000 U	17	1,000 U	250 U	1,250 U	51	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	25	200 U	19	15	15	29 U	29 U
ACETONE	50	1,250 U	50,000 U	50 U	10,000 U	2,500 U	12,500 U	125 U	5,000 U	5,000 U	2,500 U	6,200 U	1,000 U	2,000 U	5,000 U	6,300 U	500 U	5,000 U	1,000 U	2,500 U	5 U	1,000 U	13 U	3.0 U	3 U	300 U	300 U
CARBON DISULFIDE	60	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	0.72	200 U	1.9 U	2	0.93 U	19 U	19 U
METHYLENE CHLORIDE	5*	24,800	15,600	1,250	2,680	524	1,250 U	1,000	1,000 U	1,000 U	500 U	1,200 U	200 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	250	1 U	200 U	4.4 U	0.44 U	0.44 U	44 U	44 U
TRANS-1 2-DICHLOROETHENE	5*	125 U	5,000 U	27	1,000 U	250 U	1,250 U	110	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	43	200 U	22	29	24	90 U	90 U
1 1-DICHLOROETHANE	5*	125 U	5,000 U	33	1,000 U	250 U	1,250 U	35	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	18	200 U	13	12	13	38 U	38 U
CIS-1 2-DICHLOROETHENE	5*	21,600	13,700	1,280	9,360	5,320	16,800	21,000	21,000	11,000	14,000	12,000	9,700	11,000	12,000	3,300	15,000	11,000	5,000	17,000	1,700	17,000	12,000	12,000	8,100	4,200	8,300
METHYL ETHYL KETONE	50	1,250 U	50,000 U	50 U	33,700	2,500 U	12,500 U	125 U	5,000 U	13,000	2,500 U	6,200 U	1,000 U	2,000 U	5,000 U	6,300 U	500 U	5,000 U	1,000 U	2,500 U	5 U	1,000 U	13 U	1.3 U	1.3 U	130 U	130 U
CHLOROFORM	7	125 U	5,000 U	9	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1.7	200 U	3.4 U	1.4	1.7	34 U	34 U
1 1 1-TRICHLOROETHANE	5*	595	5,000 U	480	1,000 U	250 U	1,250 U	300	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	96	200 U	34	35	48	82 U	82 U
CARBON TETRACHLORIDE	5	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	1500 U	200 U	500 U	1 U	200 U	2.7 U	0.27 U	0.27 U	27 U	27 U
BENZENE	1	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	70 U	140 U	140 U	180 U	14 U	350 U	200 U	500 U	1 U	200 U	4.1 U	0.41 U	0.41 U	41 U	41 U
1 2-DICHLOROETHANE	0.6	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	2.1 U	0.21 U	0.21 U	21 U	21 U
TRICHLOROETHENE	5*	88,500	51,000	4,140	38,600	20,400	28,200	40,000	24,000	6,000	4,000	2,800	430	1,800	1,000 U	1,300 U	1,300	2,800	1,500	3,400	810	110	99	95	50	46 U	46 U
1 2-DICHLOROPROPANE	1	125 U	5,000 U	5 U	1,000 U	250 U	12,500 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	3.2 U	0.72 U	0.72 U	72 U	72 U
BROMODICHLOROMETHANE	50	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	3.9 U	0.39 U	0.39 U	39 U	39 U
CIS-1 3-DICHLOROPROPENE	0.4**	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	3.6 U	0.36 U	0.36 U	36 U	36 U
MIBK	No Given Value	1,250 U	50,000 U	50 U	10,000 U	2,500 U	12,500 U	125 U	2,000 U	2,000 U	1,000 U	2,500 U	1,000 U	2,000 U	2,000 U	2,500 U	200 U	5,000 U	1,000 U	2,500 U	5 U	1,000 U	9.1 U	2.1 U	2.1 U	210 U	210 U
TOLUENE	5*	125 U	5,000 U	16	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1.1	200 U	5.1 U	1.1	0.51 U	51 U	51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	3.7 U	0.37 U	0.37 U	37 U	37 U
1 1 2-TRICHLOROETHANE	1	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	2.3 U	0.23 U	0.23 U	23 U	23 U
TETRACHLOROETHENE	5*	328	5,000 U	10	1,000 U	250 U	1,250 U	26	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	2.8	200 U	3.6 U	0.36 U	0.36 U	36 U	36 U
2-HEXANONE	50	1,250 U	50,000 U	50 U	10,000 U	2,500 U	12,500 U	125 U	2,000 U	2,000 U	1,000 U	2,500 U	1,000 U	2,000 U	2,000 U	2,500 U	200 U	5,000 U	1,000 U	2,500 U	5 U	1,000 U	12 U	1.2 U	1.2 U	120 U	120 U
DIBROMOCHLOROMETHANE	50	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	3.2 U	0.32 U	0.32 U	32 U	32 U
CHLOROBENZENE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	3.2 U	0.75 U	0.75 U	75 U	75 U
ETHYLBENZENE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	0.5	200 U	1.8 U	0.74 U	0.74 U	74 U	74 U
P-XYLENE/M-XYLENE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	600 U	1,500 U	2 U	600 U	6.6 U	0.66 U	0.66 U	66 U	66 U
O-XYLENE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	0.95	200 U	3.6 U	0.76 U	0.76 U	76 U	76 U
STYRENE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	1.8 U	0.73 U	0.73 U	73 U	73 U
BROMOFORM	50	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	2.6 U	0.26 U	0.26 U	26 U	26 U
1 1 2 2-TETRACHLOROETHANE	5*	125 U	5,000 U	5 U	1,000 U	250 U	1,250 U	25 U	1,000 U	1,000 U	500 U	1,200 U	100 U	200 U	1,000 U	1,300 U	100 U	500 U	200 U	500 U	1 U	200 U	2.1 U	0.21 U	0.21 U	21 U	21 U
Total VOCs (minus Carbon Disulfide)		136,104	80,300	7,469	84,340	26,244	45,000	62,862	45,000	30,000	18,000	14,800	10,850	12,800	12,510	3,300	17,400	13,800	6,500	21,000	2,749	17,760	12,707	12,859	8,792	5,500	9,800
Percent change			-41%	-95%	-38%	-81%	-67%	-54%	-67%	-78%	-87%	-89%	-92%	-91%	-91%	-98%	-87%	-90%	-95%	-85%	-98%	-87%	-91%	-91%	-94%	-96%	-93%

This well was not sampled on the following dates; April and October 1994; April and October 1995; July 1996; January and July 1997 and October 2005.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-20(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-14	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	35 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
VINYL CHLORIDE	2	1,600	1,600	830	760	1,600	460	1,200	440	420	730	780
CHLOROETHANE	5*	32 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
BROMOMETHANE	5*	69 U	25 U	50 U	9.0	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1 1-DICHLOROETHENE	5*	29 U	18	50 U	25 U	50 U	5.0 U	25 U	3.8	4.8	7.6	5.6
ACETONE	50	300 U	130 U	250 U	130 U	250 U	25 U	130 U	50 U	50 U	50 U	100 U
CARBON DISULFIDE	60	19 U	25 U	50 U	25 U	50 U	6.5	24	10 U	12	18	22
METHYLENE CHLORIDE	5*	44 U	25 U	50 U	25 U	50 U	5.0 U	20	10 U	10 U	10 U	20 U
TRANS-1 2-DICHLOROETHENE	5*	90 U	24	50 U	17.0	50 U	3.0	25 U	4.3	3.7	7.7	6.6
1 1-DICHLOROETHANE	5*	38 U	19	18	13	16	4.7	12	5.1	8.2	11	9.4
CIS-1 2-DICHLOROETHENE	5*	8,700	6,800	4,700	6,200	4,800	670	2,800	1,200	1,100	2,300	1,800
METHYL ETHYL KETONE	50	130 U	130 U	250 U	130 U	250 U	25 U	130 U	50 U	50 U	50 U	100 U
CHLOROFORM	7	34 U	25 U	18	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1 1 1-TRICHLOROETHANE	5*	82 U	23	22	26	21	4.7	14	6.4	7.1	14	11
CARBON TETRACHLORIDE	5	27 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
BENZENE	1	41 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1 2-DICHLOROETHANE	0.6	21 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
TRICHLOROETHENE	5*	46 U	26	19	34	39	13	47	24	18	28	20
1 2-DICHLOROPROPANE	1	72 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
BROMODICHLOROMETHANE	50	39 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
CIS-1 3-DICHLOROPROPENE	0.4**	36 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
MIBK	No Given Value	210 U	130 U	250 U	130 U	250 U	25 U	130 U	50 U	50 U	50 U	100 U
TOLUENE	5*	51 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
TRANS-1 3-DICHLOROPROPENE	0.4**	37 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1 1 2-TRICHLOROETHANE	1	23 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
TETRACHLOROETHENE	5*	36 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
2-HEXANONE	50	120 U	130 U	250 U	130 U	250 U	25 U	130 U	50 U	50 U	50 U	100 U
DIBROMOCHLOROMETHANE	50	32 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
CHLOROBENZENE	5*	75 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
ETHYLBENZENE	5*	74 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
P-XYLENE/M-XYLENE	5*	66 U	50 U	100 U	50 U	100 U	10 U	50 U	20 U	20 U	20 U	40 U
O-XYLENE	5*	76 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
STYRENE	5*	73 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
BROMOFORM	50	26 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
1 1 2 2-TETRACHLOROETHANE	5*	21 U	25 U	50 U	25 U	50 U	5.0 U	25 U	10 U	10 U	10 U	20 U
Total VOCs (minus Carbon Disulfide)		10,300	8,510	5,607	7,059	6,476	1,155	4,093	1,684	1,562	3,098	2,633
Percent change		-92%	-94%	-96%	-95%	-95%	-99%	-97%	-99%	-99%	-98%	-98%

This well was not sampled on the following dates; April and October 1994; April and October 1995; July 1996; January and July 1997 and October 2005.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-21(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Jul-95	Jan-96	Apr-96	Oct-96	Apr-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10
CHLOROMETHANE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.35 U	0.35 U
VINYL CHLORIDE	2	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	4	130	20 U	54	5	2 U	1 U	24	2 U	1 U	1 U	1 U	9.7	2.4	0.24 U	0.90 U
CHLOROETHANE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	20 U	2 U	1 U	1 U	1 U	1 U	4 U	0.32 U	0.32 U
BROMOMETHANE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.28 U	0.69 U
1 1-DICHLOROETHENE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	6	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	0.6	4 U	0.29 U	0.7
ACETONE	50	50 U	50 U	1,250 U	50 U	500 U	500 U	250 U	125 U	125 U	25 U	50 U	25 U	200 U	100 U	100 U	25 U	10 U	100 U	10 U	5 U	5 U	5 U	5 U	20 U	1.3 U	3.0 U
CARBON DISULFIDE	60	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	10	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.19 U	0.19 U
METHYLENE CHLORIDE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	40 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.44 U	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	5 U	125 U	6	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	9	20 U	10 U	10 U	5 U	1 U	10 U	0.81	1 U	1 U	0.67	1.7	4 U	0.99	1.4
1 1-DICHLOROETHANE	5*	5 U	7	125 U	6	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1	10 U	2 U	1 U	0.98	1.6	1.5	4 U	2.8	2.6
CIS-1 2-DICHLOROETHENE	5*	565	1,720	802	1,000	999	575	739	270	160	340	160	2,100	37	1,200	160	31	140	1,900	60	17	47	73	370	200	98	140
METHYL ETHYL KETONE	50	50 U	50 U	1,250 U	50 U	500 U	500 U	250 U	125 U	125 U	25 U	50 U	25 U	200 U	100 U	100 U	25 U	10 U	100 U	10 U	5 U	5 U	5 U	5 U	20 U	1.3 U	1.3 U
CHLOROFORM	7	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	3.9	1.2	1.5	0.99	0.57	1.8	1.4	1.7
1 1 1-TRICHLOROETHANE	5*	22	67	125 U	36	50 U	50 U	25 U	25 U	25 U	6	2.5 U	10	20 U	10 U	10 U	5 U	1 U	10 U	2.5	0.86	2.2	5.9	4	15	13	11
CARBON TETRACHLORIDE	5	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	30 U	2 U	1 U	1 U	1 U	1 U	4 U	0.27 U	0.27 U
BENZENE	1	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	14 U	7 U	0.7 U	0.7 U	0.7 U	7 U	2 U	1 U	1 U	1 U	1 U	4 U	0.41 U	0.41 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.21 U	0.21 U
TRICHLOROETHENE	5*	200	1,240	375	590	431	225	247	50	28	53	15	99	20 U	700	21	7	30	270	18	3.7	5.8	13	16	15	10	9.8
1 2-DICHLOROPROPANE	1	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.32 U	0.72 U
BROMODICHLOROMETHANE	50	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.39 U	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.36 U	0.36 U
MIBK	No Given Value	50 U	50 U	1,250 U	50 U	500 U	500 U	250 U	125 U	50 U	10 U	50 U	10 U	200 U	100 U	100 U	10 U	10 U	100 U	10 U	5 U	5 U	5 U	5 U	20 U	0.91 U	2.1 U
TOLUENE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.51 U	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.37 U	0.37 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.23 U	0.23 U
TETRACHLOROETHENE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.36 U	0.36 U
2-HEXANONE	50	50 U	50 U	1,250 U	50 U	500 U	500 U	250 U	125 U	50 U	10 U	50 U	10 U	200 U	100 U	100 U	10 U	10 U	100 U	10 U	5 U	5 U	5 U	5 U	20 U	1.2 U	1.2 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.32 U	0.32 U
CHLOROBENZENE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.32 U	0.75 U
ETHYLBENZENE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.18 U	0.74 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	6 U	3 U	2 U	2 U	2 U	12 U	0.66 U	0.66 U
O-XYLENE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.36 U	0.76 U
STYRENE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.18 U	0.73 U
BROMOFORM	50	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.26 U	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	125 U	5 U	50 U	50 U	25 U	25 U	25 U	5 U	2.5 U	5 U	20 U	10 U	10 U	5 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	4 U	0.21 U	0.21 U
Total VOCs (minus Carbon Disulfide)		787	3,034	1,177	1,638	1,430	800	986	320	188	399	179	2,354	37	1,954	186	38	171	2,194	85	23	57	95	404	234	126	167
Percent change			286%	50%	108%	82%	2%	25%	-59%	-76%	-49%	-77%	199%	-95%	148%	-76%	-95%	-78%	179%	-89%	-97%	-93%	-88%	-49%	-70%	-84%	-79%

This well was not sampled on the following dates: April and October 1994; April and October 1995; July 1996; January and July 1997.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-21(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Oct-18
CHLOROMETHANE	5*	0.35 U	0.35 U	0.35 U	0.35 U	1 U	2.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	1.8	1.7	1.7	8.8	36	77	1.0 U	1.0 U
CHLOROETHANE	5*	0.32 U	0.32 U	0.32 U	0.32 U	1 U	2.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.69 U	0.69 U	0.69 U	0.69 U	1 U	2.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	1.1	0.63	0.29 U	0.29 U	1 U	2.0 U	1.0 U	1.0 U
ACETONE	50	3 U	3.0 U	3.0 U	3.0 U	5 U	2.7	5.0 U	5.0 U
CARBON DISULFIDE	60	0.19 U	0.19 U	0.19 U	0.19 U	1 U	2.0 U	1.0 U	1.3
METHYLENE CHLORIDE	5*	0.44 U	0.44 U	0.44 U	0.44 U	1 U	2.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	1.3	0.90 U	0.90 U	0.90 U	0.92	6.7	0.54	0.34
1 1-DICHLOROETHANE	5*	4.3	0.93	2.2	1.7	2.4	3.1	2.0	1.6
CIS-1 2-DICHLOROETHENE	5*	110	27	51	95	200	460	7.6	5.7
METHYL ETHYL KETONE	50	1.3 U	1.3 U	1.3 U	1.3 U	5 U	10 U	5.0	5.0
CHLOROFORM	7	1.4	0.34 U	0.34 U	0.34 U	0.37	0.62	1.1	1.4
1 1 1-TRICHLOROETHANE	5*	48	3.5	3.7 U	2.9	2.8	3.5	2.8	1.7
CARBON TETRACHLORIDE	5	0.27 U	0.27 U	0.27 U	0.27 U	1 U	2.0 U	1.0 U	1.0 U
BENZENE	1	0.41 U	0.41 U	0.41 U	0.41 U	1 U	2.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	0.21 U	0.21 U	0.21 U	1 U	2.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	16	4.2	4.7	4.2	5.2	5.4	3.1	3.5
1 2-DICHLOROPROPANE	1	0.72 U	0.72 U	0.72 U	0.72 U	1 U	2.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.39 U	0.39 U	0.39 U	0.39 U	1 U	2.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	0.36 U	0.36 U	0.36 U	1 U	2.0 U	1.0 U	1.0 U
MIBK	No Given Value	2.1 U	2.1 U	2.1 U	2.1 U	5 U	10 U	5.0 U	5.0 U
TOLUENE	5*	0.51 U	0.51 U	0.51 U	0.51 U	1 U	2.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	0.37 U	0.37 U	0.37 U	1 U	2.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	0.23 U	0.23 U	0.23 U	1 U	2.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 U	0.36 U	0.36 U	0.36 U	1 U	2.0 U	1.0 U	1.0 U
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	1.2 U	5 U	10 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.32 U	0.32 U	0.32 U	0.32 U	1 U	2.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.75 U	0.75 U	0.75 U	0.75 U	1 U	2.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.74 U	0.74 U	0.74 U	0.74 U	1 U	2.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	0.66 U	0.66 U	0.66 U	2 U	4.0 U	2.0 U	2.0 U
O-XYLENE	5*	0.76 U	0.76 U	0.76 U	0.76 U	1 U	2.0 U	1.0 U	1.0 U
STYRENE	5*	0.73 U	0.73 U	0.73 U	0.73 U	1 U	2.0 U	1.0 U	1.0 U
BROMOFORM	50	0.26 U	0.26 U	0.26 U	0.26 U	1 U	2.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	0.21 U	0.21 U	0.21 U	1 U	2.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		184	38	60	113	248	559	22	19
Percent change		-77%	-95%	-92%	-86%	-69%	-29%	-97%	-98%

This well was not sampled on the following dates: April and October 1994; April and October 1995; July 1996; January and July 1997.
This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 87-22(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-96	Apr-96	Apr-97	Apr-98
CHLOROMETHANE	5*	0.5 U	0.5 U	0.5 U	1 U
VINYL CHLORIDE	2	0.5 U	0.5 U	0.5 U	1 U
CHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	1 U
BROMOMETHANE	5*	0.5 U	0.5 U	0.5 U	1 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	1 U
ACETONE	50	10 U	10 U	10 U	10 U
CARBON DISULFIDE	60	0.5 U	0.5 U	0.5 U	1 U
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	0.5 U	2 U
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	1 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	1 U
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	1 U
METHYL ETHYL KETONE	50	10 U	10 U	10 U	10 U
CHLOROFORM	7	0.5 U	0.5 U	0.5 U	1 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	1 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	0.5 U	1 U
BENZENE	1	0.5 U	0.5 U	0.5 U	0.7 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	0.5 U	1 U
TRICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	1 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	0.5 U	1 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	1 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	1 U
MIBK	No Given Value	10 U	10 U	10 U	10 U
TOLUENE	5*	0.5 U	0.5 U	0.5 U	1 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	1 U
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	0.5 U	1 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	1 U
2-HEXANONE	50	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	1 U
CHLOROBENZENE	5*	0.5 U	0.5 U	0.5 U	1 U
ETHYLBENZENE	5*	0.5 U	0.5 U	0.5 U	1 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	0.5 U	1 U
O-XYLENE	5*	0.5 U	0.5 U	0.5 U	1 U
STYRENE	5*	0.5 U	0.5 U	0.5 U	1 U
BROMOFORM	50	0.5 U	0.5 U	0.5 U	1 U
1 1 2 2-TETRACHLOROETHANE	5*	1 U	1 U	0.5 U	1 U
Total VOCs (minus Carbon Disulfide)		0	0	0	0
Percent change					

This well was abandoned due to excessive damage in 2005.

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; January, April, July and October 1995; July and October 1996; January, July and October 1997; and October 1998, 1999, 200, 2001, 2002, 2003, 2004, 2005.

WELL NUMBER 87-22(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-94	Apr-94	Jul-94	Oct-94	Jan-95	Apr-95	Jul-95	Oct-95	Jan-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08
CHLOROMETHANE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	120	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
VINYL CHLORIDE	2	114	200	274	250 U	250 U	250 U	250 U	390	260	250 U	170	120 U	120 U	180	50	250	130	210	84	270	1,100	50	61	230	210	120	160
CHLOROETHANE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	100 U	1 U	2 U	1 U	40 U	20 U	10 U
BROMOMETHANE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
1 1-DICHLOROETHENE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	11	50 U	0.79	0.67	5.3	40 U	20 U	10 U
ACETONE	50	50 U	1,250 U	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U	1,250 U	1,250 U	625 U	620 U	620 U	620 U	100 U	500 U	630 U	630 U	250 U	10 U	500 U	2.5	10 U	5 U	200 U	100 U	50 U
CARBON DISULFIDE	60	7	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	0.25	2 U	1 U	40 U	20 U	3.6
METHYLENE CHLORIDE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	6	100 U	130 U	130 U	50 U	1 U	50 U	1 U	1.2	1 U	69	21	10 U
TRANS-1 2-DICHLOROETHENE	5*	12	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5	100 U	130 U	130 U	50 U	28	50 U	3.2	2.7	8.5	40 U	20 U	4.6
1 1-DICHLOROETHANE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	2	50 U	1.5	1.5	2.9	40 U	20 U	10 U
CIS-1 2-DICHLOROETHENE	5*	2,920	3,830	6,320	4,530	7,260	6,810	4,850	6,900	6,700	2,900	5,400	3,000	2,400	3,400	1,000	4,200	1,800	2,700	340	2,700	16,000	280	130	1,400	2,600	1,600	900
METHYL ETHYL KETONE	50	50 U	1,250 U	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U	1,250 U	1,250 U	625 U	620 U	620 U	620 U	100 U	500 U	630 U	630 U	250 U	10 U	500 U	5 U	10 U	5 U	200 U	100 U	50 U
CHLOROFORM	7	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
1 1 1-TRICHLOROETHANE	5*	14	1,010	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	0.3	2 U	0.89	40 U	20 U	10 U
CARBON TETRACHLORIDE	5	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	14	150 U	1 U	2 U	1 U	40 U	20 U	10 U
BENZENE	1	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	18 U	7 U	0.7 U	35 U	1 U	2 U	1 U	200 U	20 U	10 U
1 2-DICHLOROETHANE	0.6	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
TRICHLOROETHENE	5*	2,580	2,850	6,080	2,710	4,023	3,510	2,190	2,900	3,100	1,200	1,900	440	630	650	50	200	130 U	130 U	50 U	15	100 U	1.8	1.6	8.7	40 U	20 U	3.6
1 2-DICHLOROPROPANE	1	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
BROMODICHLOROMETHANE	50	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
MIBK	No Given Value	50 U	1,250 U	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U	1,250 U	500 U	250 U	250 U	250 U	250 U	100 U	200 U	250 U	250 U	100 U	10 U	500 U	5 U	10 U	5 U	200 U	100 U	50 U
TOLUENE	5*	5 U	456	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
1 1 2-TRICHLOROETHANE	1	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
TETRACHLOROETHENE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
2-HEXANONE	50	50 U	1,250 U	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U	1,250 U	500 U	250 U	250 U	250 U	250 U	100 U	200 U	250 U	250 U	100 U	10 U	500 U	5 U	10 U	5 U	200 U	100 U	50 U
DIBROMOCHLOROMETHANE	50	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
CHLOROBENZENE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
ETHYLBENZENE	5*	5 U	188	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
P-XYLENE/M-XYLENE	5*	5 U	883	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	3 U	6 U	2 U	120 U	60 U	30 U
O-XYLENE	5*	5 U	284	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
STYRENE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
BROMOFORM	50	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	125 U	120 U	120 U	120 U	5 U	100 U	130 U	130 U	50 U	1 U	50 U	1 U	2 U	1 U	40 U	20 U	10 U
Total VOCs (minus Carbon Disulfide)		5,640	9,701	12,674	7,240	11,283	10,320	7,040	10,190	10,060	4,100	7,470	3,440	3,030	4,230	1,111	4,770	1,930	2,910	424	3,040	17,100	340	199	1,656	2,879	1,741	1,068
Percent change			72%	125%	28%	100%	83%	25%	81%	78%	-27%	32%	-39%	-46%	-25%	-80%	-15%	-66%	-48%	-92%	-46%	203%	-94%	-96%	-71%	-49%	-69%	-81%

This well was not sampled on the following dates: April, July and October 1993; April 1998.

WELL NUMBER 87-22(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	0.35 U	0.35 U	0.35 U	7.0 U	7.0 U	3.5 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
VINYL CHLORIDE	2	320	490	200	190	500	150	140	430	430	1,100	780	1,100	1,100	1,900	1,700	1,300
CHLOROETHANE	5*	0.32 U	0.32 U	0.32 U	6.4 U	6.4 U	3.2 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
BROMOMETHANE	5*	0.28 U	0.69 U	0.69 U	14 U	14 U	6.9 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1 1-DICHLOROETHENE	5*	6.7	9.1	2.9 U	5.8 U	5.8 U	2.9 U	1.2	4.9	5.0 U	25 U	4.7	20 U	20 U	11	9	7.6
ACETONE	50	1.3 U	3.0 U	3 U	60 U	60 U	30 U	5 U	6.4	25 U	130 U	25 U	100 U	100 U	100 U	100 U	100 U
CARBON DISULFIDE	60	0.19 U	0.84	1.2	3.8 U	3.8 U	1.9 U	1.5	5.0 U	5.0 U	25 U	1.6	20 U	20 U	25	26	20
METHYLENE CHLORIDE	5*	0.44 U	0.44 U	0.44 U	8.8 U	8.8 U	4.4 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
TRANS-1 2-DICHLOROETHENE	5*	9.0	15	6.4	18 U	18 U	9.0 U	2.6	7.3	4.3	12	7.4	17	9.2	15	17	13
1 1-DICHLOROETHANE	5*	3.9	6.1	2.8	7.6 U	7.6 U	3.8 U	4.4	5.4	4.6	9.3	7.2	9.9	7.8	11	11	9
CIS-1 2-DICHLOROETHENE	5*	3,500	4,300	2,000	1,100	2,500	750	460	1,200	820	2,700	1,800	2,500	2,100	3,200	3,300	2,500
METHYL ETHYL KETONE	50	1.3 U	1.3 U	1.3 U	26 U	26 U	13 U	5 U	25 U	25 U	130 U	25 U	100 U	100 U	100 U	100 U	100 U
CHLOROFORM	7	0.34 U	0.75	0.34 U	6.8 U	6.8 U	3.4U	1 U	1.3	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1 1 1-TRICHLOROETHANE	5*	1.3	2.0	0.89 U	16 U	16 U	8.2 U	0.6	5.0 U	5.0 U	25 U	2	20 U	20 U	20 U	20 U	20 U
CARBON TETRACHLORIDE	5	0.27 U	0.27 U	0.27 U	5.4 U	5.4 U	2.7 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
BENZENE	1	0.41 U	0.41 U	0.41 U	8.2 U	8.2 U	4.1 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1 2-DICHLOROETHANE	0.6	0.21 U	0.21 U	0.21 U	4.2 U	4.2 U	2.1 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
TRICHLOROETHENE	5*	9.1	12	4.5	9.2 U	9.2 U	4.6 U	2.2	5.0	2.6	70	5.6	11	9.8	18	20	18
1 2-DICHLOROPROPANE	1	0.32 U	0.72 U	0.72 U	14 U	14 U	7.2 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
BROMODICHLOROMETHANE	50	0.39 U	0.39 U	0.39 U	7.8 U	7.8 U	3.9 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	0.36 U	0.36 U	7.2 U	7.2 U	3.6 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
MIBK	No Given Value	0.91 U	2.1 U	2.1 U	42 U	42 U	21 U	5 U	25 U	25 U	130 U	25 U	100 U	100 U	100 U	100 U	100 U
TOLUENE	5*	0.51 U	0.85	0.51 U	10 U	10 U	5.1 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	0.37 U	0.37 U	7.4 U	7.4 U	3.7 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1 1 2-TRICHLOROETHANE	1	0.23 U	0.23 U	0.23 U	4.6 U	4.6 U	2.3 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
TETRACHLOROETHENE	5*	0.36 U	0.36 U	0.36 U	7.2 U	7.2 U	3.6 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	25 U	25 U	12 U	5 U	25 U	25 U	130 U	25 U	100 U	100 U	100 U	100 U	100 U
DIBROMOCHLOROMETHANE	50	0.32 U	0.32 U	0.32 U	6.4 U	6.4 U	3.2 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
CHLOROBENZENE	5*	0.32 U	0.75 U	0.75 U	15 U	15 U	7.5 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
ETHYLBENZENE	5*	0.18 U	0.74 U	0.74 U	15 U	15 U	7.4 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
P-XYLENE/M-XYLENE	5*	0.66 U	0.66 U	0.66 U	13 U	13 U	6.6 U	2 U	10 U	10 U	50 U	10 U	40 U	40 U	40 U	40 U	40 U
O-XYLENE	5*	0.36 U	0.76 U	0.76 U	15 U	15 U	7.6 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
STYRENE	5*	0.18 U	0.73 U	0.73 U	15 U	15 U	7.3 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
BROMOFORM	50	0.26 U	0.26 U	0.26 U	5.2 U	5.2 U	2.6 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	0.21 U	0.21 U	4.2 U	4.2 U	2.1 U	1 U	5.0 U	5.0 U	25 U	5.0 U	20 U	20 U	20 U	20 U	20 U
Total VOCs (minus Carbon Disulfide)		3,850	4,836	2,214	1,290	3,000	900	611	1,660	1,262	3,891	2,607	3,638	3,227	5,155	5,057	3,848
Percent change		-32%	-14%	-61%	-77%	-47%	-84%	-89%	-71%	-78%	-31%	-54%	-35%	-43%	-9%	-10%	-32%

This well was not sampled on the following dates: April, July and October 1993; April 1998.

WELL NUMBER 87-23(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jul-93	Jan-94	Jul-94	Jan-95	Jul-95	Jan-96	Apr-96	Oct-96	Apr-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-10
CHLOROMETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.35 U
VINYL CHLORIDE	2	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.90 U
CHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U
BROMOMETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.69 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.29 U
ACETONE	50	20 U	50 U	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	3.0 U
CARBON DISULFIDE	60	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.19 U
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.90 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.38 U
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.81 U
METHYL ETHYL KETONE	50	20 U	50 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	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U
CHLOROFORM	7	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.34 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.82 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U
BENZENE	1	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	1	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.21 U
TRICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.9	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.46 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.72 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U
MIBK	No Given Value	20 U	50 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	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	2.1 U
TOLUENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.37 U
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	1	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.23 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U
2-HEXANONE	50	20 U	50 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	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	2	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U
CHLOROBENZENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.75 U
ETHYLBENZENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.74 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U
O-XYLENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.76 U
STYRENE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.73 U
BROMOFORM	50	0.5 U	0.5 U	3	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 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	0.21 U
Total VOCs (minus Carbon Disulfide)		0	0	7	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent change																								

This well was not sampled on the following dates: April and October 1993, April and October 1994, April and October 1995, July 1996, January and July 1997, October 2009.

This location is no longer part of the current sampling program.

WELL NUMBER 89-03(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-94	Jan-95	Jan-96	Oct-96	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09
CHLOROMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.35 U
VINYL CHLORIDE	2	0.5 U	0.5 U	0.5 U	0.5 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	0.24 U
CHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U
BROMOMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.28 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.29 U
ACETONE	50	50 U	10 U	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U
CARBON DISULFIDE	60	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.72	1 U	0.19 U
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.68	1 U	0.42 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.38 U
CIS-1 2-DICHLOROETHENE	5*	9	31	25	39	11	64	40	23	17	10	10	6.2	1 U	18	47	2.5	0.92
METHYL ETHYL KETONE	50	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U
CHLOROFORM	7	0.5 U	0.5 U	0.5 U	0.5 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	0.34 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.26 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U
BENZENE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	0.5 U	0.5 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	0.21 U
TRICHLOROETHENE	5*	0.5 U	0.6	0.5 U	0.5 U	1 U	1 U	1 U	1 U	4	2 U	1.1	1 U	1 U	1 U	1 U	1 U	0.46 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 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	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U
MIBK	No Given Value	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U
TOLUENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 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	0.37 U
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	0.5 U	0.5 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	0.23 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U
2-HEXANONE	50	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U
CHLOROBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U
ETHYLBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.18 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U
O-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U
STYRENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U
BROMOFORM	50	0.5 U	0.5 U	0.5 U	0.5 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	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 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	0.21 U
Total VOCs (minus Carbon Disulfide)		9	32	37	39	12	64	40	23	21	10	11	6	0	18	48	3	1
Percent change			251%	311%	333%	33%	611%	344%	156%	133%	11%	23%	-31%	-100%	100%	430%	-72%	-90%

This well was abandoned due to excessive damage in 2010.

This well was not sampled on the following dates: April, July and October 1993; April, July and October 1994; April, July and October 1995; April and July 1996; and January, April, July, and October 1997.

This location is no longer part of the current sampling program.

WELL NUMBER 89-04(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Jul-95	Jan-96	Apr-96	Oct-96	Apr-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-07	Oct-08	Oct-09	Oct-10	Nov-12	Oct-14	Oct-16	Oct-18
CHLOROMETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.35 U	0.35 U	0.35 U	0.35 U	1.0 U	1.0 U
VINYL CHLORIDE	2	49	36	33	12	24	5 U	5 U	5 U	5 U	5 U	2	5 U	1 U	4	12	1 U	2	3	4.6	1.5	2.1	3.8	0.90 U	1.2	0.90 U	0.40	0.40
CHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	2	4 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U	1.0 U
BROMOMETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.28 U	0.69 U	0.69 U	0.69 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	19	10	6	5 U	7	5 U	6	5 U	5 U	5 U	4	5 U	3	3	4	1 U	1 U	2	1.2	1.1	1 U	1.2	0.52	0.57	0.29 U	1.0 U	0.49
ACETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	10 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	5 U	5 U	1.3 U	3.0 U	3.0 U	3.0 U	1.9	5.0 U
CARBON DISULFIDE	60	98	80	88	73	74	67	94	5 U	42	150	86	110	110	99	83	44	80	84	90	63	57	9.8	15	30	12	11	9.9
METHYLENE CHLORIDE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	5 U	5 U	6	5 U	5 U	5 U	5 U	5 U	5 U	2	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	0.64	0.67	1.6	1.5	1.3	0.90 U	0.41	0.41
1 1-DICHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.38 U	0.38 U	0.38 U	0.38 U	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	96	76	71	40	60	37	39	5 U	18	22	23	22	18	19	29	12	19	17	24	10	8.7	7.7	4.8	3.2	2.3	2.1	2.0
METHYL ETHYL KETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	10 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	5 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	5.0 U	5.0 U
CHLOROFORM	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.34 U	0.34 U	0.34 U	0.34 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.26 U	0.82 U	0.82 U	0.82 U	1.0 U	1.0 U
CARBON TETRACHLORIDE	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	3 U	4 U	1 U	1 U	0.27 U	0.27 U	0.27 U	0.27 U	1.0 U	1.0 U
BENZENE	1	6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	4 U	1 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	12	8	8	7	6	5 U	6	5 U	5 U	6	6	7	6	6	7	4	7	5	4.8	3.7	3.3	1.8	1.7	1.5	1.3	1.4	1.3
1 2-DICHLOROPROPANE	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.32 U	0.72 U	0.72 U	0.72 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.39 U	0.39 U	0.39 U	0.39 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1.0 U	1.0 U
MIBK	No Given Value	50 U	50 U	50 U	50 U	50 U	50 U	50 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	5 U	5 U	0.91 U	2.1 U	2.1 U	2.1 U	5.0 U	5.0 U
TOLUENE	5*	6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.37 U	0.37 U	0.37 U	0.37 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.23 U	0.23 U	0.23 U	0.23 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1.0 U	1.0 U
2-HEXANONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	5 U	5 U	1.2 U	1.2 U	1.2 U	1.2 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U	1.0 U
CHLOROBENZENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.32 U	0.75 U	0.75 U	0.75 U	1.0 U	1.0 U
ETHYLBENZENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.18 U	0.74 U	0.74 U	0.74 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	12 U	2 U	2 U	0.66 U	0.66 U	0.66 U	0.66 U	2.0 U	2.0 U
O-XYLENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.36 U	0.76 U	0.76 U	0.76 U	1.0 U	1.0 U
STYRENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.18 U	0.73 U	0.73 U	0.73 U	1.0 U	1.0 U
BROMOFORM	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		188	130	118	65	97	37	51	0	18	28	37	29	27	32	52	16	28	29	35	17	15	16	9	8	4	6	5
Percent change			-31%	-37%	-65%	-48%	-80%	-73%	-100%	-90%	-85%	-80%	-85%	-86%	-83%	-72%	-91%	-85%	-85%	-82%	-91%	-92%	-91%	-95%	-96%	-98%	-97%	-98%

This well was not sampled on the following dates: April and October 1994; April and October 1995; July 1996; January and July 1997 and October 2004, 2005, 2006, 2011, 2013 and 2015.

WELL NUMBER 89-10(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Dec-18
CHLOROMETHANE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
VINYL CHLORIDE	2	100	360	230	400	160	450	480
CHLOROETHANE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
BROMOMETHANE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
1 1-DICHLOROETHENE	5*	5.1	20	50 U	50 U	50 U	20	33
ACETONE	50	25 U	50 U	250 U	250 U	250 U	250 U	250 U
CARBON DISULFIDE	60	1.3	63	45	210	26	160	360
METHYLENE CHLORIDE	5*	660	3,700	1,600	4,400	860	2,100	3,100
TRANS-1 2-DICHLOROETHENE	5*	3.5	12	50 U	50 U	50 U	50 U	15
1 1-DICHLOROETHANE	5*	5.9	29	50 U	18	13	35	57
CIS-1 2-DICHLOROETHENE	5*	1,400	4,300	1,200	1,900	1,500	3,600	5,000
METHYL ETHYL KETONE	50	25 U	50 U	250 U	250 U	250 U	250 U	250 U
CHLOROFORM	7	2.5	10 U	50 U	50 U	50 U	50 U	50 U
1 1 1-TRICHLOROETHANE	5*	9.4	85	23	31	44	80	120
CARBON TETRACHLORIDE	5	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
BENZENE	1	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
1 2-DICHLOROETHANE	0.6	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
TRICHLOROETHENE	5*	1500.0	17,000	4,600	6,400	7,200	8,900	14,000
1 2-DICHLOROPROPANE	1	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
BROMODICHLOROMETHANE	50	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
CIS-1 3-DICHLOROPROPENE	0.4**	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
MIBK	No Given Value	25 U	50 U	250 U	250 U	250 U	250 U	250 U
TOLUENE	5*	5.0 U	8.4	50 U	50 U	50 U	50 U	50 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
1 1 2-TRICHLOROETHANE	1	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
TETRACHLOROETHENE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
2-HEXANONE	50	25 U	50 U	250 U	250 U	250 U	250 U	250 U
DIBROMOCHLOROMETHANE	50	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
CHLOROBENZENE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
ETHYLBENZENE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
P-XYLENE/M-XYLENE	5*	10 U	20 U	100 U	100 U	100 U	100 U	100 U
O-XYLENE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
STYRENE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
BROMOFORM	50	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
1 1 2 2-TETRACHLOROETHANE	5*	5.0 U	10 U	50 U	50 U	50 U	50 U	50 U
Total VOCs (minus Carbon Disulfide)		3,686	25,514	7,653	13,149	9,777	15,185	22,805
Percent change			592%	108%	257%	165%	312%	519%

This well sampled as part of Bioremediation Program.

WELL NUMBER 89-12(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-17	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Dec-18
CHLOROMETHANE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
VINYL CHLORIDE	2	270	110	800	780	580	230	1,700	220
CHLOROETHANE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
BROMOMETHANE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
1 1-DICHLOROETHENE	5*	25 U	3.7	10 U	5.0 U	5.0 U	0.64	6.8	2.0 U
ACETONE	50	36	8.7	10 U	9.9	25 U	10 U	10 U	10 U
CARBON DISULFIDE	60	25 U	5.0 U	47	8.6	8.5	1.6	22	2.2
METHYLENE CHLORIDE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	15	2.0 U
TRANS-1 2-DICHLOROETHENE	5*	19	6.0	5.1	3.9	3.2	3.0	8.9	2.5
1 1-DICHLOROETHANE	5*	9.0	6.3	21	15	14	11	42	12
CIS-1 2-DICHLOROETHENE	5*	4,300	1,300	1,900	880	420	180	2,400	61
METHYL ETHYL KETONE	50	130	25 U	50 U	25 U	25 U	10 U	10 U	10 U
CHLOROFORM	7	25 U	3	10 U	5.0 U	5.0 U	2.0 U	0.91	2.0 U
1 1 1-TRICHLOROETHANE	5*	22	13	17	17	21	18	39	17
CARBON TETRACHLORIDE	5	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
BENZENE	1	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
1 2-DICHLOROETHANE	0.6	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
TRICHLOROETHENE	5*	490	23	42	30	20	16	61	4.3
1 2-DICHLOROPROPANE	1	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
BROMODICHLOROMETHANE	50	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
MIBK	No Given Value	130	25 U	50 U	25 U	25 U	10 U	10 U	10 U
TOLUENE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	0.74	2.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
1 1 2-TRICHLOROETHANE	1	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
TETRACHLOROETHENE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
2-HEXANONE	50	130	25 U	50 U	25 U	25 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	50	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
CHLOROBENZENE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
ETHYLBENZENE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
P-XYLENE/M-XYLENE	5*	50	10 U	20 U	10 U	10 U	4.0 U	0.43	4.0 U
O-XYLENE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	0.47	2.0 U
STYRENE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
BROMOFORM	50	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
1 1 2 2-TETRACHLOROETHANE	5*	25 U	5.0 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
Total VOCs (minus Carbon Disulfide)		5,586	1,474	2,785	1,736	1,058	459	4,275	317
Percent change			-74%	-50%	-69%	-81%	-92%	-23%	-94%

This well sampled as part of Bioremediation Program.

WELL NUMBER 89-14(0)
ANALYTICAL SAMPLING RESULTS
(Concentrations in ug/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jul-93	Jan-94	Jul-94	Jan-95	Jan-96	Apr-96	Oct-96	Apr-97	Apr-98	Oct-01	Oct-02	Oct-03	Oct-05	Oct-06	Oct-08	Oct-09	Oct-10	Nov-12	Oct-14	Oct-18
CHLOROMETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.35 U	0.35 U	0.35 U	0.35 U	1.0 U
VINYL CHLORIDE	2	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.24 U	0.90 U	0.90 U	0.90 U	1.0 U
CHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U
BROMOMETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.28 U	0.69 U	0.69 U	0.69 U	1.0 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U
ACETONE	50	36	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U	3.0 U	3.0 U	5.0 U
CARBON DISULFIDE	60	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.42 U	0.90 U	0.90 U	0.90 U	1.0 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.38 U	0.38 U	0.38 U	0.38 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.38 U	0.81 U	0.81 U	0.81 U	1.0 U
METHYL ETHYL KETONE	50	20 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	5.0 U
CHLOROFORM	7	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.34 U	0.34 U	0.34 U	0.34 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.26 U	0.82 U	0.82 U	0.82 U	1.0 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U	0.27 U	0.27 U	1.0 U
BENZENE	1	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U
TRICHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.46 U	0.46 U	0.46 U	0.46 U	1.0 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.33 U	0.72 U	0.72 U	0.72 U	1.0 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.39 U	0.39 U	0.39 U	0.39 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1.0 U
MIBK	No Given Value	20 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U	2.1 U	2.1 U	5.0 U
TOLUENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.37 U	0.37 U	0.37 U	0.37 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.23 U	0.23 U	0.23 U	0.23 U	1.0 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1.0 U
2-HEXANONE	50	20 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U	1.2 U	1.2 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U
CHLOROBENZENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.75 U	0.75 U	0.75 U	1.0 U
ETHYLBENZENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.74 U	0.74 U	0.74 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	3 U	2 U	2 U	2 U	0.66 U	0.66 U	0.66 U	0.66 U	2.0 U
O-XYLENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.36 U	0.76 U	0.76 U	0.76 U	1.0 U
STYRENE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.73 U	0.73 U	0.73 U	1.0 U
BROMOFORM	50	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U
Total VOCs (minus Carbon Disulfide)		36	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Percent change			-100%	-100%	-100%	-100%	-100%	-100%	-100%	-97%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%

This well was not sampled on the following dates: April and October 1993; April and October 1994; April, July and October 1995; July 1996; January, July and October 1997, October 1998, 1999, 2000, 2004, 2007, 2011, 2013 and 2015.

No sample was collected in 2016 due to insufficient water volume in the well.

WELL NUMBER 89-14(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jul-93	Jan-94	Jan-95	Jan-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Oct-18
CHLOROMETHANE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.35 U	0.35 U	0.35 U	0.70 U	0.70 U	1.4 U	2 U	2.0 U	2.0 U	0.3
VINYL CHLORIDE	2	10	64	69	50 U	25 U	25 U	27	41	25	30	63	7.1	25	53	66	5 U	54	48	130	190	57	240	250	220	250	290	140
CHLOROETHANE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	20 U	5 U	1 U	1 U	5 U	5 U	5 U	0.32 U	0.32 U	0.32 U	0.73	0.64 U	1.3 U	2 U	2.0 U	2.0 U	1.0 U
BROMOMETHANE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.28 U	0.69 U	0.69 U	1.4 U	1.4 U	2.8 U	2 U	2.0 U	2.0 U	1.0 U
1 1-DICHLOROETHENE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1.5	2.3	5 U	5 U	2.6	1.6	1.4	8	1.3	1.3	1.2 U	2 U	2.0 U	2.0 U	0.41
ACETONE	50	50 U	50 U	250 U	250 U	120 U	120 U	50 U	130 U	50 U	10 U	100 U	25 U	5 U	5 U	25 U	25 U	25 U	1.3 U	3.0 U	3 U	6.0 U	6.0 U	12 U	10 U	3.9	4.4	5.0 U
CARBON DISULFIDE	60	5 U	5	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	0.58	1 U	5 U	9.2	3.2	0.66	2.1	1.1	2.1	0.38 U	0.76 U	2 U	0.80	2.0 U	1.8
METHYLENE CHLORIDE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	6.9 U	6.1	6.1	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	1.8 U	2 U	2.0 U	2.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	7	25 U	50 U	25 U	25 U	5 U	25 U	5 U	2	10 U	5 U	1.8	2.4	5 U	5 U	5 U	1.5	1.9	2	1.8 U	1.8 U	3.6 U	1.6	2.3	1.7	1.3
1 1-DICHLOROETHANE	5*	7	13	25 U	50 U	25 U	25 U	13	25 U	5 U	7	21	4.9	6.8	10	9.3	5.7	9.8	8.1	12	28	21	22	17	16	20	17	11
CIS-1 2-DICHLOROETHENE	5*	266	550	718	630	490	350	500	530	450	630	990	150	280	360	420	250	410	300	340	330	130	220	160	110	130	65	49
METHYL ETHYL KETONE	50	50 U	50 U	250 U	250 U	120 U	120 U	50 U	130 U	50 U	10 U	100 U	25 U	5 U	5 U	25 U	25 U	25 U	1.3 U	1.3 U	1.3 U	2.6 U	2.6 U	5.3 U	10 U	10 U	10 U	5.0 U
CHLOROFORM	7	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.34 U	0.34 U	0.34 U	0.68 U	0.68 U	1.4 U	2 U	2.0 U	2.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	27	30	25	50 U	26	25 U	22	25 U	5 U	6	42	4.7	4.9	5.7	4.7	5.3	11	9.5	8.9	59	3.9	2.6	3.3 U	1.1	2.0	2.2	0.5
CARBON TETRACHLORIDE	5	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	30 U	5 U	0.61	1 U	5 U	5 U	5 U	0.27 U	0.27 U	0.27 U	0.54 U	0.54 U	1.1 U	2 U	2.0 U	2.0 U	1.0 U
BENZENE	1	5 U	5 U	25 U	50 U	25 U	25 U	4 U	4 U	4 U	0.7 U	7 U	5 U	1 U	1 U	5 U	5 U	5 U	0.41 U	0.41 U	0.41 U	0.82 U	0.82 U	1.6 U	2 U	2.0 U	2.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	5 U	24	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.21 U	0.21 U	0.21 U	0.42 U	0.42 U	0.84 U	2 U	2.0 U	2.0 U	1.0 U
TRICHLOROETHENE	5*	16	5 U	42	50 U	25 U	25 U	30	25 U	30	8	72	15	11	12	4.4	4.3	8.4	5.5	4.6	5.9	2.6	2.3	1.8 U	1.5	1.7	1.8	0.96
1 2-DICHLOROPROPANE	1	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.32 U	0.72 U	0.72 U	1.4 U	1.4 U	2.9 U	2 U	2.0 U	2.0 U	1.0 U
BROMODICHLOROMETHANE	50	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.39 U	0.39 U	0.39 U	0.78 U	0.78 U	1.6 U	2 U	2.0 U	2.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.36 U	0.36 U	0.36 U	0.72 U	0.72 U	1.4 U	2 U	2.0 U	2.0 U	1.0 U
MIBK	No Given Value	50 U	50 U	250 U	250 U	50 U	50 U	50 U	50 U	50 U	10 U	100 U	25 U	5 U	5 U	25 U	25 U	25 U	0.91 U	2.1 U	2.1 U	4.2 U	4.2 U	8.4 U	10 U	10 U	10 U	5.0 U
TOLUENE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	2.0 U	2 U	2.0 U	2.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.37 U	0.37 U	0.37 U	0.74 U	0.74 U	1.5 U	2 U	2.0 U	2.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.23 U	0.23 U	0.23 U	0.46 U	0.46 U	0.92 U	2 U	2.0 U	2.0 U	1.0 U
TETRACHLOROETHENE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.36 U	0.36 U	0.36 U	0.72 U	0.72 U	1.4 U	2 U	2.0 U	2.0 U	1.0 U
2-HEXANONE	50	50 U	50 U	250 U	250 U	50 U	50 U	50 U	50 U	50 U	10 U	100 U	25 U	5 U	5 U	25 U	25 U	25 U	1.2 U	1.2 U	1.2 U	2.5 U	2.5 U	5.0 U	10 U	10 U	10 U	5.0 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.32 U	0.32 U	0.32 U	0.64 U	0.64 U	1.3 U	2 U	2.0 U	2.0 U	1.0 U
CHLOROBENZENE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.32 U	0.75 U	0.75 U	1.5 U	1.5 U	3.0 U	2 U	2.0 U	2.0 U	1.0 U
ETHYLBENZENE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.18 U	0.74 U	0.74 U	1.5 U	1.5 U	3.0 U	2 U	2.0 U	2.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	15 U	3 U	2 U	15 U	15 U	15 U	0.66 U	0.66 U	0.66 U	1.3 U	1.3 U	2.6 U	4 U	4.0 U	4.0 U	2.0 U
O-XYLENE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.36 U	0.76 U	0.76 U	1.5 U	1.5 U	3.0 U	2 U	2.0 U	2.0 U	1.0 U
STYRENE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.18 U	0.73 U	0.73 U	1.5 U	1.5 U	2.9 U	2 U	2.0 U	2.0 U	1.0 U
BROMOFORM	50	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.26 U	0.26 U	0.26 U	0.52 U	0.52 U	1.0 U	2 U	2.0 U	2.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	25 U	50 U	25 U	25 U	5 U	25 U	5 U	1 U	10 U	5 U	1 U	1 U	5 U	5 U	5 U	0.21 U	0.21 U	0.21 U	0.42 U	0.42 U	0.84 U	2 U	2.0 U	2.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		326	688	854	630	516	350	592	571	505	683	1,188	182	332	445	504	271	502	374	499	623	217	488	427	350	410	382	203
Percent change			111%	162%	93%	58%	7%	82%	75%	55%	110%	264%	-44%	2%	37%	55%	-17%	54%	15%	53%	91%	-34%	50%	31%	7%	26%	17%	-38%

This well was not sampled on the following dates: April and October 1993; April, July and October 1994; April, July and October 1995, April and July 1996; January, April and July 1997 and April 1998.

WELL NUMBER 89-15(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jul-93	Jan-94	Apr-94	Jul-94	Oct-94	Jan-95	Apr-95	Jul-95	Oct-95	Feb-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04
CHLOROMETHANE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	2,500 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
VINYL CHLORIDE	2	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	36	250 U	2,500 U	270	1,000 U	300	2	2,000 U	1,000 U
CHLOROETHANE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	2 U	2,000 U	1,000 U
BROMOMETHANE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
1 1-DICHLOROETHENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	26	1 U	2,000 U	1,000 U
ACETONE	50	25,000 U	50,000 U	50,000 U	500 U	500 U	2,500 U	125,000 U	250,000 U	125,000 U	25,000 U	25,000 U	62,500 U	6,200 U	620 U	620 U	500 U	1,200 U	13,000 U	500 U	13,000 U	10 U	10 U	10,000 U	5,000 U
CARBON DISULFIDE	60	2,500 U	5,000	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	10	1 U	2,000 U	1,000 U
METHYLENE CHLORIDE	5*	149,000	228,000	65,200	1,280	394,000	448,000	332,000	524,000	330,000	72,000	180,000	120,000	20,000	1,600	3,300	2,500	1,500	4,500	1,800	15,000	15,000	1,000	46,000	8,400
TRANS-1 2-DICHLOROETHENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	88	1 U	2,000 U	1,000 U
1 1-DICHLOROETHANE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	21	1 U	2,000 U	1,000 U
CIS-1 2-DICHLOROETHENE	5*	5,700	10,500	5,000 U	530	4,210	4,950	12,500 U	25,000 U	12,500 U	12,000	17,000	12,500 U	2,000	2,000	860	840	950	750	2,600	5,000	10,000	120	5,700	6,700
METHYL ETHYL KETONE	50	25,000 U	50,000 U	50,000 U	500 U	500 U	2,500 U	125,000 U	250,000 U	125,000 U	25,000 U	25,000 U	62,500 U	6,200 U	620 U	620 U	500 U	1,200 U	13,000 U	500 U	13,000 U	10 U	10 U	10,000 U	5,000 U
CHLOROFORM	7	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	6	1 U	2,000 U	1,000 U
1 1 1-TRICHLOROETHANE	5*	2,500 U	5,000 U	5,000 U	50 U	1,670	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	64	250 U	2,500 U	50 U	2,500 U	120	7	2,000 U	1,000 U
CARBON TETRACHLORIDE	5	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	41	3 U	2,000 U	1,000 U
BENZENE	1	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	35 U	350 U	0.7 U	0.7 U	2,000 U	1,000 U
1 2-DICHLOROETHANE	0.6	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
TRICHLOROETHENE	5*	7,540	702,000	7,520	1,520	334,000	82,300	122,000	366,000	59,000	62,000	75,000	58,000	21,000	1,700	6,100	22,000	6,900	16,000	6,600	33,000	31,000	1,700	180,000	36,000
1 2-DICHLOROPROPANE	1	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
BROMODICHLOROMETHANE	50	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
CIS-1 3-DICHLOROPROPENE	0.4**	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
MIBK	No Given Value	25,000 U	50,000 U	50,000 U	500 U	500 U	2,500 U	125,000 U	250,000 U	125,000 U	10,000 U	10,000 U	25,000 U	2,500 U	250 U	250 U	500 U	500 U	5,000 U	500 U	5,000 U	10 U	10 U	10,000 U	5,000 U
TOLUENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	5,000 U	13	1 U	2,000 U	1,000 U
TRANS-1 3-DICHLOROPROPENE	0.4**	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
1 1 2-TRICHLOROETHANE	1	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
TETRACHLOROETHENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	9	1 U	2,000 U	1,000 U
2-HEXANONE	50	25,000 U	50,000 U	50,000 U	500 U	500 U	2,500 U	125,000 U	250,000 U	125,000 U	10,000 U	10,000 U	25,000 U	2,500 U	250 U	250 U	500 U	500 U	5,000 U	500 U	5,000 U	10 U	10 U	10,000 U	5,000 U
DIBROMOCHLOROMETHANE	50	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
CHLOROBENZENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
ETHYLBENZENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	3	1 U	2,000 U	1,000 U
P-XYLENE/M-XYLENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	2	1 U	6,000 U	3,000 U
O-XYLENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
STYRENE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
BROMOFORM	50	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
1 1 2 2-TETRACHLOROETHANE	5*	2,500 U	5,000 U	5,000 U	50 U	50 U	250 U	12,500 U	25,000 U	12,500 U	5,000 U	5,000 U	12,500 U	1,200 U	120 U	120 U	25 U	250 U	2,500 U	50 U	2,500 U	1 U	1 U	2,000 U	1,000 U
Total VOCs (minus Carbon Disulfide)		162,240	940,500	72,720	3,330	733,880	535,250	454,000	890,000	389,000	146,000	272,000	178,000	43,000	5,300	10,260	25,440	9,350	21,250	11,270	53,000	56,629	2,829	231,700	51,100
Percent change			480%	-55%	-98%	352%	230%	180%	449%	140%	-10%	68%	10%	-73%	-97%	-94%	-84%	-94%	-87%	-93%	-67%	-65%	-98%	43%	-69%

This well was not sampled on the following dates: April and October 1993; April 1998.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 89-15(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	1 U	1 U	100 U	100 U	0.35 U	0.35 U	0.35 U	35 U	70 U	70 U	250 U	250 U	0.26	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
VINYL CHLORIDE	2	1 U	330	100 U	250	210	220	150	170	210	200	210	390	20	270	550	840	93	38	190	1,100
CHLOROETHANE	5*	1 U	1.9	100 U	100 U	0.32 U	0.32 U	0.32 U	32 U	64 U	64 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
BROMOMETHANE	5*	1 U	1 U	100 U	100 U	0.28 U	0.69 U	0.69 U	69 U	140 U	140 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
1 1-DICHLOROETHENE	5*	1 U	84	100 U	100 U	22	12	25	29 U	58 U	58 U	250 U	250 U	0.7	2.3	50 U	50 U	5.0 U	2.0 U	1.8	18
ACETONE	50	5 U	5 U	500 U	500 U	1.3 U	3.0 U	3 U	300 U	600 U	600 U	1,200 U	1300 U	5.0 U	5.0 U	250 U	250 U	25 U	6.3	5.0 U	100 U
CARBON DISULFIDE	60	1 U	54	100 U	100 U	4.7	7.9	9.4	19 U	38 U	38 U	250 U	110	0.26	5.5	49	310	16	15	200	140
METHYLENE CHLORIDE	5*	4.8	86,000	7,900	13,000	22,000	16,000	0.44 U	14,000	32,000	36,000	25,000	110,000	1.0 U	360	7,700	15,000	670	11	380	14,000
TRANS-1 2-DICHLOROETHENE	5*	1 U	65	100 U	100 U	21	19	11	90 U	180 U	180 U	250 U	250 U	0.4	3.0	50 U	50 U	2.0	1.1	4.2	21
1 1-DICHLOROETHANE	5*	1.3	42	100 U	100 U	21	13	25	38 U	76 U	76 U	250 U	250 U	3.9	3.7	50 U	50 U	3.8	4.5	9.3	31
CIS-1 2-DICHLOROETHENE	5*	210	16,000	1,000	13,000	8,500	8,800	4,200	3,100	4,000	6,400	4,800	17,000	62	460	640	790	150	49	290	3,100
METHYL ETHYL KETONE	50	5 U	5 U	500 U	500 U	1.3 U	1.3 U	1.3 U	130 U	260 U	260 U	1300 U	1300 U	5.0 U	5.3	250 U	250 U	25 U	10 U	2.8	100 U
CHLOROFORM	7	1 U	15	100 U	100 U	2.4	1.4	1.3	34 U	68 U	68 U	250 U	410	1.0 U	1.2	50 U	50 U	5.0 U	2.0 U	1.9	11
1 1 1-TRICHLOROETHANE	5*	0.9	1,200	100 U	100 U	63	32	160	82 U	160 U	160 U	250 U	230	1.0	2.2	50 U	50 U	21	1.1	1.7	22
CARBON TETRACHLORIDE	5	1 U	1 U	100 U	100 U	0.27 U	0.27 U	0.27 U	27 U	54 U	54 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
BENZENE	1	1 U	1.6	100 U	100 U	0.43	0.41 U	0.41 U	41 U	82 U	82 U	250 U	250 U	1.0 U	0.21	50 U	50 U	5.0 U	2.0 U	0.34 J	20 U
1 2-DICHLOROETHANE	0.6	1 U	1.8	100 U	100 U	0.21 U	0.21 U	0.21 U	21 U	42 U	42 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
TRICHLOROETHENE	5*	120	87,000	9,100	7,600	8,800	6,500	7,200	4,900	20,000	62,000	43,000	140,000	5.1	280	410	510	110	27	130	4,400
1 2-DICHLOROPROPANE	1	1 U	1 U	100 U	100 U	0.32 U	0.72 U	0.72 U	72 U	140 U	140 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
BROMODICHLOROMETHANE	50	1 U	1 U	100 U	100 U	0.39 U	0.39 U	0.39 U	39 U	78 U	78 U	250 U	130	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
CIS-1 3-DICHLOROPROPENE	0.4**	1 U	1 U	100 U	100 U	0.36 U	0.36 U	0.36 U	36 U	72 U	72 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
MIBK	No Given Value	5 U	4.3	500 U	500 U	0.91 U	2.1 U	2.1 U	210 U	420 U	420 U	1,200 U	1300 U	5.0 U	5.0 U	250 U	250 U	25 U	10 U	5.0 U	100 U
TOLUENE	5*	1 U	40	100 U	100 U	2.9	2.1	2.2	51 U	100 U	100 U	250 U	250 U	1.0 U	0.49	50 U	50 U	5.0 U	2.0 U	0.47	4.2
TRANS-1 3-DICHLOROPROPENE	0.4**	1 U	1 U	100 U	100 U	0.37 U	0.37 U	0.37 U	37 U	74 U	74 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
1 1 2-TRICHLOROETHANE	1	1 U	2.6	100 U	100 U	0.23 U	0.23 U	0.23 U	23 U	46 U	46 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
TETRACHLOROETHENE	5*	1 U	40	100 U	100 U	4	2.2	2	36 U	72 U	72 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
2-HEXANONE	50	5 U	5 U	500 U	500 U	1.2 U	1.2 U	1.2 U	120 U	250 U	250 U	1,200 U	1300 U	5.0 U	5.0 U	250 U	250 U	25 U	10 U	5.0 U	100 U
DIBROMOCHLOROMETHANE	50	1 U	1 U	100 U	100 U	0.32 U	0.32 U	0.32 U	32 U	64 U	64 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
CHLOROBENZENE	5*	1 U	1 U	100 U	100 U	0.32 U	0.75 U	0.75 U	75 U	150 U	150 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
ETHYLBENZENE	5*	1 U	5.2	100 U	100 U	0.69	0.74 U	0.74 U	74 U	150 U	150 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
P-XYLENE/M-XYLENE	5*	2 U	15	300 U	300 U	1.1	0.98	0.66	66 U	130 U	130 U	750 U	500 U	2.0 U	2.0 U	100 U	100 U	10 U	4.0 U	2.0 U	40 U
O-XYLENE	5*	1 U	7	100 U	100 U	0.89	0.81	0.76 U	76 U	150 U	150 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
STYRENE	5*	1 U	1 U	100 U	100 U	0.18 U	0.73 U	0.73 U	73 U	150 U	150 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
BROMOFORM	50	1 U	1 U	100 U	100 U	0.26 U	0.26 U	0.26 U	26 U	52 U	52 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
1 1 2 2-TETRACHLOROETHANE	5*	1 U	1 U	100 U	100 U	0.21 U	0.21 U	0.21 U	21 U	42 U	42 U	250 U	250 U	1.0 U	1.0 U	50 U	50 U	5.0 U	2.0 U	1.0 U	20 U
Total VOCs (minus Carbon Disulfide)		337	190,855	18,000	33,850	39,649	31,603	11,777	22,170	56,210	104,600	73,010	268,160	93	1,388	9,300	17,140	1,050	138	1,012	22,707
Percent change		-100%	18%	-89%	-79%	-76%	-81%	-93%	-86%	-65%	-36%	-55%	65%	-100%	-99%	-94%	-89%	-99%	-100%	-99%	-86%

This well was not sampled on the following dates: April and October 1993; April 1998.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER 89-16(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-94	Jan-95	Jan-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10
CHLOROMETHANE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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
VINYL CHLORIDE	2	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.24 U	0.90 U
CHLOROETHANE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U
BROMOMETHANE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.28 U	0.69 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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
ACETONE	50	50 U	10 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U
CARBON DISULFIDE	60	0.5 U	0.5 U	5 U	1	0.5 U	1 U	2	1 U	1 U	1 U	0.4	1 U	1 U	1 U	3.6	0.64	1.3	0.86
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.42 U	0.90 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.7	1 U	1 U	1 U	1 U	1 U	0.47	0.4	0.78	1 U	0.63	0.42	0.66	0.81 U
METHYL ETHYL KETONE	50	50 U	10 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U
CHLOROFORM	7	0.5 U	0.5 U	5 U	0.5 U	0.5 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 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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	0.82 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U
BENZENE	1	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	5 U	0.5 U	0.5 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
TRICHLOROETHENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.46 U	0.46 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	5 U	0.5 U	0.5 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	0.72 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	5 U	0.5 U	0.5 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
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	5 U	0.5 U	0.5 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
MIBK	No Given Value	50 U	10 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U
TOLUENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	5 U	0.5 U	0.5 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 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	5 U	0.5 U	0.5 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
TETRACHLOROETHENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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
2-HEXANONE	50	50 U	10 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	5 U	0.5 U	0.5 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
CHLOROBENZENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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	0.75 U
ETHYLBENZENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.74 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U	0.66 U
O-XYLENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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	0.76 U
STYRENE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.73 U
BROMOFORM	50	0.5 U	0.5 U	5 U	0.5 U	0.5 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 1 2 2-TETRACHLOROETHANE	5*	0.5 U	0.5 U	5 U	0.5 U	0.5 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
Total VOCs (minus Carbon Disulfide)		0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.47	0.40	0.78	0.00	0.63	0.42	0.66	0.00
Percent change																			

This well was not sampled on the following dates: April, July and October 1993; April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; April 1998.
This location is no longer part of the current sampling program.

WELL NUMBER 89-17(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-94	Jan-95	Jan-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Jan-02	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Nov-12
CHLOROMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.35 U
VINYL CHLORIDE	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.24 U	0.90 U	0.90 U
CHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U
BROMOMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.28 U	0.69 U	0.69 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.29 U
ACETONE	50	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.2	5 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U	3.0 U
CARBON DISULFIDE	60	0.5 U	0.5 U	0.5 U	0.6	0.5 U	1 U	4	1 U	34	1 U	0.6	0.64	0.66	1 U	1.3	1.6	0.19 U	1.6	3.0
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.42 U	0.90 U	0.90 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.38 U
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	0.47	1 U	1 U	1 U	1 U	0.38 U	0.81 U	0.81 U
METHYL ETHYL KETONE	50	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	1.3 U
CHLOROFORM	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.34 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.82 U	0.82 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U	0.27 U
BENZENE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.56	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	0.41 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.21 U
TRICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.46 U	0.46 U	0.46 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.72 U	0.72 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U
MIBK	No Given Value	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U	2.1 U
TOLUENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.37 U
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.23 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.36 U
2-HEXANONE	50	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U	1.2 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.32 U
CHLOROBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.75 U	0.75 U
ETHYLBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.74 U	0.74 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U	0.66 U	0.66 U
O-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.76 U	0.76 U
STYRENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.73 U	0.73 U
BROMOFORM	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	0.5 U	1 U	0.5 U	0.5 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	0.21 U
Total VOCs (minus Carbon Disulfide)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.76	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent change																				

This well was not sampled on the following dates: April, July and October 1993; April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; April 1998.

This location is no longer part of the current sampling program.

WELL NUMBER 93-03(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Jan-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08
CHLOROMETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
VINYL CHLORIDE	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	2 U	1 U	1 U	5 U	1 U	1 U	1 U
BROMOMETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1 1-DICHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
ACETONE	50	63	108	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U	10 U	10 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U	5 U	5 U	28	16	5 U	5 U
CARBON DISULFIDE	60	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1	0.7	0.5 U	2	5 U	1	1 U	1 U	1 U	1 U	1 U	5 U	1 U	2.6	1 U
METHYLENE CHLORIDE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1 1-DICHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CIS-1 2-DICHLOROETHENE	5*	11	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	1	0.6	1 U	3	1	1 U	1 U	1 U	1 U	1 U	5 U	1 U	2.6	0.48
METHYL ETHYL KETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U	10 U	10 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U	5 U	5 U	25 U	2.6	5 U	5 U
CHLOROFORM	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1 1 1-TRICHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CARBON TETRACHLORIDE	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	3 U	1 U	1 U	5 U	1 U	1 U	1 U
BENZENE	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.7 U	5 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	5 U	1 U	1 U	1 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
TRICHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	2 U	1 U	1 U	5 U	1.6 U	1 U	1 U
1 2-DICHLOROPROPANE	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
BROMODICHLOROMETHANE	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
MIBK	No Given Value	50 U	50 U	50 U	50 U	50 U	50 U	25 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	10 U	5 U	5 U	25 U	5 U	5 U	5 U
TOLUENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
TETRACHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
2-HEXANONE	50	50 U	5 U	50 U	50 U	50 U	50 U	25 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	10 U	5 U	5 U	25 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CHLOROBENZENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
ETHYLBENZENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	3 U	3 U	10 U	2 U	2 U	2 U
O-XYLENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
STYRENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
BROMOFORM	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Total VOCs (minus Carbon Disulfide)		74	113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.60	0.00	3.00	1.00	0.00	0.00	0.00	0.00	0.00	28.00	18.60	2.60	0.48
Percent change			53%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-99%	-99%	-100%	-96%	-99%	-100%	-100%	-100%	-100%	-100%	-62%	-75%	-96%	-99%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995.

WELL NUMBER 93-03(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Apr-14	Oct-14	Jun-15	Oct-15	Apr-16	Oct-16	Apr-17	Nov-17	Apr-18	Oct-18
CHLOROMETHANE	5*	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	1 U	0.35 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.24 U	0.90 U	0.9 U	0.90 U	0.90 U	1 U	0.90 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROETHANE	5*	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	0.32 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.28 U	0.69 U	0.69 U	0.69 U	0.69 U	1 U	0.69 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1 U	0.29 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ACETONE	50	1.3 U	3.0 U	3 U	3.0 U	3.0 U	5 U	3.0 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U
CARBON DISULFIDE	60	0.19 U	0.98	0.7	1.4	1.2	1 U	1.2	1 U	4.5	2	0.23	0.33	0.3	1.3	0.82
METHYLENE CHLORIDE	5*	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1 U	0.44 U	1 U	1 U	1.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	0.42 U	0.90 U	0.9 U	0.90 U	0.90 U	1 U	0.90 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	1 U	0.38 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	1.6	0.91	1.2	1.3	0.81 U	1 U	0.81 U	1 U	0.37	1 U	0.90	1.0 U	1.0 U	1.0 U	1.0 U
METHYL ETHYL KETONE	50	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1 U	0.34 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	0.26 U	0.82 U	0.82 U	0.82 U	0.82 U	1 U	0.82 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CARBON TETRACHLORIDE	5	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	1 U	0.27 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BENZENE	1	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	1 U	0.41 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1 U	0.21 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1 U	0.46 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROPROPANE	1	0.32 U	0.72 U	0.72 U	0.72 U	0.72 U	1 U	0.72 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	1 U	0.39 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1 U	0.36 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	0.91U	2.1 U	2.1 U	2.1 U	2.1 U	5 U	2.1 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1 U	0.51 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	1 U	0.37 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	1 U	0.23 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1 U	0.36 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	5 U	1.2 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	0.32 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.32 U	0.75 U	0.75 U	0.75 U	0.75 U	1 U	0.75 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.18 U	0.74 U	0.74 U	0.74 U	0.74 U	1 U	0.74 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	2 U	0.66 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	0.36 U	0.76 U	0.76 U	0.76 U	0.76 U	1 U	0.76 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	0.18 U	0.73 U	0.73 U	0.73 U	0.73 U	1 U	0.73 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	1 U	0.26 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1 U	0.21 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		2	1	1	1	0	0	0	0	0	2	1	0	0	0	0
Percent change		-98%	-99%	-98%	-98%	-100%	-100%	-100%	-100%	-100%	-98%	-99%	-100%	-100%	-100%	-100%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995.

WELL NUMBER 94-02(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Jan-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Jan-02	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Nov-12
CHLOROMETHANE	5*	5 U	5 U	5 U	0.5 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	0.35 U
VINYL CHLORIDE	2	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.24 U	0.90 U	0.90 U
CHLOROETHANE	5*	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U
BROMOMETHANE	5*	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.28 U	0.69 U	0.69 U
1 1-DICHLOROETHENE	5*	5 U	5 U	5 U	0.5 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	0.29 U
ACETONE	50	50 U	25 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U	3.0 U
CARBON DISULFIDE	60	5 U	5 U	5 U	0.5 U	1 U	3	1 U	1 U	1 U	1 U	0.43	1 U	1 U	3.8	1.7	1.0	8.5	1.4
METHYLENE CHLORIDE	5*	5 U	5 U	5 U	0.5 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	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.42 U	0.90 U	0.90 U
1 1-DICHLOROETHANE	5*	5 U	5 U	5 U	0.5 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	0.38 U
CIS-1 2-DICHLOROETHENE	5*	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.67	0.81 U	0.81 U
METHYL ETHYL KETONE	50	50 U	25 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	1.3 U
CHLOROFORM	7	5 U	5 U	5 U	0.5 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	0.34 U
1 1 1-TRICHLOROETHANE	5*	5 U	5 U	5 U	0.5 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	0.82 U	0.92 U
CARBON TETRACHLORIDE	5	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U	0.27 U
BENZENE	1	5 U	5 U	5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	0.41 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	5 U	0.5 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	0.21 U
TRICHLOROETHENE	5*	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.46 U	0.46 U	0.46 U
1 2-DICHLOROPROPANE	1	5 U	5 U	5 U	0.5 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	0.72 U	0.72 U
BROMODICHLOROMETHANE	50	5 U	5 U	5 U	0.5 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	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	0.5 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	0.36 U
MIBK	No Given Value	50 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U	2.1 U
TOLUENE	5*	5 U	5 U	5 U	0.5 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	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	0.5 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	0.37 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	5 U	0.5 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	0.23 U
TETRACHLOROETHENE	5*	5 U	5 U	5 U	0.5 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	0.36 U
2-HEXANONE	50	50 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U	1.2 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	5 U	0.5 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	0.32 U
CHLOROBENZENE	5*	5 U	5 U	5 U	0.5 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	0.75 U	0.75 U
ETHYLBENZENE	5*	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.74 U	0.74 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	5 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U	0.66 U	0.66 U
O-XYLENE	5*	5 U	5 U	5 U	0.5 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	0.76 U	0.76 U
STYRENE	5*	5 U	5 U	5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.73 U	0.73 U
BROMOFORM	50	5 U	5 U	5 U	0.5 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	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	5 U	0.5 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	0.21 U
Total VOCs (minus Carbon Disulfide)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00
Percent change																			

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and April 1998.
This location is no longer part of the current sampling program.

WELL NUMBER B-8
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Feb-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Nov-12	Oct-14	Oct-16	Oct-18
CHLOROMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.35 U	0.35 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.24 U	0.90 U	0.90 U	0.90 U	1.0 U	1.0 U
CHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.28 U	0.69 U	0.69 U	0.69 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.29 U	0.29 U	1.0 U	1.0 U
ACETONE	50	10 U	10 U	10 U	12	25 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U	3.0 U	3.0 U	5.0 U	3.1 J
CARBON DISULFIDE	60	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2 U	1 U	1 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.42 U	0.90 U	0.90 U	0.90 U	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.38 U	0.38 U	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8	1 U	36	0.38 U	0.81 U	0.81 U	0.81 U	1.0 U	1.0 U
METHYL ETHYL KETONE	50	10 U	10 U	10 U	10 U	25 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	5.0 U	5.0 U
CHLOROFORM	7	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.34 U	0.34 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.26 U	0.82 U	0.82 U	0.82 U	1.0 U	1.0 U
CARBON TETRACHLORIDE	5	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U	0.27 U	0.27 U	1.0 U	1.0 U
BENZENE	1	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.21 U	0.21 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	2 U	0.67	1.9	0.73	45	1 U	64	0.46 U	0.46 U	0.46 U	0.46 U	1.0 U	1.0 U
1 2-DICHLOROPROPANE	1	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.72 U	0.72 U	0.72 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.39 U	0.39 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.36 U	0.36 U	1.0 U	1.0 U
MIBK	No Given Value	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U	2.1 U	2.1 U	5.0 U	5.0 U
TOLUENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.51 U	0.51 U	0.32	0.32
TRANS-1 3-DICHLOROPROPENE	0.4**	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.37 U	0.37 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.23 U	0.23 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.36 U	0.36 U	1.0 U	1.0 U
2-HEXANONE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U	1.2 U	1.2 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.32 U	0.32 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.75 U	0.75 U	0.75 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.74 U	0.74 U	0.74 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U	0.66 U	0.66 U	0.66 U	2.0 U	2.0 U
O-XYLENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.36 U	0.76 U	0.76 U	0.76 U	1.0 U	1.0 U
STYRENE	5*	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.73 U	0.73 U	0.73 U	1.0 U	1.0 U
BROMOFORM	50	0.5 U	0.5 U	0.5 U	0.5 U	5 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	0.26 U	0.26 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.5 U	1 U	0.5 U	0.5 U	5 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	0.21 U	0.21 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.67	1.90	0.73	49.80	0.00	100.00	0.00	0.00	0.00	0.00	0.32	0.32
Percent change																						

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997 and April 1998, October 2011, October 2013, October 2015 and November 2017.

WELL NUMBER B-10A(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-17	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Dec-18
CHLOROMETHANE	5*	500 U	170 J	500 U	200 U	500 U	250 U	250 U	250 U
VINYL CHLORIDE	2	430 J	380 J	510	440	370 J	750	2,400	1,700
CHLOROETHANE	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
BROMOMETHANE	5*	500 U	170 J	500 U	200 U	500 U	250 U	250 U	250 U
1 1-DICHLOROETHENE	5*	310 J	380 J	380 J	310	410 J	200 J	360	290
ACETONE	50	2,500 U	2,500 U	2,500 U	1,000 U	2,500 U	1,300 U	1,300 U	1,300 U
CARBON DISULFIDE	60	500 U	500 U	500 U	200 U	500 U	250 U	240 J	250 U
METHYLENE CHLORIDE	5*	3,300	6,000	3,700	2,200	3,000	740	9,500	6,200
TRANS-1 2-DICHLOROETHENE	5*	500 U	180 J	250 J	190 J	200 J	87 J	140 J	140 J
1 1-DICHLOROETHANE	5*	350 J	450 J	430 J	370	380 J	180 J	360	300
CIS-1 2-DICHLOROETHENE	5*	20,000	22,000	70,000	65,000 D	52,000	37,000	52,000 D	31,000
METHYL ETHYL KETONE	50	2,500 U	2,500 U	2,500 U	1,000 U	2,500 U	1,300 U	1,300 U	1,300 U
CHLOROFORM	7	980	500 U	500 U	200 U	500 U	250 U	250 U	250 U
1 1 1-TRICHLOROETHANE	5*	780	930	1,100	850	1,300	730	1,300	1,500
CARBON TETRACHLORIDE	5	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
BENZENE	1	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
1 2-DICHLOROETHANE	0.6	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
TRICHLOROETHENE	5*	58,000	64,000	28,000	17,000	33,000	12,000	23,000	38,000
1 2-DICHLOROPROPANE	1	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
BROMODICHLOROMETHANE	50	210 J	500 U	500 U	200 U	500 U	250 U	250 U	250 U
CIS-1 3-DICHLOROPROPENE	0.4**	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
MIBK	No Given Value	2,500 U	2,500 U	2,500 U	1,000 U	2,500 U	1,300 U	1,300 U	1,300 U
TOLUENE	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
TRANS-1 3-DICHLOROPROPENE	0.4**	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
1 1 2-TRICHLOROETHANE	1	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
TETRACHLOROETHENE	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
2-HEXANONE	50	2,500 U	2,500 U	2,500 U	1,000 U	2,500 U	1,300 U	1,300 U	1,300 U
DIBROMOCHLOROMETHANE	50	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
CHLOROBENZENE	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
ETHYLBENZENE	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
P-XYLENE/M-XYLENE	5*	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	500 U	500 U	500 U
O-XYLENE	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
STYRENE	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
BROMOFORM	50	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
1 1 2 2-TETRACHLOROETHANE	5*	500 U	500 U	500 U	200 U	500 U	250 U	250 U	250 U
Total VOCs (minus Carbon Disulfide)		83,060	92,930	103,310	21,170	89,300	51,220	36,920	78,990
Percent change			12%	24%	-75%	8%	-38%	-56%	-5%

This well sampled as part of Bioremediation Program.

WELL NUMBER B-14(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-94	Jul-94	Oct-94	Jan-95	Apr-95	Jul-95	Oct-95	Feb-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08
CHLOROMETHANE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	2	115	119	118	110	109	131	350	140	120	120	120	120	130	110	140	100	130	76	140	310	300	240	430	110	74	210
CHLOROETHANE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	200 U	100 U	50 U	1 U	1 U	1 U	1 U
BROMOMETHANE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
1 1-DICHLOROETHENE	5*	8	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	3	25 U	2	5 U	25 U	1 U	100 U	100 U	50 U	7.0	4	1.3	1.3
ACETONE	50	50 U	250 U	250 U	50 U	250 U	250 U	500 U	250 U	125 U	125 U	120 U	120 U	50 U	50 U	120 U	25 U	50 U	130 U	10 U	1,000 U	500 U	250 U	4.9	5 U	5 U	5 U
CARBON DISULFIDE	60	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	400	100 U	100 U	50 U	1 U	1 U	7	0.79
METHYLENE CHLORIDE	5*	54	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	3	25 U	5 U	5 U	25 U	200	100 U	1,100	50 U	0.48	6 U	1 U	1 U
TRANS-1 2-DICHLOROETHENE	5*	7	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	5	2 U	25 U	2	5 U	25 U	3	100 U	100 U	50 U	4.8	2.6	1.4	1.7
1 1-DICHLOROETHANE	5*	26	25 U	25 U	15	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	17	16	25 U	9	9	25 U	12	150	53	24	28	14	4.8	5.2
CIS-1 2-DICHLOROETHENE	5*	778	765	702	700	716	681	1,400	680	620	740	600	590	640	600	710	380	390	320	470	3,500	2,800	1,200	1,200	700	340	300
METHYL ETHYL KETONE	50	50 U	250 U	250 U	50 U	250 U	250 U	500 U	250 U	125 U	125 U	120 U	120 U	50 U	50 U	120 U	25 U	50 U	130 U	10 U	1,000 U	500 U	250 U	5 U	5 U	5 U	5 U
CHLOROFORM	7	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
1 1 1-TRICHLOROETHANE	5*	125	25 U	100	73	59	101	170	57	56	89	70	65	73	63	79	33	32	26	49	970	240	110	120	49	11	11
CARBON TETRACHLORIDE	5	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	24	300 U	100 U	50 U	1 U	1 U	1 U	1 U
BENZENE	1	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	4 U	4 U	0.7 U	70 U	100 U	250 U	1 U	1 U	1 U	1 U
1 2-DICHLOROETHANE	0.6	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	5*	78	58	25 U	10	25 U	25 U	50 U	50 U	25 U	25 U	26	25 U	7	5	25 U	3	5	25 U	200	610	320	16	37	26	1.4	1.7
1 2-DICHLOROPROPANE	1	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
BROMODICHLOROMETHANE	50	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
MIBK	No Given Value	50 U	250 U	250 U	50 U	250 U	250 U	500 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	10 U	50 U	50 U	10 U	1,000 U	500 U	250 U	5 U	5 U	5 U	5 U
TOLUENE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
1 1 2-TRICHLOROETHANE	1	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
2-HEXANONE	50	50 U	250 U	250 U	50 U	250 U	250 U	500 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	10 U	50 U	50 U	10 U	1,000 U	500 U	250 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	50	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
P-XYLENE/M-XYLENE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	300 U	150 U	2 U	2 U	2 U	2 U
O-XYLENE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
STYRENE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
BROMOFORM	50	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	25 U	25 U	5 U	25 U	25 U	50 U	50 U	25 U	25 U	25 U	25 U	2.5 U	2 U	25 U	5 U	5 U	25 U	1 U	100 U	100 U	50 U	1 U	1 U	1 U	1 U
Total VOCs (minus Carbon Disulfide)		1,191	942	920	908	884	913	1,920	877	796	949	816	775	872	800	929	529	566	422	1,098	5,540	4,813	1,590	1,832	906	434	531
Percent change			-21%	-23%	-24%	-26%	-23%	61%	-26%	-33%	-20%	-31%	-35%	-27%	-33%	-22%	-56%	-52%	-65%	-8%	365%	304%	34%	54%	-24%	-64%	-55%

This well was not sampled on the following dates: April, July, and October 1993; January 1994; April 1998.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER B-14(1)
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	0.35 U	0.35 U	0.35 U	3.5 U	1.8 U	1.4 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
VINYL CHLORIDE	2	98	98	340	290	330	220	220	180	190	180	240	180	170	200 D	170	160
CHLOROETHANE	5*	0.32 U	0.32 U	0.32 U	3.2 U	1.6 U	1.3 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
BROMOMETHANE	5*	0.28 U	0.69 U	0.69 U	6.9 U	3.5 U	2.8 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1 1-DICHLOROETHENE	5*	0.86	0.29 U	14 U	5.0	11.0	3.0	2	1.3	1.8	2.0 U	1.2	2.0 U	0.93 J	1.6	0.80 J	0.88 J
ACETONE	50	1.3 U	3.0 U	3 U	30 U	15 U	12 U	10 U	1.6	10 U	10 U	1.4	4.6	5.0 U	4.0 J	10 U	10 U
CARBON DISULFIDE	60	0.77	1.0	4.1	1.9 U	0.95 U	0.76 U	4.7	0.71	0.64	3.1	1.1	2.0 U	1.0 U	2.1	2.5	3.1
METHYLENE CHLORIDE	5*	1.5	0.44 U	0.44 U	4.4	2.2 U	1.8 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	2.1	2.0 U	2.0 U
TRANS-1 2-DICHLOROETHENE	5*	1.2	0.98	2.3	9.0 U	4.5 U	3.6 U	2.1	1.8	1.8	1.6	2.1	1.5	1.3	1.9	1.8 J	1.5 J
1 1-DICHLOROETHANE	5*	4.2	2.5	17	44	39	25	25	20	18	15	22	16	17	24	14	14
CIS-1 2-DICHLOROETHENE	5*	170	140	760	530	280	220	170	170	140	100	150	120	97	170	140	110
METHYL ETHYL KETONE	50	1.3 U	1.3 U	1.3 U	13 U	6.6 U	5.3 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	10 U	10 U
CHLOROFORM	7	0.34 U	0.34 U	0.34 U	3.4 U	1.7 U	1.4 u	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1 1 1-TRICHLOROETHANE	5*	6.7	2.6	140	300	210	120	110	81	75	52	73	58	64	81	41	54
CARBON TETRACHLORIDE	5	0.27 U	0.27 U	0.27 U	2.7 U	1.4 U	1.1 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
BENZENE	1	0.41 U	0.41 U	0.41 U	4.1 U	2.1 U	1.6 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	0.21 U	0.21 U	2.1 U	1.1 U	0.84 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
TRICHLOROETHENE	5*	4.5	1.5	4.5	9.0	2.8	2.0	2.2	1.8	1.8	1.6	2.5	1.7	1.5	53	1.2 J	4.2
1 2-DICHLOROPROPANE	1	0.32 U	0.72 U	0.72 U	7.2 U	3.6 U	2.9 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
BROMODICHLOROMETHANE	50	0.39 U	0.39 U	0.39 U	3.9 U	2.0 U	1.6 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	0.36 U	0.36 U	3.6 U	1.8 U	1.4 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
MIBK	No Given Value	0.91 U	2.1 U	2.1 U	21 U	11 U	8.4 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	10 U	10 U
TOLUENE	5*	0.51 U	0.51 U	0.51 U	5.1 U	2.6 U	2.0 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	0.37 U	0.37 U	3.7 U	1.9 U	1.5 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	0.23 U	0.23 U	2.3 U	1.2 U	0.92 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
TETRACHLOROETHENE	5*	0.36 U	0.36 U	0.36 U	3.6 U	1.8 U	1.4 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	12 U	6.2 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	10 U	10 U
DIBROMOCHLOROMETHANE	50	0.32 U	0.32 U	0.32 U	3.2 U	1.6 U	1.3 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
CHLOROBENZENE	5*	0.32 U	0.75 U	0.75 U	7.5 U	3.8 U	3.0 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
ETHYLBENZENE	5*	0.18 U	0.74 U	0.74 U	7.4 U	3.7 U	3.0 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	0.66 U	0.66	6.6 U	3.3 U	2.6 U	6 U	2.0 U	4.0 U	4.0 U	2.0 U	4.0 U	2.0 U	2.0 U	4.0 U	4.0 U
O-XYLENE	5*	0.36 U	0.76 U	0.76 U	7.6 U	3.8 U	3.0 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
STYRENE	5*	0.18 U	0.73 U	0.73 U	7.3 U	3.7 U	2.9 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
BROMOFORM	50	0.26 U	0.26 U	0.26 U	2.6 U	1.3 U	1.0 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	0.21 U	0.21 U	2.1 U	1.1 U	0.84 U	2 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Total VOCs (minus Carbon Disulfide)		287	246	1,264	1,182	873	590	531	458	428	350	492	382	351	334	365	342
Percent change		-76%	-79%	6%	-1%	-27%	-50%	-55%	-62%	-64%	-71%	-59%	-68%	-71%	-72%	-69%	-64%

This well was not sampled on the following dates: April, July, and October 1993; January 1994; April 1998.
This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER DW-9
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Feb-96	Oct-96	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14
CHLOROMETHANE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.35 U	0.35 U	0.35 U	0.35 U	1.4 U	0.70 U
VINYL CHLORIDE	2	46	250	140	190	150	130	200 U	10 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.24 U	0.90 U	0.9 U	0.90 U	3.6 U	1.8 U
CHLOROETHANE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	200 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.64 U
BROMOMETHANE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.28 U	0.69 U	0.69 U	0.69 U	2.8 U	1.4 U
1 1-DICHLOROETHENE	5*	5 U	50 U	120 U	120 U	21	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1.4	1 U	0.29 U	0.29 U	0.29 U	0.99	1.2 U	2.1
ACETONE	50	50 U	250 U	620 U	620 U	100 U	2,500 U	2,500 U	130 U	10 U	1,000 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	3.0 U	3 U	3.0 U	12 U	6.0 U
CARBON DISULFIDE	60	5 U	50 U	120 U	120 U	15	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.19 U	0.19 U	0.19 U	0.19 U	0.76 U	0.38 U
METHYLENE CHLORIDE	5*	56	130	2,500	720	6,300	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1.6 U	0.51	24	0.44 U	0.44 U	0.44 U	0.44 U	1.8 U	0.88 U
TRANS-1 2-DICHLOROETHENE	5*	6	50 U	120 U	120 U	15	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	0.72	1 U	0.42 U	0.90 U	0.9 U	1.6	3.6 U	1.8 U
1 1-DICHLOROETHANE	5*	5 U	50 U	120 U	120 U	28	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1.7	1 U	0.38 U	0.38 U	0.38 U	2.2	1.5 U	2.5
CIS-1 2-DICHLOROETHENE	5*	703	2,800	3,200	2,600	3,600	4,200	3,800	250	49	990	9.5	4	3.8	8.4	180	20	3.6	41	5.8	220	3.2 U	130
METHYL ETHYL KETONE	50	50 U	250 U	620 U	620 U	100 U	2,500 U	2,500 U	130 U	10 U	1,000 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	5.3 U	2.6 U
CHLOROFORM	7	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	3.7	0.39	1 U	1 U	1 U	1 U	0.34 U	0.34 U	0.34 U	0.34 U	1.4 U	0.68 U
1 1 1-TRICHLOROETHANE	5*	5 U	65	120 U	130	290	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	3.5	1 U	0.26 U	0.82 U	0.82 U	7.4	3.3 U	8.6
CARBON TETRACHLORIDE	5	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	300 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.54 U
BENZENE	1	5 U	50 U	120 U	120 U	7 U	500 U	70 U	4 U	0.7 U	70 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	1.6 U	0.82 U
1 2-DICHLOROETHANE	0.6	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.84 U	0.42 U
TRICHLOROETHENE	5*	1,400	2,000	1,600	1,100	4,500	340	500 U	240	100	550	42	19	8.4	30	68	7.6	9.7	21	5.1	190	2.3	150
1 2-DICHLOROPROPANE	1	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.72 U	0.72 U	0.72 U	2.9 U	1.4 U
BROMODICHLOROMETHANE	50	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1.2	1 U	1 U	1 U	1 U	1 U	0.39 U	0.39 U	0.39 U	0.39 U	1.6 U	0.78 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1.4 U	0.72 U
MIBK	No Given Value	50 U	250 U	250 U	250 U	100 U	1,000 U	1,000 U	50 U	10 U	1,000 U	5 U	5 U	5 U	5 U	5 U	5 U	0.91 U	2.1 U	2.1 U	2.1 U	8.4 U	4.2 U
TOLUENE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.51 U	0.51 U	0.51 U	0.51 U	2.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.37 U	0.37 U	0.37 U	0.37 U	1.5 U	0.74 U
1 1 2-TRICHLOROETHANE	1	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.23 U	0.23 U	0.23 U	0.23 U	0.92 U	0.46 U
TETRACHLOROETHENE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1.4 U	0.72 U
2-HEXANONE	50	50 U	250 U	250 U	250 U	100 U	1,000 U	1,000 U	50 U	10 U	1,000 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 U	1.2 U	1.2 U	1.2 U	5.0 U	2.5 U
DIBROMOCHLOROMETHANE	50	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.64 U
CHLOROBENZENE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 U	0.75 U	0.75 U	0.75 U	3.0 U	1.5 U
ETHYLBENZENE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.74 U	0.74 U	0.74 U	3.0 U	1.5 U
P-XYLENE/M-XYLENE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	3 U	3 U	2 U	2 U	2 U	2 U	0.66 U	0.66 U	0.66 U	0.66 U	2.6 U	1.3 U
O-XYLENE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.36 U	0.76 U	0.76 U	0.76 U	3.0 U	1.5 U
STYRENE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 U	0.73 U	0.73 U	0.73 U	2.9 U	1.5 U
BROMOFORM	50	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.26 U	0.26 U	0.26 U	0.26 U	1.0 U	0.52 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	50 U	120 U	120 U	10 U	500 U	500 U	25 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.84 U	0.42 U
Total VOCs (minus Carbon Disulfide)		2,211	5,245	7,440	4,740	14,904	4,670	3,800	490	149	1,540	56	23	12	38	256	52	13	62	11	422	2	293
Percent change			137%	236%	114%	574%	111%	72%	-78%	-93%	-30%	-97%	-99%	-99%	-98%	-88%	-98%	-99%	-97%	-100%	-81%	-100%	-87%

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER DW-9
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	2.7	2.5	1.0 U	1.0 U	1.0 U	1.0 U	1.7	200	1.0 U	1.0 U
CHLOROETHANE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	1 U	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.4	1.0 U	1.0 U
ACETONE	50	5 U	5.0 U	1.7	1.8	2.0	2.0	5.0 U	2.3	1.0 U	1.0 U
CARBON DISULFIDE	60	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.7	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.58 J	200	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	1 U	8.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	0.29	13	0.4	1.0 U	1.0 U	1.0 U	1.0 U	6.4	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	1 U	1,100	22	4.9	3.7	3.9	6.8	420.0	3.3	4.0
METHYL ETHYL KETONE	50	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.2	5.0 U	5.0 U
CHLOROFORM	7	1 U	3	0.47	1.0 U	1.0 U	1.0 U	1.0 U	1.9	1.2	0.38
1 1 1-TRICHLOROETHANE	5*	1 U	44	1.1	1.0 U	1.0 U	1.0 U	1.0 U	4.9	1.0 U	0.3
CARBON TETRACHLORIDE	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BENZENE	1	1 U	0.85	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	36	2,400	70	20	15	18	11	210	16	20
1 2-DICHLOROPROPANE	1	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.87	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		40	3,584	96	27	21	24	20	1,052	21	25
Percent change		-98%	62%	-96%	-99%	-99%	-99%	-99%	-52%	-99%	-99%

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997.
This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER DW-10
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Feb-96	Oct-96	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14
CHLOROMETHANE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	6.9 U	0.35 U	0.35 U	0.35 U	0.35 U	7.0 U
VINYL CHLORIDE	2	136	1,250 U	1,200 U	1,000 U	200 U	200 U	200 U	100 U	64	49	200 U	100 U	71	43	16	49	190	210	0.90 U	160	78
CHLOROETHANE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	40 U	200 U	100 U	1 U	20 U	10 U	6.5 U	0.32 U	0.32 U	0.32 U	0.32 U	6.4 U
BROMOMETHANE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	5.6 U	0.69 U	0.69 U	0.69 U	0.69 U	14 U
1 1-DICHLOROETHENE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	4	20 U	200 U	100 U	2.4	20 U	10 U	5.9 U	4.6	18	0.2 U	3.6	5.8 U
ACETONE	50	50 U	6,250 U	6,200 U	5,000 U	2,000 U	2,000 U	2,500 U	1,300 U	10 U	200 U	1,000 U	500 U	5 U	100 U	50 U	27 U	3.0 U	3.0 U	3.0 U	3.0 U	60 U
CARBON DISULFIDE	60	5 U	1,250 U	1,200 U	1,000 U	210	200 U	500 U	250 U	1	20 U	200 U	100 U	1 U	20 U	10 U	3.9 U	0.63	0.19 U	0.19 U	0.67	3.8 U
METHYLENE CHLORIDE	5*	27,400	45,000	14,000	19,000	15,000	17,000	16,000	7,300	19,000	2,800	4,300	2,700	2,300	930	180	990	1,700	1,400	1.4	1,700	960
TRANS-1 2-DICHLOROETHENE	5*	16	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	6	20 U	200 U	100 U	2.9	20 U	10 U	8.4 U	5.4	2.8	0.90 U	3.0	18 U
1 1-DICHLOROETHANE	5*	17	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	8	20 U	200 U	100 U	5.6	9.8	10 U	7.7 U	12	19	0.38 U	11	7.6
CIS-1 2-DICHLOROETHENE	5*	2,150	3,300	1,200 U	1,000 U	610	1,400	670	1,300	710	600	220	520	350	410	500	300	950	460	36	550	230
METHYL ETHYL KETONE	50	50 U	6,250 U	6,200 U	5,000 U	2,000 U	2,000 U	2,500 U	1,300 U	10 U	200 U	1,000 U	500 U	5 U	100 U	50 U	26 U	1.3 U	1.3 U	1.3 U	1.3 U	26 U
CHLOROFORM	7	7	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	6	20 U	200 U	100 U	0.84	20 U	10 U	6.7 U	1.2	0.69	3.4	1.0	6.8 U
1 1 1-TRICHLOROETHANE	5*	150	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	58	51	200 U	100 U	10	31	27	29	56	270	0.99	9.2	16 U
CARBON TETRACHLORIDE	5	22	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	27	60 U	200 U	100 U	1 U	20 U	10 U	5.3 U	0.27 U	0.27 U	0.27 U	0.27 U	5.4 U
BENZENE	1	5 U	1,250 U	1,200 U	1,000 U	140 U	140 U	70 U	35 U	0.7 U	14 U	200 U	100 U	1 U	20 U	10 U	8.2 U	0.41 U	0.41 U	0.41 U	0.41 U	8.2 U
1 2-DICHLOROETHANE	0.6	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	4.3 U	0.21 U	0.21 U	0.21 U	0.21 U	4.2 U
TRICHLOROETHENE	5*	3,890	4,100	1,200 U	1,300	950	1,500	500 U	930	1,100	300	160	240	150	52	78	43	90	42	51	110	30
1 2-DICHLOROPROPANE	1	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	6.5 U	0.72 U	0.72 U	0.72 U	0.72 U	14 U
BROMODICHLOROMETHANE	50	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	7.7 U	0.39 U	0.39 U	0.41	0.39 U	7.8 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	7.1 U	0.36 U	0.36 U	0.36 U	0.36 U	7.2 U
MIBK	No Given Value	50 U	6,250 U	2,500 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U	10 U	200 U	1,000 U	500 U	5 U	100 U	50 U	18 U	2.1 U	2.1 U	2.1 U	2.1 U	42 U
TOLUENE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	2	20 U	200 U	100 U	1 U	20 U	10 U	10 U	0.51	0.51 U	0.51 U	0.51 U	10 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	7.4 U	0.37 U	0.37 U	0.37 U	0.37 U	7.4 U
1 1 2-TRICHLOROETHANE	1	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	4.6 U	0.23 U	0.23 U	0.23 U	0.23 U	4.6 U
TETRACHLOROETHENE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	7.3 U	0.36 U	0.36 U	0.36 U	0.36 U	7.2 U
2-HEXANONE	50	50 U	6,250 U	2,500 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U	10 U	200 U	1,000 U	500 U	5 U	100 U	50 U	25 U	1.2 U	1.2 U	1.2 U	1.2 U	25 U
DIBROMOCHLOROMETHANE	50	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	6.4 U	0.32 U	0.32 U	0.32 U	0.32 U	6.4 U
CHLOROBENZENE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	6.3 U	0.75 U	0.75 U	0.75 U	0.75 U	15 U
ETHYLBENZENE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	3.7 U	0.74 U	0.74 U	0.74 U	0.74 U	15 U
P-XYLENE/M-XYLENE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	600 U	300 U	2 U	60 U	30 U	13 U	0.66 U	0.66 U	0.66 U	0.66 U	13 U
O-XYLENE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	7.2 U	0.76 U	0.76 U	0.76 U	0.76 U	15 U
STYRENE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	3.7 U	0.73 U	0.73 U	0.73 U	0.73 U	15 U
BROMOFORM	50	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	5.1 U	0.26 U	0.26 U	0.26 U	0.26 U	5.2 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	1,250 U	1,200 U	1,000 U	200 U	200 U	500 U	250 U	1 U	20 U	200 U	100 U	1 U	20 U	10 U	4.3 U	0.21 U	0.21 U	0.21 U	0.21 U	4.2 U
Total VOCs (minus Carbon Disulfide)		33,788	52,400	14,000	20,300	16,560	19,900	16,670	9,530	20,985	3,800	4,680	3,460	2,893	1,476	801	1,411	3,010	2,422	93	2,548	1,306
Percent change			55%	-59%	-40%	-51%	-41%	-51%	-72%	-38%	-89%	-86%	-90%	-91%	-96%	-98%	-96%	-91%	-93%	-100%	-92%	-96%

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and October 2005

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER DW-10
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	ANALYTE	Groundwater Protection Standard (µg/L)	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	CHLOROMETHANE	5*	10 U	10 U	0.24	1.0 U	50 U	100 U	50 U	50 U	2.5 U	4.8
VINYL CHLORIDE	VINYL CHLORIDE	2	140	110	2.3	260	130	160	38	970	6.2	730
CHLOROETHANE	CHLOROETHANE	5*	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
BROMOMETHANE	BROMOMETHANE	5*	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
1 1-DICHLOROETHENE	1 1-DICHLOROETHENE	5*	10 U	5.9	1.0 U	17	50 U	100 U	50 U	39	0.73	32
ACETONE	ACETONE	50	50 U	50 U	1.5	4.9	250 U	500 U	250 U	250 U	18	25 U
CARBON DISULFIDE	CARBON DISULFIDE	60	10 U	10 U	1.0 U	14	50 U	28	50 U	150	2.5	66
METHYLENE CHLORIDE	METHYLENE CHLORIDE	5*	1,500	2,300	170	16,000	10,000	14,000	5,100	130,000	390	100,000
TRANS-1 2-DICHLOROETHENE	TRANS-1 2-DICHLOROETHENE	5*	3.5	3.8	1.0 U	12	50 U	100 U	50 U	37	2.5 U	33
1 1-DICHLOROETHANE	1 1-DICHLOROETHANE	5*	14	12	1.0 U	15	50 U	00 U	50 U	12	2.5 U	9.0
CIS-1 2-DICHLOROETHENE	CIS-1 2-DICHLOROETHENE	5*	1,000	960	17	1,100	480	640	130	2,300	15	2,100
METHYL ETHYL KETONE	METHYL ETHYL KETONE	50	50 U	50 U	5.0 U	5.0 U	250 U	500 U	250 U	250 U	10 J	25 U
CHLOROFORM	CHLOROFORM	7	10 U	3.4	1.0 U	5.4	50 U	93	50 U	50	1.1	40
1 1 1-TRICHLOROETHANE	1 1 1-TRICHLOROETHANE	5*	60	57	0.5	18	50 U	100 U	50 U	50 U	2.5 U	9.5
CARBON TETRACHLORIDE	CARBON TETRACHLORIDE	5	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
BENZENE	BENZENE	1	10 U	10 U	1.0 U	0.89	50 U	100 U	50 U	50 U	2.5 U	2.5
1 2-DICHLOROETHANE	1 2-DICHLOROETHANE	0.6	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
TRICHLOROETHENE	TRICHLOROETHENE	5*	610	510	32	36,000	8,900	13,000	610	2,000	100	2,100
1 2-DICHLOROPROPANE	1 2-DICHLOROPROPANE	1	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
BROMODICHLOROMETHANE	BROMODICHLOROMETHANE	50	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
CIS-1 3-DICHLOROPROPENE	CIS-1 3-DICHLOROPROPENE	0.4**	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
MIBK	MIBK	No Given Value	50 U	50 U	5.0 U	5.0 U	250 U	500 U	250 U	250 U	13 U	1.9 J
TOLUENE	TOLUENE	5*	10 U	10 U	1.0 U	8.0	50 U	100 U	50 U	17	2.5 U	16
TRANS-1 3-DICHLOROPROPENE	TRANS-1 3-DICHLOROPROPENE	0.4**	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
1 1 2-TRICHLOROETHANE	1 1 2-TRICHLOROETHANE	1	10 U	10 U	1.0 U	0.75	50 U	100 U	50 U	50 U	2.5 U	3
TETRACHLOROETHENE	TETRACHLOROETHENE	5*	10 U	10 U	1.0 U	8.0	50 U	100 U	50 U	50 U	2.5 U	3.4
2-HEXANONE	2-HEXANONE	50	50 U	50 U	5.0 U	5.0 U	250 U	500 U	250 U	250 U	21	25 U
DIBROMOCHLOROMETHANE	DIBROMOCHLOROMETHANE	50	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
CHLOROBENZENE	CHLOROBENZENE	5*	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
ETHYLBENZENE	ETHYLBENZENE	5*	10 U	10 U	1.0 U	1.4	50 U	100 U	50 U	50 U	2.5 U	1.6
P-XYLENE/M-XYLENE	P-XYLENE/M-XYLENE	5*	30 U	20 U	2.0 U	4.6	100 U	200 U	100 U	100 U	5.0 U	5.7
O-XYLENE	O-XYLENE	5*	10 U	10 U	1.0 U	1.7	50 U	100 U	50 U	50 U	2.5 U	2.3
STYRENE	STYRENE	5*	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
BROMOFORM	BROMOFORM	50	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
1 1 2 2-TETRACHLOROETHANE	1 1 2 2-TETRACHLOROETHANE	5*	10 U	10 U	1.0 U	1.0 U	50 U	100 U	50 U	50 U	2.5 U	5.0 U
Total VOCs (minus Carbon Disulfide)			3,328	3,962	224	53,458	19,510	27,893	5,878	135,425	552	105,093
Percent change	Percent change		-90%	-88%	-99%	58%	-42%	-17%	-83%	301%	-98%	211%

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and October 2005
This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER DW-11
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Feb-96	Oct-96	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14
CHLOROMETHANE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
VINYL CHLORIDE	2	123	210	500 U	500 U	150	230	390	220	220	240	340	430	580	360	520	580	1.9	0.9 U	0.90 U	710	520
CHLOROETHANE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	2 U	500 U	400 U	0.46	100 U	80 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
BROMOMETHANE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.28 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
1 1-DICHLOROETHENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	18	34	500 U	400 U	36	100 U	80 U	13	11	1.2	0.29 U	37	20
ACETONE	50	250 U	250 U	2,500 U	2,500 U	1,000 U	1,000 U	1,000 U	2,500 U	10 U	10 U	2,500 U	2,000 U	5 U	500 U	400 U	1.3 U	3.0 U	3 U	3.0 U	3.0 U	3.0 U
CARBON DISULFIDE	60	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	2	4	500 U	400 U	1 U	100 U	80 U	0.61	0.19 U	0.19 U	0.19 U	2.5	0.19 U
METHYLENE CHLORIDE	5*	1,670	6,500	2,700	3,800	5,400	5,800	10,000	6,200	3,600	8,800	17,000	9,300	6,800	5,900	7,900	2,700	0.44 U	0.44 U	0.44 U	2,800	1,700
TRANS-1 2-DICHLOROETHENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	28	20	500 U	400 U	22	100 U	80 U	7.2	4.5	0.9 U	0.90 U	8.7	7.9
1 1-DICHLOROETHANE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	35	62	500 U	400 U	45	100 U	80 U	19	9.3	1.0	0.38 U	51	37
CIS-1 2-DICHLOROETHENE	5*	2,360	2,100	3,200	3,300	2,800	4,000	5,800	4,100	2,100	2,900	5,700	7,000	6,800	3,300	3,300	2,800	1,700	87	19	4,200	3,400
METHYL ETHYL KETONE	50	250 U	250 U	2,500 U	2,500 U	1,000 U	70 U	1,000 U	2,500 U	10 U	10 U	2,500 U	2,000 U	5 U	500 U	400 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
CHLOROFORM	7	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	6	500 U	400 U	2.5	100 U	80 U	0.98	1.4	1.9	0.34 U	1.2	1.3
1 1 1-TRICHLOROETHANE	5*	249	180	500 U	1,000	620	760	600	670	1,100	920	740	580	390	140	180	84	83	3.9	1.1	270	240
CARBON TETRACHLORIDE	5	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	260	160	500 U	400 U	1 U	100 U	80 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
BENZENE	1	25 U	50 U	500 U	500 U	70 U	70 U	70 U	70 U	0.7 U	1	500 U	400 U	0.58	100 U	400 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1 2-DICHLOROETHANE	0.6	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
TRICHLOROETHENE	5*	10,500	12,000	11,000	15,000	15,000	14,000	15,000	12,000	5,500	9,700	14,000	9,400	4,900	2,000	2,600	1,300	900	54	7.8	1,900	1,400
1 2-DICHLOROPROPANE	1	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	36	500 U	400 U	1 U	100 U	80 U	0.32 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
BROMODICHLOROMETHANE	50	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.39 U	0.39 U	0.77 U	0.39 U	0.39 U	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
MIBK	No Given Value	250 U	250 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	10 U	10 U	2,500 U	2,000 U	5 U	500 U	400 U	0.91 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
TOLUENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	10	12	500 U	400 U	5.2	100 U	80 U	1.7	0.51 U	0.51 U	0.51 U	1.7	1.3
TRANS-1 3-DICHLOROPROPENE	0.4**	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1 1 2-TRICHLOROETHANE	1	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
TETRACHLOROETHENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	14	17	500 U	400 U	5.7	100 U	80 U	0.92	0.36 U	0.36 U	0.36 U	1.8	1.8
2-HEXANONE	50	250 U	250 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	10 U	10 U	2,500 U	2,000 U	5 U	500 U	400 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
DIBROMOCHLOROMETHANE	50	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
CHLOROBENZENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1.5	100 U	80 U	0.32 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
ETHYLBENZENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	3	2	500 U	400 U	3.2	100 U	80 U	0.47	0.74 U	0.74 U	0.74 U	0.9	0.75
P-XYLENE/M-XYLENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	3	4	1,500 U	1,200 U	2.2	300 U	240 U	0.71	0.66 U	0.66 U	0.66 U	1.1	0.92
O-XYLENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	2	500 U	400 U	1 U	100 U	80 U	0.57	0.76 U	0.76 U	0.76 U	1.2	1.0
STYRENE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.18 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
BROMOFORM	50	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	25 U	50 U	500 U	500 U	100 U	100 U	100 U	500 U	1 U	1 U	500 U	400 U	1 U	100 U	80 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Total VOCs (minus Carbon Disulfide)		14,902	20,990	16,900.00	23,100.00	23,970.00	24,790.00	31,790.00	23,190.00	12,891.00	22,916.00	37,780.00	26,710.00	19,594.34	11,700.00	14,500.00	7,495.55	2,711.10	149.00	27.90	9,984.60	7,331.97
Percent change			41%	13%	55%	61%	66%	113%	56%	-13%	54%	154%	79%	31%	-21%	-3%	-50%	-82%	-99%	-100%	-33%	-51%

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and October 2005.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER DW-11
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	ANALYTE	Groundwater Protection Standard (µg/L)	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	CHLOROMETHANE	5*	10 U	10 U	0.45	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
VINYL CHLORIDE	VINYL CHLORIDE	2	420	450	100	13	40	190	59	180	0.53	240
CHLOROETHANE	CHLOROETHANE	5*	10 U	10 U	29	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
BROMOMETHANE	BROMOMETHANE	5*	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	1 1-DICHLOROETHENE	5*	17	10 U	1.2	1.0 U	1.0 U	2.2	1.4	11	1.0 U	3.3
ACETONE	ACETONE	50	50 U	50 U	5.0 U	48	14	2.6	22	25 U	2.7	2.1
CARBON DISULFIDE	CARBON DISULFIDE	60	6	3.4	0.35	0.39	0.48	8.8	13	55	1.0 U	40
METHYLENE CHLORIDE	METHYLENE CHLORIDE	5*	780	10 U	1.0 U	11	14	72	180	490	0.77	77
TRANS-1 2-DICHLOROETHENE	TRANS-1 2-DICHLOROETHENE	5*	8.3	5.9	1.0	1.0 U	1.0 U	1.5	1.7	3.9	1.0 U	2.8
1 1-DICHLOROETHANE	1 1-DICHLOROETHANE	5*	33	25	8.6	0.88	2.8	17	3.4J	28	1.0 U	33
CIS-1 2-DICHLOROETHENE	CIS-1 2-DICHLOROETHENE	5*	3,900	1,500	110	23	31	190	630	1,300	11	210
METHYL ETHYL KETONE	METHYL ETHYL KETONE	50	50 U	50 U	5.0 U	1.0	5.0 U	5.0 U	25 U	25 U	5.0 U	1.1
CHLOROFORM	CHLOROFORM	7	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	2.7	5.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	1 1 1-TRICHLOROETHANE	5*	160	110	45	3.3	5.6	58	7.8	92.0	0.31	91
CARBON TETRACHLORIDE	CARBON TETRACHLORIDE	5	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
BENZENE	BENZENE	1	10 U	10 U	1.0 U	0.84	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	1 2-DICHLOROETHANE	0.6	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
TRICHLOROETHENE	TRICHLOROETHENE	5*	1,100	14	35	520	190	1,300	180	17,000	35	3,000
1 2-DICHLOROPROPANE	1 2-DICHLOROPROPANE	1	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	BROMODICHLOROMETHANE	50	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	CIS-1 3-DICHLOROPROPENE	0.4**	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
MIBK	MIBK	No Given Value	50 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U
TOLUENE	TOLUENE	5*	10 U	10 U	1.0 U	0.54	0.24	1.2	5.0 U	6.1	1.2	2.5
TRANS-1 3-DICHLOROPROPENE	TRANS-1 3-DICHLOROPROPENE	0.4**	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1 1 2-TRICHLOROETHANE	1	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	TETRACHLOROETHENE	5*	10 U	10 U	1.0 U	0.46	1.0 U	0.55	5.0 U	2	0.55	1.7
2-HEXANONE	2-HEXANONE	50	50 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	DIBROMOCHLOROMETHANE	50	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
CHLOROBENZENE	CHLOROBENZENE	5*	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
ETHYLBENZENE	ETHYLBENZENE	5*	10 U	10 U	1.0 U	1.0 U	1.0 U	0.22	5.0 U	5.0 U	0.22	0.59
P-XYLENE/M-XYLENE	P-XYLENE/M-XYLENE	5*	30 U	20 U	2.0 U	0.56	2.0 U	0.78	10 U	2.8	0.78	2.0
O-XYLENE	O-XYLENE	5*	10 U	10 U	1.0 U	1.0 U	1.0 U	0.31	5.0 U	1.1	0.31	0.78
STYRENE	STYRENE	5*	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
BROMOFORM	BROMOFORM	50	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	1 1 2 2-TETRACHLOROETHANE	5*	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)	Total VOCs (minus Carbon Disulfide)		6,418.30	2,104.90	330.25	622.58	297.64	1,836.36	1,084.60	19,116.90	53.37	3,667.87
Percent change	Percent change		-57%	-86%	-98%	-96%	-98%	-88%	-93%	28%	-100%	-75%

This well was not sampled on the followingThis well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and October 2005.
This well sampled as part of BioremediationThis well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER DW-12
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jan-95	Feb-96	Oct-96	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14
CHLOROMETHANE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.35 U	0.35 U	0.35 U	35 U	18 U	18 U
VINYL CHLORIDE	2	15	25 U	46	500 U	120	420	260	200 U	42	500 U	200 U	500 U	15	2 U	1.9	10	2.5	530	620	510	370
CHLOROETHANE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	1,000 U	200 U	500 U	1 U	2 U	1 U	0.32 U	0.32 U	0.32 U	32 U	16 U	16 U
BROMOMETHANE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	0.88	2 U	1 U	0.28 U	0.69 U	0.69 U	69 U	35 U	35 U
1 1-DICHLOROETHENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	1	1.9	2.7	3.2	29	29 U	15 U	15 U
ACETONE	50	50 U	125 U	120 U	2,500 U	1,100	2,500 U	1,000 U	2,500 U	10 U	5,000 U	1,000 U	2,500 U	5 U	10 U	5 U	1.3 U	3.0 U	3 U	300 U	150 U	150 U
CARBON DISULFIDE	60	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.19 U	0.19 U	0.46	19 U	9.5 U	9.5 U
METHYLENE CHLORIDE	5*	159	52	710	1,500	530	270	610	500 U	200	500 U	200 U	500 U	370	2 U	1 U	0.55	0.44 U	6.1	110	1,900	140
TRANS-1 2-DICHLOROETHENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	6	500 U	200 U	500 U	3.8	1.7	2.6	2.3	2.2	12	90 U	45 U	45 U
1 1-DICHLOROETHANE	5*	7	25 U	25 U	500 U	100 U	500 U	100 U	500 U	5	500 U	200 U	500 U	3.3	6.9	11	11	8.7	27	40	19 U	27
CIS-1 2-DICHLOROETHENE	5*	592	580	3,600	5,300	5,800	6,600	11,000	8,600	730	2,000	1,300	14,000	530	140	240	280	180	7,300	8,400	3,000	2,800
METHYL ETHYL KETONE	50	50 U	125 U	120 U	2,500 U	1,000 U	2,500 U	1,000 U	2,500 U	10 U	5,000 U	1,000 U	2,500 U	5 U	10 U	5 U	1.3 U	1.3 U	1.3 U	130 U	66 U	66 U
CHLOROFORM	7	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	3	500 U	200 U	500 U	1 U	1.2	0.78	1.9	1.5	1.2	34 U	17 U	17 U
1 1 1-TRICHLOROETHANE	5*	35	27	68	500 U	100 U	500 U	100	500 U	13	500 U	200 U	500 U	14	20	46	52	38	160	220	190	170
CARBON TETRACHLORIDE	5	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	17	1,500 U	200 U	500 U	250	2 U	1 U	0.27 U	0.27 U	0.27 U	27 U	14 U	14 U
BENZENE	1	5 U	25 U	25 U	500 U	70 U	500 U	70 U	70 U	0.7 U	350 U	200 U	500 U	1 U	2 U	1 U	0.41 U	0.41 U	0.41 U	41 U	21 U	21 U
1 2-DICHLOROETHANE	0.6	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.21 U	0.21 U	0.21 U	21 U	11 U	11 U
TRICHLOROETHENE	5*	639	130	9,300	9,600	7,300	6,100	11,000	4,000	1,500	13,000	7,000	160	1 U	18	38	25	51	1,400	980	1,100	550
1 2-DICHLOROPROPANE	1	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.32 U	0.72 U	0.72 U	72 U	36 U	36 U
BROMODICHLOROMETHANE	50	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.39 U	0.39 U	0.39 U	39 U	20 U	20 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.36 U	0.36 U	0.36 U	36 U	18 U	18 U
MIBK	No Given Value	50 U	125 U	50 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	10 U	5,000 U	1,000 U	2,500 U	5 U	10 U	5 U	0.91 U	2.1 U	2.1	210 U	110 U	110 U
TOLUENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.51 U	0.51 U	0.82 U	51 U	26 U	26 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.37 U	0.37 U	0.37 U	37 U	19 U	19 U
1 1 2-TRICHLOROETHANE	1	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.23 U	0.23 U	0.23 U	23 U	12 U	12 U
TETRACHLOROETHENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.36 U	0.36 U	0.59	36 U	18 U	18 U
2-HEXANONE	50	50 U	125 U	50 U	1,000 U	1,000 U	1,000 U	1,000 U	1,000 U	10 U	5,000 U	1,000 U	2,500 U	5 U	10 U	5 U	1.2 U	1.2 U	1.2 U	120 U	62 U	62 U
DIBROMOCHLOROMETHANE	50	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.32 U	0.32 U	0.32 U	32 U	16 U	16 U
CHLOROBENZENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.32 U	0.75 U	0.75 U	75 U	38 U	38 U
ETHYLBENZENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.18 U	0.74 U	0.74 U	74 U	37 U	37 U
P-XYLENE/M-XYLENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	600 U	1,500 U	2 U	6 U	2 U	0.66 U	0.66 U	0.66 U	66 U	33 U	33 U
O-XYLENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.36 U	0.76 U	0.76 U	76 U	38 U	38 U
STYRENE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.18 U	0.73 U	0.73 U	73 U	37 U	37 U
BROMOFORM	50	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.26 U	0.26 U	0.26 U	26 U	13 U	13 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	25 U	25 U	500 U	100 U	500 U	100 U	500 U	1 U	500 U	200 U	500 U	1 U	2 U	1 U	0.21 U	0.21 U	0.21 U	21 U	11 U	11 U
Total VOCs (minus Carbon Disulfide)		1,447	789	13,724.00	16,400.00	14,850.00	13,390.00	22,970.00	12,600.00	2,516.00	15,000.00	8,300.00	14,160.00	1,186.98	188.80	342.18	385.45	287.10	9,467.99	10,370.00	6,700.00	4,057.00
Percent change			-45%	848%	1033%	926%	825%	1487%	771%	74%	937%	474%	879%	-18%	-87%	-76%	-73%	-80%	554%	617%	363%	180%

This well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and October 2005.

This well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER DW-12
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	ANALYTE	Groundwater Protection Standard (µg/L)	Oct-15	Oct-16	Nov-17	Jan-18	Feb-18	Mar-18	Jun-18	Sep-18	Oct-18	Dec-18
CHLOROMETHANE	CHLOROMETHANE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	VINYL CHLORIDE	2	74	180	1.0 U	1.0 U	1.0 U	0.45	1	4.5	1.0 U	6.3
CHLOROETHANE	CHLOROETHANE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	BROMOMETHANE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	1 1-DICHLOROETHENE	5*	2.8	5.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ACETONE	ACETONE	50	5 U	5.0 U	2.4	5.0 U	1.9	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON DISULFIDE	CARBON DISULFIDE	60	1 U	0.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYLENE CHLORIDE	METHYLENE CHLORIDE	5*	84	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	TRANS-1 2-DICHLOROETHENE	5*	1.1	15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3
1 1-DICHLOROETHANE	1 1-DICHLOROETHANE	5*	8.6	13	1.0 U	1.0 U	1.0 U	0.76	1.3	3.4	1.0 U	3.1
CIS-1 2-DICHLOROETHENE	CIS-1 2-DICHLOROETHENE	5*	220	1,700	1.5	2.2	1.1	4.2	7.5	16	0.7	14
METHYL ETHYL KETONE	METHYL ETHYL KETONE	50	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	CHLOROFORM	7	0.31	1.1	1.0 U	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	1 1 1-TRICHLOROETHANE	5*	28	34	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5	1.0 U	1.0 U
CARBON TETRACHLORIDE	CARBON TETRACHLORIDE	5	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BENZENE	BENZENE	1	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	1 2-DICHLOROETHANE	0.6	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	TRICHLOROETHENE	5*	140	83	1.2	0.87	0.70	1.3	1.3	1.2	1.4	0.77
1 2-DICHLOROPROPANE	1 2-DICHLOROPROPANE	1	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	BROMODICHLOROMETHANE	50	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	CIS-1 3-DICHLOROPROPENE	0.4**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MIBK	MIBK	No Given Value	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	TOLUENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	TRANS-1 3-DICHLOROPROPENE	0.4**	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1 1 2-TRICHLOROETHANE	1	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	TETRACHLOROETHENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	2-HEXANONE	50	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	DIBROMOCHLOROMETHANE	50	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	CHLOROBENZENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	ETHYLBENZENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	P-XYLENE/M-XYLENE	5*	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	O-XYLENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	STYRENE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	BROMOFORM	50	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	1 1 2 2-TETRACHLOROETHANE	5*	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)			558.81	2,031.30	5.10	3.42	3.70	6.71	10.61	25.60	2.12	24.50
Percent change	Percent change		-61%	40%	-100%	-100%	-100%	-100%	-99%	-98%	-100%	-98%

This well was not sampled on the followingThis well was not sampled on the following dates: April, July and October 1993; January, April, July and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and October 2005.
This well sampled as part of BioremediatioThis well sampled as part of Bioremediation Program starting November 2017.

WELL NUMBER EW-2
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Jan-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Apr-04	Oct-04	Oct-05	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Apr-14	Oct-14
CHLOROMETHANE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.35 U	0.35 U	0.35 U	1.8 U	1.8 U	1 U	1.8 U
VINYL CHLORIDE	2	100	83	500 U	500 U	250 U	250 U	125 U	120 U	120 U	170	190	83	110	100	62	18	14	26	1 U	56	4.1	0.90 U	0.9 U	16	6.7	1.8	57
CHLOROETHANE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	40 U	50 U	1 U	10 U	1 U	1 U	40 U	0.32 U	0.32 U	0.32 U	1.6 U	1.6 U	1 U	1.6 U
BROMOMETHANE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.28 U	0.69 U	0.69 U	3.5 U	3.5 U	1 U	3.5 U
1 1-DICHLOROETHENE	5*	33	12	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	4	20 U	50 U	0.62	10 U	1.6	1 U	40 U	1.5	1.2	3.0	1.9	1.5 U	1 U	1.5 U
ACETONE	50	50 U	50 U	5,000 U	5,000 U	2,500 U	2,500 U	625 U	620 U	620 U	630 U	630 U	630 U	10 U	200 U	250 U	5 U	50 U	5 U	2,900	200 U	1.3 U	3.0 U	3 U	15	15 U	5 U	15 U
CARBON DISULFIDE	60	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.19 U	0.19 U	0.19 U	0.95 U	0.95 U	1 U	0.95 U
METHYLENE CHLORIDE	5*	21	6 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.44 U	0.44 U	0.44 U	2.2 U	2.2 U	1 U	2.2 U
TRANS-1 2-DICHLOROETHENE	5*	16	12	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	13	20 U	50 U	3.6	5.5	4.5	3	40 U	4.0	3.0	5.8	4.5 U	4.5 U	1.3	4.5 U
1 1-DICHLOROETHANE	5*	8	11	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	5	20 U	50 U	1.6	4.3	4.3	2	40 U	4.7	2.9	6.5	4.7	5.1	3.6	5.2
CIS-1 2-DICHLOROETHENE	5*	5,460	4,760	5,000	4,710	5,750	1,740	2,100	1,900	2,200	2,400	2,100	710	1,700	2,200	1,600	390	930	880	370	2,300	920	550	1,000	300	230	16	370
METHYL ETHYL KETONE	50	50 U	50 U	5,000 U	5,000 U	2,500 U	2,500 U	625 U	620 U	620 U	630 U	630 U	630 U	10 U	200 U	250 U	5 U	50 U	5 U	56,000	200 U	1.3 U	1.3 U	1.3 U	6.6 U	6.6 U	5 U	6.6 U
CHLOROFORM	7	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	2	20 U	50 U	1.5	4.6	1.9	1	40 U	1.5	2.2	1.8	1.7 U	1.7 U	0.57	1.7 U
1 1 1-TRICHLOROETHANE	5*	59	57	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	10	56	50 U	3.3	12	13	7.1	40 U	19	11	57	9.5	6.3	4.0	6.6
CARBON TETRACHLORIDE	5	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	16	60 U	50 U	1 U	10 U	1 U	1 U	40 U	0.27 U	0.27 U	0.27 U	1.4 U	1.4 U	1 U	1.4 U
BENZENE	1	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	18 U	18 U	0.7 U	14 U	250 U	1 U	10 U	1 U	1 U	200 U	0.41 U	0.41 U	0.41 U	2.1 U	2.1 U	1 U	2.1 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.21 U	0.21 U	0.21 U	1.1 U	1.1 U	1 U	1.1 U
TRICHLOROETHENE	5*	1,700	1,970	1,390	2,540	4,310	2,010	850	330	120 U	50	130 U	130 U	110	190	150	24	88	68	14	72	28	19	27	8.4	9.1	4.1	6.2
1 2-DICHLOROPROPANE	1	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.32 U	0.72 U	0.72 U	3.6 U	3.6 U	1 U	3.6 U
BROMODICHLOROMETHANE	50	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.39 U	0.39 U	0.39 U	2.0 U	2.0 U	1 U	2.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.36 U	0.36 U	0.36 U	1.8 U	1.8 U	1 U	1.8 U
MIBK	No Given Value	50 U	50 U	5,000 U	5,000 U	2,500 U	2,500 U	625 U	250 U	250 U	250 U	250 U	250 U	10 U	200 U	250 U	5 U	50 U	5 U	5 U	200 U	0.91 U	2.1 U	2.1 U	11 U	11 U	5 U	11 U
TOLUENE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.51 U	0.51 U	0.51 U	2.6 U	2.6 U	1 U	2.6 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.37 U	0.37 U	0.37 U	1.9 U	1.9 U	1 U	1.9 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.23 U	0.23 U	0.23 U	1.2 U	1.2 U	1 U	1.2 U
TETRACHLOROETHENE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.36 U	0.36 U	0.36 U	1.8 U	1.8 U	1 U	1.8 U
2-HEXANONE	50	50 U	50 U	5,000 U	5,000 U	2,500 U	2,500 U	625 U	250 U	250 U	250 U	250 U	250 U	10 U	200 U	250 U	5 U	50 U	5 U	5 U	200 U	1.2 U	1.2 U	1.2 U	6.2 U	6.2 U	5 U	6.2 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.32 U	0.32 U	0.32 U	1.6 U	1.6 U	1 U	1.6 U
CHLOROBENZENE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.32 U	0.75 U	0.75 U	3.8 U	3.8 U	1 U	3.8 U
ETHYLBENZENE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.18 U	0.74 U	0.74 U	3.7 U	3.7 U	1 U	3.7 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	150 U	3 U	30 U	2 U	2 U	120 U	0.66 U	0.66 U	0.66 U	3.3 U	3.3 U	2 U	3.3 U
O-XYLENE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.36 U	0.76 U	0.76 U	3.8 U	3.8 U	1 U	3.8 U
STYRENE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.18 U	0.73 U	0.73 U	3.7 U	3.7 U	1 U	3.7 U
BROMOFORM	50	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.26 U	0.26 U	0.26 U	1.3 U	1.3 U	1 U	1.3 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	500 U	500 U	250 U	250 U	125 U	120 U	120 U	130 U	130 U	130 U	1 U	20 U	50 U	1 U	10 U	1 U	1 U	40 U	0.21 U	0.21 U	0.21 U	1.1 U	1.1 U	1 U	1.1 U
Total VOCs (minus Carbon Disulfide)		7,397.0	6,905.0	6,390.0	7,250.0	10,060.0	3,750.0	2,950.0	2,230.0	2,200.0	2,620.0	2,290.0	793.0	1,970.0	2,546.0	1,812.0	442.6	1,058.4	999.3	59,296.4	2,428.0	982.8	589.3	1,101.1	355.5	257.2	31.4	445.0
Percent change			-7%	-14%	-2%	36%	-49%	-60%	-70%	-70%	-65%	-69%	-89%	-73%	-66%	-76%	-94%	-86%	-86%	702%	-67%	-87%	-92%	-85%	-95%	-97%	-100%	-94%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997, April 1998 and 2006.

WELL NUMBER EW-2
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-15	Jun-15	Oct-15	Apr-16	Oct-16	Apr-17	Nov-17	Apr-18	Oct-18
CHLOROMETHANE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.83	1.0 U	180	3.3	200	2.8	1.9	220	170
CHLOROETHANE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	1.0 U	1.0 U	2.3	1.0 U	1.0 U	1.0 U	1.0 U	0.68	0.28
ACETONE	50	5.0 U	2.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.8	5.0 U
CARBON DISULFIDE	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.23	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	1.0 U	1.0 U	1.0 U	3.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	1.4	1.2	3.7	0.96	2.9	1.1	1.0	2.3	2.1
1 1-DICHLOROETHANE	5*	3.4	4.0	10	3.1	13	2.1	2.5	3.5	4.1
CIS-1 2-DICHLOROETHENE	5*	9.6	24	660	13	250	7.8	6.4	220	55
METHYL ETHYL KETONE	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	1.2	1.2	0.63	0.46	0.65	0.64	1.3	1.1	1.2
1 1 1-TRICHLOROETHANE	5*	3.2	3.1	14	2.7	21	2.9	3.4	3.0	3.9
CARBON TETRACHLORIDE	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BENZENE	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	4.1	5.1	10	3.2	7.7	2.7	2.7	5.4	5.1
1 2-DICHLOROPROPANE	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		24	41	881	30	495	20	19	458	242
Percent change		-100%	-99%	-88%	-100%	-93%	-100%	-100%	-94%	-97%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997, April 1998 and 2006.

WELL NUMBER EW-3
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Jan-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Apr-04	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Apr-14	Oct-14
CHLOROMETHANE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.35 U	0.35 U	0.35 U	18 U	18 U	50 U	18 U
VINYL CHLORIDE	2	28	35	113	58	66	76	150	120 U	200	480	480	450	840	1,100	760	580	330	910	54	790	3,500	720	830	860	800	1,200	990	910
CHLOROETHANE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	200 U	250 U	1 U	50 U	0.54	1 U	20 U	80 U	0.32 U	0.32 U	0.32 U	16 U	16 U	50 U	16 U
BROMOMETHANE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.28 U	0.69 U	0.69 U	35 U	35 U	50 U	35 U
1 1-DICHLOROETHENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	11	100 U	250 U	9.8	50 U	15	2.2	12	80 U	10	8.3	8.2	15 U	15 U	50 U	15 U
ACETONE	50	50 U	50 U	250 U	50 U	250 U	500 U	500 U	620 U	620 U	630 U	630 U	630 U	10 U	1,000 U	1,200 U	5 U	250 U	5 U	5 U	100 U	400 U	1.3 U	3.0 U	3 U	150 U	150 U	250 U	150 U
CARBON DISULFIDE	60	5 U	5 U	279	6	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	0.54	1 U	20 U	56	0.19 U	0.19 U	0.19 U	9.5 U	9.5 U	50 U	9.5 U
METHYLENE CHLORIDE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	41	80 U	0.44 U	0.44 U	0.44 U	22 U	22 U	22	22 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	43	100 U	250 U	24	16	29	4.1	17	80 U	14	13	13	45 U	45 U	50 U	45 U
1 1-DICHLOROETHANE	5*	5 U	5 U	25 U	5	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	10	100 U	250 U	8.7	50 U	16	4.2	14	80 U	13	11	13	19 U	19 U	50 U	19 U
CIS-1 2-DICHLOROETHENE	5*	215	208	815	270	1,140	1,380	2,300	2,800	3,400	3,700	4,300	3,200	4,900	16,000	7,000	5,300	3,800	5,800	1,000	6,000	1,700	4700	3,400	3,200	2,200	2,500	2,700	2,300
METHYL ETHYL KETONE	50	50 U	50 U	250 U	50 U	250 U	500 U	500 U	620 U	620 U	630 U	630 U	630 U	10 U	1,000 U	1,200 U	5 U	250 U	5 U	5 U	100 U	400 U	1.3 U	1.3 U	1.3 U	66 U	66 U	250 U	66 U
CHLOROFORM	7	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1	100 U	250 U	1.9	50 U	1.9	1.1	20 U	80 U	0.78	0.99	0.93	17 U	17 U	50 U	17 U
1 1 1-TRICHLOROETHANE	5*	5 U	5 U	25 U	8	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	14	100 U	250 U	25	20	44	11	28	80 U	22	19	28	41 U	41 U	50 U	41 U
CARBON TETRACHLORIDE	5	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	17	300 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.27 U	0.27 U	0.27 U	14 U	14 U	50 U	14 U
BENZENE	1	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	18 U	18 U	18 U	0.7 U	70 U	250 U	1 U	250 U	1 U	1 U	20 U	400 U	0.41 U	0.41 U	0.41 U	21 U	21 U	250 U	21 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.21 U	0.21 U	0.21 U	11 U	11 U	50 U	11 U
TRICHLOROETHENE	5*	28	5 U	25 U	5 U	43	50 U	930	120 U	120 U	49	130 U	130 U	20	200 U	250 U	14	21	42	38	22	80 U	16	14	13	23 U	23 U	50 U	23 U
1 2-DICHLOROPROPANE	1	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.32 U	0.72 U	0.72 U	36 U	36 U	50 U	36 U
BROMODICHLOROMETHANE	50	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.39 U	0.39 U	0.39 U	20 U	20 U	50 U	20 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.36 U	0.36 U	0.36 U	18 U	18 U	50 U	18 U
MIBK	No Given Value	50 U	50 U	250 U	50 U	250 U	500 U	500 U	250 U	250 U	250 U	250 U	250 U	10 U	1,000 U	1,200 U	5 U	250 U	5 U	5 U	100 U	400 U	0.91 U	2.1 U	2.1 U	110 U	110 U	250 U	110 U
TOLUENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	0.44	1 U	20 U	80 U	0.51 U	0.51 U	0.51 U	26 U	26 U	50 U	26 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.37 U	0.37 U	0.37 U	19 U	19 U	50 U	19 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.23 U	0.23 U	0.23 U	12 U	12 U	50 U	12 U
TETRACHLOROETHENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.36 U	0.36 U	0.36 U	18 U	18 U	50 U	18 U
2-HEXANONE	50	50 U	50 U	250 U	50 U	250 U	500 U	500 U	250 U	250 U	250 U	250 U	250 U	10 U	1000 U	1,200 U	5 U	250 U	5 U	5 U	100 U	400 U	1.2 U	1.2 U	1.2 U	62 U	62 U	250 U	62 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.32 U	0.32 U	0.32 U	16 U	16 U	50 U	16 U
CHLOROBENZENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.32 U	0.75 U	0.75 U	38 U	38 U	50 U	38 U
ETHYLBENZENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.18 U	0.74 U	0.74 U	37 U	37 U	50 U	37 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	750 U	3 U	150 U	2 U	2 U	60 U	240 U	0.66 U	0.66 U	0.66 U	33 U	33 U	100 U	33 U
O-XYLENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.36 U	0.76 U	0.76 U	38 U	38 U	50 U	38 U
STYRENE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.18 U	0.73 U	0.73 U	37 U	37 U	50 U	37 U
BROMOFORM	50	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.26 U	0.26 U	0.26 U	13 U	13 U	50 U	13 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	25 U	5 U	25 U	50 U	100 U	120 U	120 U	130 U	130 U	130 U	1 U	100 U	250 U	1 U	50 U	1 U	1 U	20 U	80 U	0.21 U	0.21 U	0.21 U	11 U	11 U	50 U	11 U
Total VOCs (minus Carbon Disulfide)		271.0	243.0	928.0	341.0	1,249.0	1,456.0	3,380.0	2,800.0	3,600.0	4,229.0	4,780.0	3,650.0	5,856.0	17,100.0	7,760.0	5,963.4	4,187.0	6,858.9	1,114.6	6,924.0	5,200.0	5,495.8	4,296.3	4,136.1	3,000.0	3,700.0	3,712.0	3,210.0
Percent change			-10%	242%	26%	361%	437%	1147%	933%	1228%	1461%	1664%	1247%	2061%	6210%	2763%	2101%	1445%	2431%	311%	2455%	1819%	1928%	1485%	1426%	1007%	1265%	1270%	1085%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and April 1998.

WELL NUMBER EW-3
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-15	Jun-15	Oct-15	Apr-16	Oct-16	Apr-17	Nov-17	Apr-18	Oct-18
CHLOROMETHANE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
VINYL CHLORIDE	2	1,200	960	800	660	720	860	1,000	370	650
CHLOROETHANE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
BROMOMETHANE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
1 1-DICHLOROETHENE	5*	5.7	6.7	10 U	10 U	10 U	10 U	10 U	2.5 U	0.83
ACETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	4.3	13 U
CARBON DISULFIDE	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	5.5
METHYLENE CHLORIDE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
TRANS-1 2-DICHLOROETHENE	5*	9.8	8.8	8.2	9.3	10	8.4	12	2.4	5.2
1 1-DICHLOROETHANE	5*	12	11	14	12	13	16	14	4.1	10
CIS-1 2-DICHLOROETHENE	5*	1,900	1,900	1,300	2,000	1,600	1,300	1,600	170	120
METHYL ETHYL KETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	13 U	13 U
CHLOROFORM	7	10 U	4.3	10 U	10 U	10 U	10 U	3.4	0.98	2.5 U
1 1 1-TRICHLOROETHANE	5*	15	14	17	17	17	14	16	3.4	12
CARBON TETRACHLORIDE	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
BENZENE	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
1 2-DICHLOROETHANE	0.6	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
TRICHLOROETHENE	5*	6.0	6.5	5.5	6.2	4.6	4.3	5.1	4.6	4.0
1 2-DICHLOROPROPANE	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
BROMODICHLOROMETHANE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
CIS-1 3-DICHLOROPROPENE	0.4**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
MIBK	No Given Value	50 U	50 U	50 U	50 U	50 U	50 U	50 U	13 U	13 U
TOLUENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
TRANS-1 3-DICHLOROPROPENE	0.4**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
1 1 2-TRICHLOROETHANE	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
TETRACHLOROETHENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
2-HEXANONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	13 U	13 U
DIBROMOCHLOROMETHANE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
CHLOROBENZENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
ETHYLBENZENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
P-XYLENE/M-XYLENE	5*	20 U	20 U	20 U	20 U	20 U	20 U	20 U	5.0 U	5.0 U
O-XYLENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
STYRENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
BROMOFORM	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
1 1 2 2-TETRACHLOROETHANE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U	2.5 U
Total VOCs (minus Carbon Disulfide)		3,149	2,911	2,145	2,705	2,365	2,203	2,651	560	802
Percent change		1062%	974%	691%	898%	773%	713%	878%	107%	196%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and April 1998.

WELL NUMBER EW-4
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Jan-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Apr-04	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Apr-14	Oct-14
CHLOROMETHANE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.35 U	0.35 U	0.35 U	0.70 U	0.70 U	2 U	0.35 U
VINYL CHLORIDE	2	16	23	67	25	34	43	60	38	57	29	71	71	190	410	170	140	130	210	130	140	240	160	230	130	97	110	83	65
CHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	200 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.32 U	0.32 U	0.32 U	0.64 U	0.64 U	2 U	0.32 U
BROMOMETHANE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.28 U	0.69 U	0.69 U	1.4 U	1.4 U	2 U	0.69 U
1 1-DICHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1.2	10 U	2.7	10 U	10 U	2.8	2.3	1.9	0.93	0.58 U	2 U	0.29 U
ACETONE	50	50 U	50 U	50 U	50 U	50 U	250 U	125 U	120 U	120 U	10 U	10 U	130 U	10 U	1,000 U	200 U	100 U	5 U	50 U	5 U	50 U	50 U	1.3 U	3.0 U	3 U	6.0 U	6.0 U	10 U	3.0 U
CARBON DISULFIDE	60	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	4.7	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U	2 U	0.19 U
METHYLENE CHLORIDE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	19	10 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	2 U	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	6	100 U	40 U	20 U	4.5	8.5	4.2	10 U	52	4.9	5.3	5.0	2.0	2.1	2 U	1.2
1 1-DICHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	3	100 U	40 U	20 U	1.8	10 U	2.7	10 U	10 U	3	3.8	4.7	1.9	1.8	1.3	0.83
CIS-1 2-DICHLOROETHENE	5*	121	156	654	173	488	628	340	200	210	130	120	270	770	5,100	990	860	480	980	990	520	1,900	1,400	1,200	820	130	96	70	37
METHYL ETHYL KETONE	50	50 U	50 U	50 U	50 U	50 U	250 U	125 U	120 U	120 U	10 U	10 U	130 U	10 U	1,000 U	200 U	100 U	5 U	50 U	5 U	50 U	50 U	1.3 U	1.3 U	1.3 U	2.6 U	2.6 U	10 U	1.3 U
CHLOROFORM	7	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	0.47	10 U	0.51	10 U	10 U	0.34 U	0.67	0.52	0.68 U	0.68 U	2 U	0.34 U
1 1 1-TRICHLOROETHANE	5*	5 U	5 U	5	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	2	100 U	40 U	20 U	2.4	4.3	4.6	10 U	5.9	4.8	5.5	13	2.9	2.3	1.7	1.2
CARBON TETRACHLORIDE	5	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	15	300 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.27 U	0.27 U	0.27 U	0.54 U	0.54 U	2 U	0.27 U
BENZENE	1	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	0.7 U	0.7 U	4 U	0.7 U	70 U	200 U	20 U	1 U	10 U	1 U	10 U	10 U	0.41 U	0.41 U	0.41 U	0.82 U	0.82 U	2 U	0.41 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.21 U	0.21 U	0.21 U	0.42 U	0.42 U	2 U	0.21 U
TRICHLOROETHENE	5*	5 U	5 U	28	5 U	21	25 U	25 U	25 U	25 U	11	1	25 U	5	200 U	40 U	20 U	2	4.5	6.5	10 U	8.2	6.3	3.5	6.2	1.2	1.2	2 U	0.57
1 2-DICHLOROPROPANE	1	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.32 U	0.72 U	0.72 U	1.4 U	1.4 U	2 U	0.72 U
BROMODICHLOROMETHANE	50	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.39 U	0.39 U	0.39 U	0.78 U	0.78 U	2 U	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.36 U	0.36 U	0.36 U	0.72 U	0.72 U	2 U	0.36 U
MIBK	No Given Value	50 U	50 U	50 U	50 U	50 U	250 U	125 U	50 U	50 U	10 U	10 U	50 U	10 U	1,000 U	200 U	100 U	5 U	50 U	5 U	50 U	50 U	0.91 U	2.1 U	2.1 U	4.2 U	4.2 U	10 U	2.1 U
TOLUENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.51 U	0.51 U	0.51 U	1.0 U	1.0 U	2 U	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.37 U	0.37 U	0.37 U	0.74 U	0.74 U	2 U	0.37 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.23 U	0.23 U	0.23 U	0.46 U	0.46 U	2 U	0.23 U
TETRACHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.36 U	0.36 U	0.36 U	0.72 U	0.72 U	2 U	0.36 U
2-HEXANONE	50	50 U	50 U	50 U	50 U	50 U	250 U	125 U	50 U	50 U	10 U	10 U	50 U	10 U	1,000 U	200 U	100 U	5 U	50 U	5 U	50 U	50 U	1.2 U	1.2 U	1.2 U	2.5 U	2.5 U	10 U	1.2 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.32 U	0.32 U	0.32 U	0.64 U	0.64 U	2 U	0.32 U
CHLOROBENZENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.32 U	0.75 U	0.75 U	1.5 U	1.5 U	2 U	0.75 U
ETHYLBENZENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.18 U	0.74 U	0.74 U	1.5 U	1.5 U	2 U	0.74 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	120 U	60 U	3 U	20 U	2 U	30 U	30 U	0.66 U	0.66 U	0.66 U	1.3 U	1.3 U	4 U	0.66 U
O-XYLENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.36 U	0.76 U	0.76 U	1.5 U	1.5 U	2 U	0.76 U
STYRENE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.18 U	0.73 U	0.73 U	1.5 U	1.5 U	2 U	0.73 U
BROMOFORM	50	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.26 U	0.26 U	0.26 U	0.52 U	0.52 U	2 U	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	1 U	1 U	25 U	1 U	100 U	40 U	20 U	1 U	10 U	1 U	10 U	10 U	0.21 U	0.21 U	0.21 U	0.42 U	0.42 U	2 U	0.21 U
Total VOCs (minus Carbon Disulfide)		137.0	179.0	754.0	198.0	543.0	671.0	400.0	238.0	267.0	170.0	192.0	341.0	991.0	5,510.0	1,160.0	1,000.0	622.4	1,207.3	1,141.2	679.0	2,206.1	1,581.8	1,451.1	981.3	235.9	213.4	156.0	105.8
Percent change			31%	450%	45%	296%	390%	192%	74%	95%	24%	40%	149%	623%	3922%	747%	630%	354%	781%	733%	396%	1510%	1055%	959%	616%	72%	56%	14%	-23%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and April 1998.

WELL NUMBER EW-4
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-15	Oct-15	Apr-16	Oct-16	Apr-17	Nov-17	Apr-18	Oct-18
CHLOROMETHANE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	57	56	34	50	54	36	42	63
CHLOROETHANE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ACETONE	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON DISULFIDE	60	0.53	2.4	1.0 U	0.61	0.30	1.0 U	1.0 U	1.9
METHYLENE CHLORIDE	5*	1.0 U	1.0 U	0.91	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	1.1	1.3	1.3	1.9	1.8	0.88	0.86	1.7
1 1-DICHLOROETHANE	5*	1.1	1.1	0.91	1.6	1.9	1.0	1.3	1.9
CIS-1 2-DICHLOROETHENE	5*	27	34	25	39	69	32	25	34
METHYL ETHYL KETONE	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	0.85	1.1	0.88	0.93	1.1	0.81	0.52	0.93
CARBON TETRACHLORIDE	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BENZENE	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	0.41	0.77	0.57	0.71	0.85	0.42	0.41	0.72
1 2-DICHLOROPROPANE	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		87	94	64	94	129	71	70	102
Percent change		-36%	-31%	-54%	-31%	-6%	-48%	-49%	-25%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and April 1998.

WELL NUMBER EW-5
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Jan-96	Oct-96	Oct-97	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Apr-04	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Apr-14	Oct-14
CHLOROMETHANE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.35 U	0.35 U	0.35 U	1.8 U	1.8 U	5 U	1.8 U
VINYL CHLORIDE	2	153	85	157	250 U	45	66	83	46	48	42	48	40	130	210	230	260	260	330	270	38	280	300	220	240	150	81	430	430
CHLOROETHANE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	100 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.32 U	0.32 U	0.32 U	1.6 U	1.6 U	5 U	1.6 U
BROMOMETHANE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.28 U	0.69 U	0.69 U	3.5 U	3.5 U	5 U	3.5 U
1 1-DICHLOROETHENE	5*	26	10	25 U	250 U	25 U	25 U	25 U	5 U	5 U	2	1	5 U	1 U	50 U	40 U	20 U	2.6	2.8	4	4 U	4 U	2.6	1.9	2.6	1.5 U	1.5 U	1.5	1.5 U
ACETONE	50	50 U	50 U	250 U	2500 U	250 U	250 U	125 U	25 U	25 U	10 U	10 U	25 U	10 U	500 U	200 U	100 U	5 U	5 U	5 U	20 U	20 U	1.3 U	3.0 U	3 U	15 U	15 U	25 U	15 U
CARBON DISULFIDE	60	5 U	5 U	797	250 U	25 U	25 U	25 U	5 U	5 U	1 U	4	5 U	8	50 U	11	20 U	1 U	0.77	1 U	4 U	3.7	0.19 U	0.19 U	0.19 U	0.95 U	0.95 U	5 U	0.95 U
METHYLENE CHLORIDE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.44 U	0.44 U	0.44 U	2.2 U	2.2 U	5 U	2.2 U
TRANS-1 2-DICHLOROETHENE	5*	7	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1	1 U	5 U	1 U	50 U	40 U	20 U	3.1	5.2	6.2	4 U	6.6	7	6.0	7.3	4.5 U	4.5 U	5 U	4.5 U
1 1-DICHLOROETHANE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1.6	1.9	2.8	4 U	4 U	3	2.6	4.2	2.1	1.9 U	5.4	4.5
CIS-1 2-DICHLOROETHENE	5*	655	315	1,410	724	591	674	270	120	110	83	79	78	250	1,100	880	940	710	840	1,200	270	1,400	1100	590	800	200	390	470	400
METHYL ETHYL KETONE	50	50 U	50 U	250 U	2500 U	250 U	250 U	125 U	73	25 U	10 U	10 U	25 U	10 U	500 U	200 U	100 U	5 U	5 U	5 U	20 U	20 U	1.3 U	1.3 U	1.3 U	6.6 U	6.6 U	25 U	6.6 U
CHLOROFORM	7	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	0.41	0.43	0.56	4 U	4 U	0.53	0.6	0.67	1.7 U	1.7 U	5 U	1.7 U
1 1 1-TRICHLOROETHANE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	2.8	2.9	5.2	4 U	5.6	5.4	4.7	14	4.4	4.1 U	4.3	4.2
CARBON TETRACHLORIDE	5	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	14	150 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.27 U	0.27 U	0.27 U	1.4 U	1.4 U	5 U	1.4 U
BENZENE	1	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	0.7 U	0.7 U	0.7 U	0.7 U	35 U	200 U	20 U	1 U	1 U	1 U	4 U	4 U	0.41 U	0.41 U	0.41 U	2.1 U	2.1 U	5 U	2.1 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.21 U	0.21 U	0.21 U	1.1 U	1.1 U	5 U	1.1 U
TRICHLOROETHENE	5*	5 U	5 U	59	250 U	25 U	25 U	25 U	5 U	5 U	1	1 U	5 U	5	100 U	40 U	20 U	3	3.7	6.5	4 U	5.1	5.6	2.5	3.0	2.3 U	2.3 U	5 U	2.3 U
1 2-DICHLOROPROPANE	1	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.32 U	0.72 U	0.72 U	3.6 U	3.6 U	5 U	3.6 U
BROMODICHLOROMETHANE	50	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.39 U	0.39 U	0.39 U	2.0 U	2.0 U	5 U	2.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.36 U	0.36 U	0.36 U	1.8 U	1.8 U	5 U	1.8 U
MIBK	No Given Value	50 U	50 U	250 U	2500 U	250 U	250 U	125 U	10 U	10 U	10 U	10 U	10 U	10 U	500 U	200 U	100 U	5 U	5 U	5 U	20 U	20 U	0.91 U	2.1 U	2.1 U	11 U	11 U	25 U	11 U
TOLUENE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.51 U	0.51 U	0.51 U	2.6 U	2.6 U	5 U	2.6 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.37 U	0.37 U	0.37 U	1.9 U	1.9 U	5 U	1.9 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.23 U	0.23 U	0.23 U	1.2 U	1.2 U	5 U	1.2 U
TETRACHLOROETHENE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.36 U	0.36 U	0.36 U	1.8 U	1.8 U	5 U	1.8 U
2-HEXANONE	50	50 U	50 U	250 U	2500 U	250 U	250 U	125 U	10 U	10 U	10 U	10 U	10 U	10 U	500 U	200 U	100 U	5 U	5 U	5 U	20 U	20 U	1.2 U	1.2 U	1.2 U	6.2 U	6.2 U	25 U	6.2 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.32 U	0.32 U	0.32 U	1.6 U	1.6 U	5 U	1.6 U
CHLOROBENZENE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.32 U	0.75 U	0.75 U	3.8 U	3.8 U	5 U	3.8 U
ETHYLBENZENE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.18 U	0.74 U	0.74 U	3.7 U	3.7 U	5 U	3.7 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	120 U	60 U	3 U	2 U	2 U	12 U	12 U	0.66 U	0.66 U	0.66 U	3.3 U	3.3 U	10 U	3.3 U
O-XYLENE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.36 U	0.76 U	0.76 U	3.8 U	3.8 U	5 U	3.8 U
STYRENE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.18 U	0.73 U	0.73 U	3.7 U	3.7 U	5 U	3.7 U
BROMOFORM	50	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.26 U	0.26 U	0.26 U	1.3 U	1.3 U	5 U	1.3 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	25 U	250 U	25 U	25 U	25 U	5 U	5 U	1 U	1 U	5 U	1 U	50 U	40 U	20 U	1 U	1 U	1 U	4 U	4 U	0.21 U	0.21 U	0.21 U	1.1 U	1.1 U	5 U	1.1 U
Total VOCs (minus Carbon Disulfide)		841.0	410.0	1,626.0	724.0	636.0	740.0	353.0	239.0	158.0	129.0	128.0	118.0	399.0	1,310.0	1,110.0	1,200.0	983.5	1,186.9	1,495.3	308.0	1,697.3	1,424.1	828.3	1,071.8	356.5	471.0	911.2	838.7
Percent change			-51%	93%	-14%	-24%	-12%	-58%	-72%	-81%	-85%	-85%	-86%	-53%	56%	32%	43%	17%	41%	78%	-63%	102%	69%	-2%	27%	-58%	-44%	8%	0%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and April 1998.

WELL NUMBER EW-5
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	May-15	Jun-15	Oct-15	Apr-16	Oct-16	Apr-17	Nov-17	Apr-18	Oct-18
CHLOROMETHANE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	1,000	500	230	150	210	170	150	170	72
CHLOROETHANE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	10 U	5 U	2 U	0.8	2.0	2.0 U	0.74	1.0 U	1.0 U
ACETONE	50	50 U	50 U	10 U	5 U	5.8	6.3	5.0 U	2.2	5.0 U
CARBON DISULFIDE	60	10 U	5 U	6.4	4.3	0.31	0.6	0.41	0.31	1.1
METHYLENE CHLORIDE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	10	4.3	2.8	3	4.1	3.2	1.7	1.4	0.99 J
1 1-DICHLOROETHANE	5*	10	5.2	2.6	2.4	10	2.3	2.5	2.4	2.0
CIS-1 2-DICHLOROETHENE	5*	1,600	450	140	85	530	78	220	62	19
METHYL ETHYL KETONE	50	50 U	25 U	10 U	5 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	6.5	2.8	2 U	1 U	0.53	2.0 U	1.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	11	4.2	1.5	1.1	15	0.96	2.9	2.1	1.1
CARBON TETRACHLORIDE	5	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
BENZENE	1	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	5.6	2.4	1.2	0.96	4.9	1.1	1.5	1.6	0.62 J
1 2-DICHLOROPROPANE	1	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	50 U	25 U	10 U	5 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	50 U	25 U	10 U	5 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	20 U	10 U	4 U	2 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		2,643	969	378	243	782	262	379	242	94
Percent change		214%	15%	-55%	-71%	-7%	-69%	-55%	-71%	-89%

This well was not sampled on the following dates: April and October 1994; April, July and October 1995; April and July 1996; January, April and July 1997; and April 1998.

WELL NUMBER EW-6
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jan-95	Feb-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Apr-03	Oct-03	Apr-04	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09
CHLOROMETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.35 U
VINYL CHLORIDE	2	24	24	51	24	25	32	52	34	15	15	48	10	10	25	11	11	38	1 U	1 U	27	2 U	5 U	1 U	5 U	1 U	1 U	3	240
CHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.32 U
BROMOMETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.28 U
1 1-DICHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	3.1
ACETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U	25 U	5 U	25 U	5 U	5 U	5 U	1.3 U
CARBON DISULFIDE	60	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.7	0.5 U	0.5 U	1	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	0.39	0.19 U
METHYLENE CHLORIDE	5*	5 U	5 U	5 U	5 U	14	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	2 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.44 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	0.86	5.9
1 1-DICHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	0.54	5 U	1 U	1 U	1 U	5.4
CIS-1 2-DICHLOROETHENE	5*	119	113	508	136	204	235	140	115	69	59	470	35	34	63	33	32	33	71	4	120	71	170	110	26	6.2	19	240	1,900
METHYL ETHYL KETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U	25 U	5 U	25 U	5 U	5 U	5 U	1.3 U
CHLOROFORM	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.34 U
1 1 1-TRICHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1.5	7.4
CARBON TETRACHLORIDE	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.27 U
BENZENE	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.41 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.21 U
TRICHLOROETHENE	5*	5 U	5 U	6	7	5 U	5 U	5 U	12	5 U	5 U	22	0.7	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	0.72	5 U	0.65	5 U	1.7	1 U	4.6	11
1 2-DICHLOROPROPANE	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.33 U
BROMODICHLOROMETHANE	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.39 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.36 U
MIBK	No Given Value	50 U	50 U	50 U	50 U	50 U	50 U	25 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	10 U	10 U	25 U	5 U	25 U	5 U	5 U	5 U	0.91 U
TOLUENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.51 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.37 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.23 U
TETRACHLOROETHENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.36 U
2-HEXANONE	50	50 U	50 U	50 U	50 U	50 U	50 U	25 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	10 U	10 U	25 U	5 U	25 U	5 U	5 U	5 U	1.2 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.32 U
CHLOROBENZENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.32 U
ETHYLBENZENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.18 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	6 U	15 U	3 U	10 U	2 U	2 U	2 U	0.66 U
O-XYLENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.36 U
STYRENE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.18 U
BROMOFORM	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.26 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	2 U	5 U	1 U	5 U	1 U	1 U	1 U	0.21 U
Total VOCs (minus Carbon Disulfide)		143.0	137.0	565.0	167.0	243.0	267.0	192.0	161.0	84.0	74.0	546.0	45.7	44.0	88.0	44.0	43.0	71.0	71.0	4.0	147.0	71.7	170.0	111.2	26.0	7.9	19.0	250.0	2,172.8
Percent change			-4%	295%	17%	70%	87%	34%	13%	-41%	-48%	282%	-68%	-69%	-38%	-69%	-70%	-50%	-50%	-97%	3%	-50%	19%	-22%	-82%	-94%	-87%	75%	1419%

This well was not sampled on the following dates: April and October 1994; April, July, and October 1995.

WELL NUMBER EW-6
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Jul-10	Oct-10	Oct-11	Nov-12	Oct-13	Apr-14	Oct-14	May-15	Jun-15	Oct-15	Apr-16	Oct-16	Apr-17	Nov-17	Apr-18	Oct-18
CHLOROMETHANE	5*	1 U	0.35 U	0.35 U	0.35 U	0.35 U	1 U	0.35 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33
VINYL CHLORIDE	2	26	18	24	0.90 U	0.9 U	19	44	1.2	0.44	0.65	0.34	0.48	1.0 U	10	37	1.0 U
CHLOROETHANE	5*	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	0.32 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	1 U	0.69 U	0.69 U	0.69 U	0.69 U	1 U	0.69 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	1 U	0.29 U	0.29 U	0.29 U	0.29 U	1 U	0.29 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ACETONE	50	1 U	3.0 U	3 U	3.0 U	3.0 U	5 U	3.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.4	5.0 U	5.0 U	5.0 U
CARBON DISULFIDE	60	1 U	0.19 U	0.19 U	0.19 U	0.19 U	1 U	0.19 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.47
METHYLENE CHLORIDE	5*	1 U	0.44 U	0.44 U	0.44 U	0.44 U	1 U	0.44 U	1.0 U	1.0 U	1.0 U	0.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	1 U	0.90 U	0.9 U	0.90 U	0.90 U	1 U	0.90 U	0.48	0.46	1.6	1.2	1.6	0.64	1.8	1.0 U	1.0 U
1 1-DICHLOROETHANE	5*	1 U	0.38 U	0.41	0.38 U	0.38 U	1 U	0.80	0.40	0.39	3.6	2.2	3.6	0.89	2.9	0.61	0.55
CIS-1 2-DICHLOROETHENE	5*	41	21	37	8.9	8.9	18	77	26	12	19	10	69	36	170	29	2.1
METHYL ETHYL KETONE	50	1 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	1.3 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	7	1 U	0.34 U	0.34 U	0.34 U	0.34 U	1 U	0.34 U	1.0 U	1.0 U	0.68	1.0 U	1.0 U	1.0 U	0.64	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	1 U	0.82 U	0.82 U	0.82 U	0.82 U	1 U	0.82 U	1.0 U	1.0 U	3.5	2.8	1.6	0.87	3.3	1.0 U	0.39
CARBON TETRACHLORIDE	5	1 U	0.27 U	0.27 U	0.27 U	0.27 U	1 U	0.27 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BENZENE	1	1 U	0.41 U	0.41 U	0.41 U	0.41 U	1 U	0.41 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	1 U	0.21 U	0.21 U	0.21 U	0.21 U	1 U	0.21 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	1 U	0.46 U	0.46 U	0.46 U	0.46 U	1 U	0.46 U	1.0 U	0.25	1.3	0.7	1.1	0.61	2.4	0.49	0.42
1 2-DICHLOROPROPANE	1	1 U	0.72 U	0.72 U	0.72 U	0.72 U	1 U	0.72 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	1 U	0.39 U	0.39 U	0.39 U	0.39 U	1 U	0.39 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1 U	0.36 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MIBK	No Given Value	1 U	2.1 U	2.1 U	2.1 U	2.1 U	5 U	2.1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	1 U	0.51 U	0.51 U	0.51 U	0.51 U	1 U	0.51 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	1 U	0.37 U	0.37 U	0.37 U	0.37 U	1 U	0.37 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	1 U	0.23 U	0.23 U	0.23 U	0.23 U	1 U	0.23 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	1 U	0.36 U	0.36 U	0.36 U	0.36 U	1 U	0.36 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-HEXANONE	50	1 U	1.2 U	1.2 U	1.2 U	1.2 U	5 U	1.2 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	1 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	0.32 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	1 U	0.75 U	0.75 U	0.75 U	0.75 U	1 U	0.75 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	1 U	0.74 U	0.74 U	0.74 U	0.74 U	1 U	0.74 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	1 U	0.66 U	0.66 U	0.66 U	0.66 U	2 U	0.66 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
O-XYLENE	5*	1 U	0.76 U	0.76 U	0.76 U	0.76 U	1 U	0.76 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	1 U	0.73 U	0.73 U	0.73 U	0.73 U	1 U	0.73 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BROMOFORM	50	1 U	0.26 U	0.26 U	0.26 U	0.26 U	1 U	0.26U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	1 U	0.21 U	0.21 U	0.21 U	0.21 U	1 U	0.21 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		67	39	61	9	9	37	122	28	14	30	18	77	40	191	67	3.79
Percent change		-53%	-73%	-57%	-94%	-94%	-74%	-15%	-80%	-91%	-79%	-87%	-46%	-72%	34%	-53%	-97%

This well was not sampled on the following dates: April and October 1994; April, July, and October 1995.

WELL NUMBER EW-7
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-94	Jul-94	Nov-94	Jan-95	Apr-95	Jul-95	Oct-95	Jan-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08
CHLOROMETHANE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
VINYL CHLORIDE	2	76	446	437	403	453	690	990	990	590	510	520	520	680	600	650	500	3,600	480	170	1,300	1,500	1,200	990	890	780	1,000	2 U
CHLOROETHANE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	40 U	200 U	100 U	2.1	1 U	50 U	2 U
BROMOMETHANE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
1 1-DICHLOROETHENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	7	20 U	200 U	100 U	11	10	50 U	2 U
ACETONE	50	500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	1,250 U	1,250 U	1,250 U	1,250 U	1,200 U	1,200 U	1,200 U	500 U	1,200 U	500 U	1,300 U	200 U	1,300 U	10 U	200 U	1,000 U	500 U	5 U	5 U	250 U	10 U
CARBON DISULFIDE	60	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
METHYLENE CHLORIDE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	68	250 U	100 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	12	12	50 U	2 U
TRANS-1 2-DICHLOROETHENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	23	20 U	200 U	100 U	13	8.6	50 U	2 U
1 1-DICHLOROETHANE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25	250 U	50 U	250 U	20 U	250 U	25	110	200 U	100 U	32	29	50 U	2.6
CIS-1 2-DICHLOROETHENE	5*	860	4,990	2,720	2,020	2,680	7,610	5,500	8,100	4,800	6,700	5,200	4,700	4,900	4,500	4,300	2,800	2,700	20 U	3,400	1,700	1,100	4,100	3,700	2,900	2,700	3,200	150
METHYL ETHYL KETONE	50	500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	1,250 U	1,250 U	1,250 U	1,250 U	1,200 U	1,200 U	1,200 U	500 U	1,200 U	500 U	1,300 U	1,600	1,300 U	10 U	200 U	1,000 U	500 U	5 U	5 U	250 U	10 U
CHLOROFORM	7	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	200 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
1 1 1-TRICHLOROETHANE	5*	50 U	50 U	88	100 U	100 U	106	125 U	250 U	250 U	250 U	250 U	250 U	250 U	51	250 U	50 U	250 U	20 U	250 U	17	240	100	80	82	68	50 U	1.4
CARBON TETRACHLORIDE	5	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	18	60 U	200 U	100 U	1 U	1 U	50 U	2 U
BENZENE	1	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	35 U	250 U	14 U	35 U	0.7 U	14 U	200 U	100 U	1 U	1 U	250 U	2 U
1 2-DICHLOROETHANE	0.6	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
TRICHLOROETHENE	5*	50 U	50 U	63	106	100 U	1,140	502	560	320	870	250 U	250 U	250 U	150	250 U	88	250 U	26	250 U	10	40 U	200 U	100 U	22	20	50 U	2 U
1 2-DICHLOROPROPANE	1	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
BROMODICHLOROMETHANE	50	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
CIS-1 3-DICHLOROPROPENE	0.4**	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
MIBK	No Given Value	500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	1,250 U	1,250 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	200 U	500 U	10 U	200 U	1,000 U	500 U	5 U	5 U	250 U	10 U
TOLUENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	0.54	0.58	50 U	2 U
TRANS-1 3-DICHLOROPROPENE	0.4**	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
1 1 2-TRICHLOROETHANE	1	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
TETRACHLOROETHENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
2-HEXANONE	50	500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	1,250 U	1,250 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	20 U	500 U	10 U	200 U	1,000 U	500 U	5 U	5 U	250 U	10 U
DIBROMOCHLOROMETHANE	50	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	200 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
CHLOROBENZENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
ETHYLBENZENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
P-XYLENE/M-XYLENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	600 U	300 U	2 U	2 U	150 U	6 U
O-XYLENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
STYRENE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
BROMOFORM	50	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
1 1 2 2-TETRACHLOROETHANE	5*	50 U	50 U	50 U	100 U	100 U	100 U	125 U	250 U	250 U	250 U	250 U	250 U	250 U	25 U	250 U	50 U	250 U	20 U	250 U	1 U	20 U	200 U	100 U	1 U	1 U	50 U	2 U
Total VOCs (minus Carbon Disulfide)		936.0	5,436.0	3,308.0	2,529.0	3,133.0	9,546.0	6,992.0	9,650.0	5,710.0	8,080.0	5,720.0	5,220.0	5,580.0	5,394.0	4,950.0	3,388.0	6,300.0	2,106.0	3,570.0	3,100.0	2,950.0	5,400.0	4,770.0	3,964.6	3,628.2	4,200.0	154.0
Percent change			481%	253%	170%	235%	920%	647%	931%	510%	763%	511%	458%	496%	476%	429%	262%	573%	125%	281%	231%	215%	477%	410%	324%	288%	349%	-84%

This well was not sampled on the following dates: April, July and October 1993; January 1994.

WELL NUMBER EW-7
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Oct-18
CHLOROMETHANE	5*	0.35 U	0.35 U	0.35 U	7.0 U	3.5 U	3.5 U	1 U	5.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	37	970	810	610	700	640	470	490	35	1.0 U
CHLOROETHANE	5*	0.32 U	0.32 U	0.4	6.4 U	3.2 U	3.2 U	1 U	5.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.28 U	0.69 U	0.69 U	14 U	6.9 U	6.9 U	1 U	5.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	0.29 U	6.2	4.7	5.8 U	2.9 U	4.9	2.6	5.0 U	1.0 U	1.0 U
ACETONE	50	1.3 U	3.0 U	3 U	60 U	30 U	30 U	5 U	25 U	5.0 U	5.0 U
CARBON DISULFIDE	60	0.19 U	0.19 U	0.19 U	3.8 U	1.9 U	1.9 U	2.3	1.5	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	0.44 U	3.1	1.6	8.8 U	4.4 U	4.4 U	8.6	16	1.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	1.3	6.9	5.7	18 U	9.0 U	9.0 U	3.8	4.0	0.36	1.0 U
1 1-DICHLOROETHANE	5*	6.7	12	15	29	43	32	27	23	4.4	1.0 U
CIS-1 2-DICHLOROETHENE	5*	89	2,300	1,400	1,500	250	910	610	690	20	1.0 U
METHYL ETHYL KETONE	50	1.3 U	1.3 U	1.3 U	26 U	13 U	13 U	5 U	25 U	5.0 U	5.0 U
CHLOROFORM	7	0.34 U	0.34 U	0.34 U	6.8 U	3.4 U	3.4 U	1 U	5.0 U	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	6.5	19	28	63	85	76	52	51	5	1.0 U
CARBON TETRACHLORIDE	5	0.27 U	0.27 U	0.27 U	5.4 U	2.7 U	U	1 U	5.0 U	1.0 U	1.0 U
BENZENE	1	0.41 U	0.41 U	0.41 U	8.2 U	4.1 U	4.1 U	1 U	5.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	0.21 U	0.21 U	4.2 U	2.1 U	2.1 U	1 U	5.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	0.87	14	12	15	4.6 U	6.6	8.2	6.4	0.94	1.0 U
1 2-DICHLOROPROPANE	1	0.32 U	0.72 U	0.72 U	14 U	7.2 U	7.2 U	1 U	5.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.39 U	0.39 U	0.39 U	7.8 U	3.9 U	3.9 U	1 U	5.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	0.36 U	0.36 U	7.2 U	3.6 U	3.6 U	1 U	5.0 U	1.0 U	1.0 U
MIBK	No Given Value	0.91 U	2.1 U	2.1 U	42 U	21 U	21 U	5 U	25 U	5.0 U	5.0 U
TOLUENE	5*	0.51 U	0.51 U	0.51 U	10 U	5.1 U	5.1 U	1 U	5.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	0.37 U	0.37 U	7.4 U	3.7 U	3.7 U	1 U	5.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	0.23 U	0.23 U	4.6 U	2.3 U	2.3 U	1 U	5.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 U	0.36 U	0.36 U	7.2 U	3.6 U	3.6 U	1 U	5.0 U	1.0 U	1.0 U
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	25 U	12 U	12 U	5 U	25 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.32 U	0.32 U	0.32 U	6.4 U	3.2 U	3.2 U	1 U	5.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.32 U	0.75 U	0.75 U	15 U	7.5 U	7.5 U	1 U	5.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.18 U	0.74 U	0.74 U	15 U	7.4 U	7.4 U	0.2	5.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	0.66 U	0.66 U	13 U	6.6 U	6.6 U	2 U	10 U	2.0 U	2.0 U
O-XYLENE	5*	0.36 U	0.76 U	0.76 U	15 U	7.6 U	7.6 U	0.24	5.0 U	1.0 U	1.0 U
STYRENE	5*	0.18 U	0.73 U	0.73 U	15 U	7.3 U	7.3 U	1 U	5.0 U	1.0 U	1.0 U
BROMOFORM	50	0.26 U	0.26 U	0.26 U	5.2 U	2.6 U	2.6 U	1 U	5.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	0.21 U	0.21 U	4.2 U	2.1 U	2.1 U	1 U	5.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		141	3,331	2,277	2,217	1,078	1,670	1,183	1,280	66	0
Percent change		-85%	256%	143%	137%	15%	78%	26%	37%	-93%	-100%

This well was not sampled on the following dates: April, July and October 1993; January 1994.

WELL NUMBER EW-8
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Apr-94	Jul-94	Nov-94	Jan-95	Apr-95	Jul-95	Oct-95	Jan-96	Apr-96	Jul-96	Oct-96	Jan-97	Apr-97	Jul-97	Oct-97	Apr-98	Oct-98	Oct-99	Oct-00	Oct-01	Oct-02	Oct-03	Oct-04	Oct-06	Oct-07	Oct-08
CHLOROMETHANE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
VINYL CHLORIDE	2	5 U	12	19	147	500 U	500 U	50 U	460	250 U	130	160	160	190	150	250 U	110	210	200	440	110	200 U	130	300	23	350	330
CHLOROETHANE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	400 U	100 U	100 U	1 U	1 U	50 U
BROMOMETHANE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
1 1-DICHLOROETHENE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	26	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	3	200 U	100 U	100 U	1.2	9.6	50 U
ACETONE	50	50 U	50 U	50 U	500 U	5,000 U	5,000 U	500 U	125 U	1,250 U	625 U	620 U	620 U	620 U	250 U	1,200 U	500 U	1,300 U	1,300 U	1,300 U	10 U	2,000 U	500 U	500 U	5 U	3	250 U
CARBON DISULFIDE	60	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
METHYLENE CHLORIDE	5*	5 U	5 U	120	2,170	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	28	250 U	100 U	250 U	250 U	250 U	1 U	200 U	64	100 U	1 U	1 U	50 U
TRANS-1 2-DICHLOROETHENE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	120	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	10	200 U	100 U	100 U	1.8	13	50 U
1 1-DICHLOROETHANE	5*	5 U	6	6	50 U	500 U	500 U	50 U	34	250 U	125 U	120 U	120 U	120 U	16	250 U	50 U	250 U	250 U	250 U	8	200 U	100 U	100 U	3.6	19	50 U
CIS-1 2-DICHLOROETHENE	5*	5 U	1,330	452	8,540	8,670	5,900	620	7,900	2,200	2,900	2,000	3,200	2,900	4,100	3,300	1,300	2,500	2,500	1,800	940	3,300	2,700	3,000	420	3,600	2,800
METHYL ETHYL KETONE	50	50 U	50 U	50 U	500 U	5,000 U	5,000 U	500 U	125 U	1,250 U	640	620 U	620 U	620 U	250 U	1,200 U	500 U	1,300 U	1,300 U	1,300 U	10 U	2,000 U	500 U	500 U	5 U	5 U	250 U
CHLOROFORM	7	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	2	200 U	100 U	100 U	0.85	1.7	50 U
1 1 1-TRICHLOROETHANE	5*	5 U	5 U	48	248	500 U	500 U	50 U	180	250 U	125 U	120 U	120 U	130	50	250 U	50 U	250 U	250 U	250 U	25	200 U	73	62	17	56	52
CARBON TETRACHLORIDE	5	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	19	600 U	100 U	100 U	1 U	1 U	50 U
BENZENE	1	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	35 U	250 U	35 U	35 U	0.7 U	140 U	100 U	100 U	1 U	1 U	250 U
1 2-DICHLOROETHANE	0.6	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
TRICHLOROETHENE	5*	5 U	778	302	3,260	5,470	3,780	55	2,200	2,300	1,400	950	2,600	1,300	2,400	370	430	690	360	250 U	31	440	380	59	42	34	44
1 2-DICHLOROPROPANE	1	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
BROMODICHLOROMETHANE	50	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
CIS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
MIBK	No Given Value	50 U	50 U	50 U	500 U	5,000 U	5,000 U	500 U	125 U	500 U	250 U	250 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	2,000 U	500 U	500 U	5 U	5 U	250 U
TOLUENE	5*	5 U	5 U	6	50 U	535	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
1 1 2-TRICHLOROETHANE	1	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
TETRACHLOROETHENE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
2-HEXANONE	50	50 U	50 U	50 U	500 U	5,000 U	5,000 U	500 U	125 U	500 U	250 U	250 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	2,000 U	500 U	500 U	5 U	5 U	250 U
DIBROMOCHLOROMETHANE	50	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
CHLOROBENZENE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
ETHYLBENZENE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	320	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
P-XYLENE/M-XYLENE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	990	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	300 U	300 U	2 U	2 U	150 U
O-XYLENE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	220	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
STYRENE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
BROMOFORM	50	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	12 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
1 1 2 2-TETRACHLOROETHANE	5*	5 U	5 U	5 U	50 U	500 U	500 U	50 U	25 U	250 U	125 U	120 U	120 U	120 U	25 U	250 U	50 U	250 U	250 U	250 U	1 U	200 U	100 U	100 U	1 U	1 U	50 U
Total VOCs (minus Carbon Disulfide)		0.0	2,126.0	953.0	14,365.0	14,675.0	9,680.0	675.0	10,920.0	4,500.0	5,070.0	3,110.0	5,960.0	6,050.0	6,744.0	3,670.0	1,840.0	3,400.0	3,060.0	2,240.0	1,148.0	3,740.0	3,347.0	3,421.0	509.5	4,086.3	3,226.0
Percent change				-55%	576%	590%	355%	-68%	414%	112%	138%	46%	180%	185%	217%	73%	-13%	60%	44%	5%	-46%	76%	57%	61%	-76%	92%	52%

This well was not sampled on the following dates: April, July and October 1993; January 1994; October 2005.

WELL NUMBER EW-8
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-09	Oct-10	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Oct-18
CHLOROMETHANE	5*	8.6 U	0.35 U	0.35 U	8.8 U	7.0 U	7.0 U	10 U	5.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	84	210	210	1,500	1,200	700	740	260	22	27
CHLOROETHANE	5*	8.1 U	0.32 U	0.32 U	8.0 U	6.4 U	6.4 U	10 U	5.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	7.0 U	0.69 U	0.69 U	17 U	14 U	14 U	10 U	5.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	7.3 U	9.2	14	7.3 U	5.8 U	5.8 U	8.8	3.2	1.0 U	0.36 J
ACETONE	50	34 U	3.0	3.0	75 U	60 U	60 U	50 U	25 U	5.0 U	5.0 U
CARBON DISULFIDE	60	4.8 U	0.19 U	0.19 U	4.8 U	3.8 U	3.8 U	10 U	5.0 U	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	11 U	3.5	25	11 U	8.8 U	8.8 U	10 U	5.0 U	1.0 U	9.2
TRANS-1 2-DICHLOROETHENE	5*	10 U	8.8	4.9	23 U	18 U	18 U	8.1	4.3	0.63	0.54 J
1 1-DICHLOROETHANE	5*	9.6 U	13	14	33	31	28	32	13	2.1	2.2
CIS-1 2-DICHLOROETHENE	5*	1,400	2,900	1,900	4,900	880	2,400	2,200	810	74	80
METHYL ETHYL KETONE	50	33 U	1.3 U	1.3 U	33 U	26 U	26 U	50 U	25 U	5.0 U	5.0 U
CHLOROFORM	7	8.4 U	1.4	1.2	8.5 U	6.8 U	6.8 U	10 U	2.8	1.1	1.0
1 1 1-TRICHLOROETHANE	5*	37	51	83	70	45	60	80	26	3.1	2.1
CARBON TETRACHLORIDE	5	6.7 U	0.27 U	0.27 U	6.8 U	5.4 U	5.4 U	10 U	5.0 U	1.0 U	1.0 U
BENZENE	1	10 U	0.41 U	0.41 U	10 U	8.2 U	8.2 U	10 U	5.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	5.4 U	0.21 U	0.21 U	5.3 U	4.2 U	4.2 U	10 U	5.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	74	67	62	45	9.2 U	9.2 U	23	5.5	1.8	3.1
1 2-DICHLOROPROPANE	1	8.1 U	0.72 U	0.72 U	18 U	14 U	14 U	10 U	5.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	9.6 U	0.39 U	0.39 U	9.8 U	7.8 U	7.8 U	10 U	5.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	8.9 U	0.36 U	0.36 U	9.0 U	7.2 U	7.2 U	10 U	5.0 U	1.0 U	1.0 U
MIBK	No Given Value	23 U	2.1 U	2.1 U	53 U	42 U	42 U	50 U	25 U	5.0 U	5.0 U
TOLUENE	5*	13 U	0.51 U	0.51 U	13 U	10 U	10 U	10 U	5.0 U	1.0	1.0
TRANS-1 3-DICHLOROPROPENE	0.4**	9.2 U	0.37 U	0.37 U	9.3 U	7.4 U	7.4 U	10 U	5.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	5.8 U	0.23 U	0.23 U	5.8 U	4.6 U	4.6 U	10 U	5.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	9.1 U	0.36 U	0.36 U	9.0 U	7.2 U	7.2 U	10 U	5.0 U	1.0 U	1.0 U
2-HEXANONE	50	31 U	1.2 U	1.2 U	31 U	25 U	25 U	50 U	25 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	8.1 U	0.32 U	0.32 U	8.0 U	6.4 U	6.4 U	10 U	5.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	7.9 U	0.75 U	0.75 U	19 U	15 U	15 U	10 U	5.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	4.6 U	0.74 U	0.74 U	19 U	15 U	15 U	10 U	5.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	16 U	0.66 U	0.66 U	17 U	13 U	13 U	20 U	10 U	2.0 U	2.0 U
O-XYLENE	5*	9.0 U	0.76 U	0.76 U	19 U	15 U	15 U	10 U	5.0 U	1.0 U	1.0 U
STYRENE	5*	4.6 U	0.73 U	0.73 U	18 U	15 U	15 U	10 U	5.0 U	1.0 U	1.0 U
BROMOFORM	50	6.4 U	0.26 U	0.26 U	6.5 U	5.2 U	5.2 U	10 U	5.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	5.3 U	0.21 U	0.21 U	5.3 U	4.2 U	4.2 U	10 U	5.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		1,595	3,267	2,317	6,548	2,156	3,188	3,092	1,125	106	126
Percent change		-25%	54%	9%	208%	1%	50%	45%	-47%	-95%	-94%

This well was not sampled on the following dates: April, July and October 1993; January 1994; October 2005.

WELL NUMBER EW-13
ANALYTICAL SAMPLING RESULTS
(Concentrations in µg/L)

ANALYTE	Groundwater Protection Standard (µg/L)	Oct-11	Nov-12	Oct-13	Oct-14	Oct-15	Oct-16	Nov-17	Oct-18
CHLOROMETHANE	5*	0.35 U	14 U	0.35 U	7.0 U	5 U	5.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	690	710	17	610	570	550	160	160
CHLOROETHANE	5*	0.32 U	13 U	0.32 U	6.4 U	5 U	5.0 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.69 U	28 U	0.69 U	14 U	5 U	5.0 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	10	12 U	0.29 U	6.6	5 U	3.2	0.94	0.50 J
ACETONE	50	3.0 U	120 U	3.0 U	60 U	25 U	25 U	5.0 U	2.1 J
CARBON DISULFIDE	60	0.69	7.6 U	0.19 U	3.8 U	5.5	5.0 U	0.37	0.41 J
METHYLENE CHLORIDE	5*	0.44 U	18 U	0.44 U	8.8 U	5 U	5.0 U	1.6	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	6.3	36 U	0.90 U	18 U	4.3	4.6	1.4	1.2
1 1-DICHLOROETHANE	5*	23	49	0.98	36	31	28	8.4	8.1
CIS-1 2-DICHLOROETHENE	5*	2,100	1,600	23	840	520	650	160	56
METHYL ETHYL KETONE	50	1.3 U	53 U	1.3 U	26 U	25 U	25 U	5.0 U	5.0 U
CHLOROFORM	7	0.42	14 U	0.34 U	6.8 U	5 U	2.4	1.0 U	1.0 U
1 1 1-TRICHLOROETHANE	5*	96	180	2.5	120	98	66	25	18
CARBON TETRACHLORIDE	5	0.27 U	11 U	0.27 U	5.4 U	5 U	5.0 U	1.0 U	1.0 U
BENZENE	1	0.41 U	16 U	0.41 U	8.2 U	5 U	5.0 U	1.0 U	1.0 U
1 2-DICHLOROETHANE	0.6	0.21 U	8.4 U	0.21 U	4.2 U	5 U	5.0 U	1.0 U	1.0 U
TRICHLOROETHENE	5*	23	26	0.46 U	9.2 U	3.2	4.5	1.2	1.3
1 2-DICHLOROPROPANE	1	0.72 U	29 U	0.72 U	14 U	5 U	5.0 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.39 U	16 U	0.39 U	7.8 U	5 U	5.0 U	1.0 U	1.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	0.36 U	14 U	0.36 U	7.2 U	5 U	5.0 U	1.0 U	1.0 U
MIBK	No Given Value	2.1 U	84 U	2.1 U	42 U	25 U	25 U	5.0 U	5.0 U
TOLUENE	5*	0.87	20 U	0.51 U	10 U	5 U	5.0 U	1.0 U	1.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	0.37 U	15 U	0.37 U	7.4 U	5 U	5.0 U	1.0 U	1.0 U
1 1 2-TRICHLOROETHANE	1	0.23 U	9.2 U	0.23 U	4.6 U	5 U	5.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 U	14 U	0.36 U	7.2 U	5 U	5.0 U	1.0 U	1.0 U
2-HEXANONE	50	1.2 U	50 U	1.2 U	25 U	25 U	25 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.32 U	13 U	0.32 U	6.4 U	5 U	5.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.75 U	30 U	0.75 U	15 U	5 U	5.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.74 U	30 U	0.74 U	15 U	5 U	5.0 U	1.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	26 U	0.66 U	13 U	15 U	10 U	2.0 U	2.0 U
O-XYLENE	5*	0.76 U	30 U	0.76 U	15 U	5 U	5.0 U	1.0 U	1.0 U
STYRENE	5*	0.73 U	29 U	0.73 U	15 U	5 U	5.0 U	1.0 U	1.0 U
BROMOFORM	50	0.26 U	10 U	0.26 U	5.2 U	5 U	5.0 U	1.0 U	1.0 U
1 1 2 2-TETRACHLOROETHANE	5*	0.21 U	8.4 U	0.21 U	4.2 U	5 U	5.0 U	1.0 U	1.0 U
Total VOCs (minus Carbon Disulfide)		2,949.6	2,565.0	43.5	1,606.0	1,226.5	1,308.7	358.5	244.6
Percent change			-13%	-99%	-46%	-58%	-56%	-88%	-92%

This well was added to the sampling program in 2011.

Appendix H

Data Validation Checklist

	DATA VALIDATION CHECKLIST		Checklist DV-VOC
			Revision Rev 0.0
	Project Name: Textron Wheatfield		
	Prepared by/Date D.Dill 01/10/2019	Approved by/ Date:	

PROJECT INFORMATION

Project/Site	Textron Wheatfield
Location:	
Project Number	621236330
Laboratory	ALS Environmental

VOLATILE ORGANICS - VOC

Method:	SW846 - 8260C
Prep:	SW5030C
SDG #	R1810578 & R1810579

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
☒ Level II (QC only)
☐ Level III (QC+Calibrations)
☐ Level IV (Full validation)

Samples:

BAT-87-02(1)-	BAT-87-02(3)-	BAT-97-01(1)-	BAT-EW-6-	BAT-93-03(1)-
BAT-EW-5-	BAT-EW-4-	BAT-EW-3-	BAT-EW-2-	BAT-DUP-1-
BAT-87-20(0)-	BAT-87-20(1)-	BAT-89-04(1)-	BAT-87-22(1)-	BAT-87-19(1)-
BAT-87-21(1)-	BAT-89-14(1)-	BAT-89-14(0)-	BAT-B-14(1)-	BAT-EW-7-
BAT-EW-13-	BAT-EW-8-	BAT-DW-12-	BAT-DW-11-	BAT-87-10(0)-
BAT-89-15(1)-	BAT-DW-10-	BAT-87-13(3)-	BAT-87-14-(C	BAT-87-08(1)-
BAT-DUP-2-	BAT-DW-9-	BAT-B-8(0)-	BAT-98-17(1)-	Trip Blank 1
Trip Blank 2				

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

YES

.

Field Duplicates	YES

YES

YES

.

Surrogate Recoveries	YES

YES

YES

.

Method Blanks, etc.	YES

YES

NO

YES

LCS/LCSD	YES

YES

YES

.

MS/MSD	YES

YES

YES

YES

BFB Tune	NA

NA

NA

.

Initial Calibration	NA

NA

NA

.

Continuing Calibration / Second-source	NA

NA

NA

.

Internal Standards	NA

NA

NA

.

Manual Integrations	NA

NA

NA

.

Data Completeness / Result Rejection	YES

YES

YES

.

Result Verification (Level IV only)	NA

NA

NA

.

Reviewed by/Date: D.Dill Date 1/10/2019

Co-Reviewer/Date: _____

SUMMARY OF DATA VALIDATION ACTIONS**Sample HT / Preservation Actions and Qualifiers Applied:**

No Qualification Necessary

Field Duplicate (FD) Actions and Qualifiers Applied:

BAT-87-20(1) / DUP-1 and BAT-EW-8 / DUP-2 met field duplicate criteria.

Surrogate Actions and Qualifiers Applied:

No Qualification Necessary

Blank Actions Taken and Qualifiers Applied:

Acetone results were blank qualified due to Trip Blanks for samples: BAT-87-02(3), BAT-EW-13, BAT-DW-11, BAT-DW-10, BAT87-14(0), and BAT-B-8(0)

LCS / LCSD Actions Taken and Qualifiers Applied:

No Qualification Necessary

MS / MSD Actions Taken and Qualifiers Applied:

BAT-EW-4-MS/MSD met all QC criteria. BAT-87-17(1)-MS/MSD RPD's for chloroethane (42%) was high and results were estimated due to precision for parent sample BAT-87-17(1).

BFB Tune Actions based on GC-MS Tune Criteria:

NA for Level II

ICAL / ICV calibration actions and Qualifications:

NA for Level II

CCAL / Second-Source (CCV) calibration Actions:

NA for Level II

Internal Standard Actions and Qualifications:

NA for Level II

Manual Integration Actions:

NA for Level II

Result Rejection Actions :

No Action Required

Result Verification: (Level IV)

NA for Level II

Volatile Organics VOC

PRESERVATION AND HOLDING TIMES

All COC and sample documentation complete?
 All samples received intact, no bubbles?
 Preservation requirements met for all samples?
 Hold Times met for all samples?
 All hold times < 2X applied HT?
 Were all Preservation / HT conditions met?

YES	NO	RECOMMENDED DV ACTIONS	
		DETECT	ND
YES	.	PJ-R	PJ-R
YES		PJ	PJ
YES		J	UJ
YES		J	UJ
YES		J	R
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
R1810578-001		BAT-87-02(1)-	10/30/2018	Water	Rec'd<6°C	11/5/2018	
R1810578-002		BAT-87-02(3)-	10/30/2018	Water	Rec'd<6°C	11/6/2018	
R1810578-003		BAT-97-01(1)-	10/30/2018	Water	Rec'd<6°C	11/5/2018	
R1810578-004		BAT-EW-6-	10/30/2018	Water	Rec'd<6°C	11/5/2018	
R1810578-005		BAT-93-03(1)-	10/30/2018	Water	Rec'd<6°C	11/5/2018	
R1810578-006		BAT-EW-5-	10/30/2018	Water	Rec'd<6°C	11/5/2018	
R1810578-007		BAT-EW-4-	10/30/2018	Water	Rec'd<6°C	11/5/2018	
R1810578-008		BAT-EW-3-	10/30/2018	Water	Rec'd<6°C	11/6/2018	
R1810578-009		BAT-EW-2-	10/30/2018	Water	Rec'd<6°C	11/8/2018	
R1810578-010		BAT-DUP-1-	10/30/2018	Water	Rec'd<6°C	11/6/2018	OS for BAT-87-20(1)-
R1810578-011		BAT-87-20(0)-	10/30/2018	Water	Rec'd<6°C	11/6/2018	
R1810578-012		BAT-87-20(1)-	10/30/2018	Water	Rec'd<6°C	11/6/2018	BAT-DUP-1-
R1810578-013		BAT-89-04(1)-	10/30/2018	Water	Rec'd<6°C	11/6/2018	
R1810578-014		BAT-87-22(1)-	10/30/2018	Water	Rec'd<6°C	11/8/2018	
R1810578-015		BAT-87-19(1)-	10/30/2018	Water	Rec'd<6°C	11/6/2018	
R1810578-016		BAT-87-21(1)-	10/30/2018	Water	Rec'd<6°C	11/6/2018	
R1810578-017		BAT-89-14(1)-	10/30/2018	Water	Rec'd<6°C	11/8/2018	
R1810578-018		BAT-89-14(0)-	10/30/2018	Water	Rec'd<6°C	11/8/2018	
R1810578-019		BAT-B-14(1)-	10/30/2018	Water	Rec'd<6°C	11/6/2018	
R1810579-001		BAT-EW-7-	10/31/2018	Water	Rec'd<6°C	11/6/2018	
R1810579-002		BAT-EW-13-	10/31/2018	Water	Rec'd<6°C	11/6/2018	
R1810579-003		BAT-EW-8-	10/31/2018	Water	Rec'd<6°C	11/6/2018	BAT-DUP-2-
R1810579-004		BAT-DW-12-	10/31/2018	Water	Rec'd<6°C	11/9/2018	
R1810579-005		BAT-DW-11-	10/31/2018	Water	Rec'd<6°C	11/9/2018	
R1810579-006		BAT-87-10(0)-	10/31/2018	Water	Rec'd<6°C	11/6/2018	
R1810579-007		BAT-89-15(1)-	10/31/2018	Water	Rec'd<6°C	11/6/2018	
R1810579-008		BAT-DW-10-	10/31/2018	Water	Rec'd<6°C	11/9/2018	
R1810579-009		BAT-87-13(3)-	10/31/2018	Water	Rec'd<6°C	11/9/2018	
R1810579-010		BAT-87-14-(0)	10/31/2018	Water	Rec'd<6°C	11/9/2018	
R1810579-011		BAT-87-08(1)-	10/31/2018	Water	Rec'd<6°C	11/9/2018	
R1810579-012		BAT-DUP-2-	10/31/2018	Water	Rec'd<6°C	11/9/2018	OS for BAT-EW-8-
R1810579-013		BAT-DW-9-	10/31/2018	Water	Rec'd<6°C	11/9/2018	
R1810579-014		BAT-B-8(0)-	10/31/2018	Water	Rec'd<6°C	11/9/2018	
R1810579-015		BAT-98-17(1)-	10/31/2018	Water	Rec'd<6°C	11/6/2018	

Volatile Organics VOC

FIELD DUPLICATES / FIELD SPLITS

(Calculate RPDs for positive results only)

Field duplicates collected?

All field RPD within limits?

Results agree with raw data? (Level IV only):

YES	NO	RECOMMENDED DV ACTIONS	
		DETECT	ND
YES		PJ	PJ
YES	.	J	UJ
NA		PJ	PJ

Project-assigned FD Limits: RPD - Water:

50

Use RPD 50 as default value

RPD - Soil

50

Use RPD 50 as default value

Example calculation:

$$(\text{Orig.Samp} - \text{Dup result}) / ((\text{Orig samp.} + \text{Dup result}) / 2) = \text{RPD}$$

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
	BAT-87-20(1)		DUP-1			
Vinyl chloride		730		750	-2.70	
1,1-Dichloroethene		7.6		7.2	5.41	
Carbon disulfide		18		20	-10.53	
trans-1,2-Dichloroethene		7.7		7.4	3.97	
1,1-Dichloroethane		11		9.1	18.91	
1,1,1-Trichloroethane		14		13	7.41	
Trichloroethane		28		26	7.41	
	BAT-EW-8-		DUP-2			
Vinyl Chloride		27		19	34.78	
Carbon disulfide		0.36		0.34	5.71	
Methylene chloride		9.2		7.5	20.36	
1,1-Dichloroethane		2.2		1.9	14.63	
cis-1,2-Dichloroethene		80		60	28.57	
Chloroform		1		1	0.00	
Trichloroethene		3.1		2.7	13.79	

Field Duplicate (FD) Actions and Qualifiers Applied: (e.g ,J, UJ)

BAT-87-20(1) / DUP-1 and BAT-EW-8 / DUP-2 met field duplicate criteria.

Volatile Organics VOC

SURROGATE RECOVERIES - DMCs

Surrogate recovery ranges fall within limits?

Re-runs acceptable if required?

Were surrogates recovered from samples or dilutions?

All recoveries > minimum recovery levels?

Surrogate recoveries acceptable?

Check source of Surrogate Limits applied:

Project QA Plan	<u>DoD QSM</u>	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:

[illegible]

Surrogate Actions and Qualifiers Applied: (e.g ,J, UJ, R)

No Qualification Necessary

Volatile Organics VOC

BLANK ANALYSES

Performed for each matrix and level?:

Performed for each batch?

Field Blanks free of contamination? (TB, ER, MB)

Sample results ND or > blank action levels?

		RECOMMENDED DV ACTIONS	
		DETECT	ND
YES	NO	J	U
YES		PJ	PJ
NO		< AL-U	N/A
NO	YES	< AL-U	N/A

Check source of Blank Action criteria applied:

<u>Project QA Plan</u>	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:

[illegible]

Blank Actions Taken and Qualifiers Applied (e.g. B, U)

Acetone results were blank qualified due to Trip Blanks for samples: BAT-87-02(3), BAT-EW-13, BAT-DW-11, BAT-DW-10, BAT87-14(0), and BAT-B-8(0)

Volatile Organics VOC

LABORATORY CONTROL SAMPLE (LCS) / LCS DUPLICATE (LCSD)

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 10 %?
All RPD within Control Limits?
Calculation of %R/RPD accurate? (Level IV only)

YES	NO	RECOMMENDED DV ACTIONS	
		DETECT	ND
YES		J	UJ
YES	.	J	UJ
YES		J	UJ/R
NO	R > CL	J	None
NO	R < CL	J	UJ
NO	R < 10%	J	R
YES		J	UJ
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 - 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		
RQ1812319-03	met LCS criteria				
RQ1812380-03	met LCS criteria				
RQ1812381-03	met LCS criteria				
RQ1812179-03	met LCS criteria				
RQ1812324-03	met LCS criteria				
RQ1812337-03	met LCS criteria				

LCS / LCSD ActionsTaken and Qualifiers Applied (e.g. J, UJ, R)

No Qualification Necessary

Volatile Organics VOC

MATRIX SPIKE (MS) / MS DUPLICATE (MSD) ANALYSIS

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 limit?
 All RPD within Control Limits?
 Calculation of %R and RPD correct? (Level IV only)

YES	NO	RECOMMENDED DV ACTIONS	
		DETECT	ND
YES		N/A	N/A
YES	YES	J	UJ
YES		J	UJ/R
NO	R > CL	J	N/A
NO	R < CL	J	UJ
NO	R < 10%	J	R
NO		J	UJ
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 RPD - Water:	30	Use RPD 30 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		
BAT-EW-4-	met all MS/MSD criteria	OK	OK		
BAT-87-17(1)	Chloroethane	OK-115%	OK-75%	42%	precision

MS / MSD Actions Taken and Qualifiers Applied (e.g. J, UJ, R)

BAT-EW-4-MS/MSD met all QC criteria. BAT-87-17(1)-MS/MSD RPD's for chloroethane (42%) was high and results were estimated due to precision for parent sample BAT-87-17(1).

Volatile Organics VOC

GC/MS INSTRUMENT TUNE (Level III, IV only)

(Bromofluorobenzene)

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 95?

BFB criteria within method limits?

YES	NO	RECOMMENDED DV ACTION	
		DETECT	ND
NA		R	R
NA		R	R
NA		PJ	PJ
NA		PJ	PJ
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:

[illegible]

BFB Tune Actions based on GC-MS Tune Criteria

NA for Level II

Volatile Organics VOC

INITIAL/CONTINUING CALIBRATION (Level III, IV only)

Note: the following are based on NFG, use proj-specific criteria.

Minimum five-point ICAL performed before sample analysis?:

All ICAL RRFs above minimum limits for sensitivity?

RRF > 0.05; RSD < 30% ICAL ; cc > 0.995; r^2 > 0.990 (non-linear)?

CCAL within 12 hrs of ICAL?

All ALT/CCAL RRFs above lower limit for sensitivity?

Alternate Source (ALT) Initial Calibration Verification %D < CL?

Continuing Calibration (CCAL) %D < CL?

RRF > 0.05; % D < 20% CCAL and Alt Source Std < CL?

YES	NO	RECOMMENDED DV ACTION	
		DETECT	ND
NA		R	R
NA		PG	PG
NA	.	J	UJ
NA		PG	PG
NA		PG	PG
NA		J	UJ
NA		J	UJ
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:

[illegible]

ICAL / CCAL calibration actions and Qualifications (e.g. J, UJ, R)

ICAL

NA for Level II

CCAL

NA for Level II

Volatile Organics VOC

INTERNAL STANDARDS (Level III, IV only)

Are IS areas and retention times within limits?

All areas within limits of -50% to +100% of CCAL?

All retention times within 30 sec of standard IS RT's?

Is calibration acceptable based on IS performance?

YES	NO	RECOMMENDED ACTION	
		DETECT	ND
NA		J	UJ
NA		J	UJ
NA		J	UJ
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

[illegible]

Internal Standard Actions and Qualifications taken (e.g. J, UJ, R)

NA for Level II

Volatile Organics VOC

MANUAL INTEGRATIONS (Level IV only)

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? (Level IV only)

YES	NO	RECOMMENDED ACTION
NA		No action
NA		Use prof. judgment
NA		Use prof. judgment
NA	.	Reject, R
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

[illegible]

Verify any manual integrations that have been performed using calculations provided by the lab (Level IV only)

Manual Integration Actions:

NA for Level II

Volatile Organics VOC

DATA COMPLETENESS / MULTIPLE RESULTS

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?

YES	NO	RECOMMENDED ACTION
YES		Note impact on data set
NO	.	Reject unused, R
NA		Reject, R
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)

[illegible]

Actions based on Data Completeness and Reporting of Multiple Results:

No Action Required

Volatile Organics VOC

RESULT VERIFICATION (Level IV only)

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?

YES	NO	RECOMMENDED ACTION
NA		
NA	.	Make corrections
NA		Use prof. judgment
NA		Use prof. judgment
NA		Use prof. judgment
NA		Use prof. judgment
NA		Qualify as JN

Recalculate one or more sample results using calculations below or provided by the lab.

Aqueous Concentration (ug/L) = $C \times \frac{V_{\text{final}}}{V_{\text{initial}}} \times \text{Dilution Factor}$

C = Instrument value in ug/L

$$\text{Soils Conc. (dry wt mg/kg)} = \frac{C \times V}{W \times S} \times \text{Dilution Factor}$$

$C = \text{Conc (mg/L)}$

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:

[illegible]

Result Verification; Multiple Results; and Unused Data:

NA for Level II

Appendix I

*Correspondence Regarding
Residential Sub-Slab Depressurization System*

From: Simpson, Greg - Corporate EHS
Sent: Monday, January 14, 2019 11:21 AM
To: Jim Cody <jcody@buffaloseminary.org>
Subject: RE: Sub-slab System

Hi Mr. Cody – Thanks for the note. Please go ahead and reach out to the contractor about rectifying the sump pump issue and have them send me the bill.

Thanks again,
Greg

Gregory L. Simpson

Director - Site Remediation
Textron Inc.
40 Westminster Street
Providence, RI 02903
p (401) 457-2635
f (401) 457-6028
gsimpson@textron.com

From: Jim Cody <jcody@buffaloseminary.org>
Sent: Monday, January 14, 2019 11:17 AM
To: Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
Subject: Re: Sub-slab System

Good Morning Mr.Simpson,

I inspect my systems daily at home. The air removal systems are working fine. The sump pump is another issue. last week when we had the thaw the battery backup pump went on to keep up with the ground water flow because the electric unit was not pumping efficiently. The pump was running but not really pumping. When the level did go down the float switch did not switch it off. Yesterday I inspected it further, they just don't make pumps like they used to.

I need to contact Brundages to have a new pump installed, please respond with the ok to do so. My wife and I appreciate the fact that we have these systems in our house, it gives us peace of mind.

Best Regards,

James J.Cody

On Thu, Mar 1, 2018 at 3:09 PM Simpson, Greg - Corporate EHS <gsimpson@textron.com> wrote:
That's great to hear about the system operating well. I'll get you a check ASAP. As always, please let me know if the system experiences any issues.

We did shutdown the groundwater system in the parking lot late last year as we transitioned to a different groundwater remedy that relies on stimulating natural bacteria in the ground to breakdown the contaminants. We are hopeful that this approach will accelerate the pace of groundwater cleanup at the site.

Thanks again for your help.

Greg

-----Original Message-----

From: Jim Cody [mailto:jcody@buffaloseminary.org]
Sent: Thursday, March 1, 2018 2:50 PM
To: Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
Subject: Re: Sub-slab System

Greg,

Thank you for the email. I just sat down at my desk to type you a note, wow, you are good.

The system has been working fine. They have been running constantly now since their installation in 2016. The only time I turn off the basement one is when we are on the patio and sitting near the discharge. Other than that they have been on 24/7.

I have been wondering, has the scrubber at the corner of Niagara Falls Blvd and Walmore Road in the Textron parking area been shut down? I don't seem to hear it anymore.

Regards,

James J.Cody

On Thu, Mar 1, 2018 at 2:36 PM, Simpson, Greg - Corporate EHS <gsimpson@textron.com> wrote:

> Good Afternoon Mr. Cody – I hope that all is well. I am getting ready
> to process the annual reimbursement payment for electrical charges
> associated with the sub-slab system and just wanted to confirm that
> everything is operating properly from what you can observe. Please
> let me know when you have a chance.

>

>

>

> Regards,

>

> Greg

>

>

>

> Gregory L. Simpson

>

> Director - Site Remediation

>

> Textron Inc.

>

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>

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James Cody
Director of Facilities / Maintenance
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Fax: (716) 885-6785
E-Mail: jcody@buffaloseminary.org

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James Cody
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Appendix J

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 3, 2018

Mr. Dan Kummer
Niagara County Sewer District No. 1
7346 Liberty Drive
Niagara Falls, NY 14304-3762

**Subject: Niagara County Sewer District Discharge Monitoring
Semiannual Analytical Results
Permit No. 16-07
Textron Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Sample Dates: April 18-19, 2018**

Dear Mr. Kummer:

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. 16-07. 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. 16-07 and the April 20, 2017 addendum to Permit No. 16-07.

Aptim Environmental & Infrastructure, Inc. (APTIM), on behalf of Textron, collected grab samples of the discharge from Extraction Well EW-6 between April 18 and 19, 2018 in accordance with NCSD Permit No. 16-07. The field sampling sheets are included as Appendix A. The samples were kept on ice and hand delivered to the ALS Environmental laboratory in Rochester, New York, for analysis of volatile organic compounds via U.S. Environmental Protection Agency (USEPA) Method 624 and low level mercury via USEPA Method 1631E.

As requested in your April 20, 2016 addendum to Permit No. 16-07, this report includes laboratory analysis of mercury. The low level mercury analytical results are summarized with an estimate of the discharge loading in comparison to the permitted maximum daily discharge loading limits in Table 1. Table 2 contains a summary of the semiannual discharge monitoring analytical data and an estimate of the discharge loading in comparison to the permitted maximum daily discharge loading limits. As illustrated in Tables 1 and 2, the estimated daily discharge loading during the monitoring period did not exceed the permitted limits, and the system remains in compliance with pertinent permits and discharge requirements. The analytical results for the April 2018 sampling event are provided in Appendix B.

Approximately 6,967,529 gallons of groundwater were extracted by the off-site system and discharged to the NCSD sanitary sewer between November 1, 2017 and May 1, 2018 as calculated through the sum of the individual well totalizers. The monthly discharge flow volumes are detailed on Tables 3 through 8.

Please do not hesitate to contact me at 412.858.3977 should you have any questions regarding this project.

Sincerely,



Cecelia Byers
Project Manager
Telephone: 412.858.3977
E-Mail Address: cecelia.byers@aptim.com

CB:lmk

Attachments: Tables
Appendix A – Field Sampling Sheets
Appendix B – Analytical Report

cc: Greg Simpson – Textron, e-copy
APTIM – File

Table 1
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
April 18-19, 2018
Sample ID: MH No. 9-3

Parameter via USEPA Method 1631E	Reported Concentration (mg/L)	Total Flow (gallons per day) ⁽¹⁾	Discharge Loading Pounds per Day ⁽²⁾	Discharge Limitation (mg/L)
Mercury, Total	0.0000018	44,221	0.0000000007	0.001

Notes:

Total Flow Limit: 200,000 gallons per day (gpd).

< - Not detected at indicated method detection limit.

For calculation purposes, "Not Detected" values are assigned the value of the method detection 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 8.3×10^{-9}

Table 2
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
April 18-19, 2018
Sample ID: MH No. 9-3

Parameter via USEPA Method 624	Reported Concentration (µg/L)	Total Flow (gallons per day) ⁽¹⁾	Discharge Loading Pounds per Day ⁽²⁾	Maximum Daily Discharge Loading Limits (µg/L)
Trichloroethene	0.388	44,221	0.000143181	1.0
1,2-Dichloroethene (Total)	24.2	44,221	0.008930387	2.500
Vinyl Chloride	34.9	44,221	0.012878946	0.4000
Methylene Chloride	< 1.0	44,221	< 0.000369024	0.2

Notes:

Total Flow Limit: 200,000 gallons per day (gpd).

< - Not detected at indicated method detection limit.

For calculation purposes, "Not Detected" values are assigned the value of the method detection 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 8.3×10^{-9}

Table 3
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
November 1-30, 2017
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)
11/01/17 08:03	84	44	11	0	139
11/02/17 08:03	9,624	16,976	7,990	0	34,590
11/03/17 08:03	12,666	21,448	10,368	0	44,482
11/04/17 08:03	12,709	21,691	10,913	0	45,313
11/05/17 08:03	12,653	21,616	10,942	0	45,211
11/06/17 08:03	12,678	20,802	12,243	0	45,723
11/07/17 08:03	12,697	20,865	12,726	0	46,288
11/08/17 08:03	12,670	21,328	12,375	0	46,373
11/09/17 08:03	12,591	21,524	12,086	0	46,201
11/10/17 08:03	12,538	21,251	11,873	0	45,662
11/11/17 08:03	12,497	20,900	11,723	0	45,120
11/12/17 08:03	12,461	21,340	11,646	0	45,447
11/13/17 08:03	12,427	20,951	11,507	0	44,885
11/14/17 08:03	12,905	21,911	11,807	0	46,623
11/15/17 08:03	12,350	20,890	11,272	0	44,512
11/16/17 08:03	12,333	21,159	11,158	0	44,650
11/17/17 08:03	12,337	21,354	11,052	0	44,743
11/18/17 08:03	12,312	21,505	10,994	0	44,811
11/19/17 08:03	12,357	21,238	11,394	0	44,989
11/20/17 08:03	12,439	21,427	12,709	0	46,575
11/21/17 08:03	12,420	21,196	12,563	0	46,179
11/22/17 08:03	12,332	21,059	12,307	0	45,698
11/23/17 08:03	12,291	21,148	12,197	0	45,636
11/24/17 08:03	12,239	21,218	12,073	0	45,530
11/25/17 08:03	12,192	21,177	11,964	0	45,333
11/26/17 08:03	12,139	21,209	11,803	0	45,151
11/27/17 08:03	12,224	21,244	11,664	0	45,132
11/28/17 08:03	12,329	21,231	11,561	0	45,121
11/29/17 08:03	12,336	21,064	11,548	0	44,948
11/30/17 08:03	12,317	21,145	11,511	0	44,973

Total Flow for November (gallons):	1,306,038
Maximum Daily Flow for November (gallons/day):	46,623
Average Daily Flow for November (gallons/day):	43,535

Table 4
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
December 1-31, 2017
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)
12/01/17 08:03	12,273	21,074	11,410	0	44,757
12/02/17 08:03	12,632	21,031	11,260	0	44,923
12/03/17 08:03	12,617	21,267	11,160	0	45,044
12/04/17 08:03	12,592	21,302	11,015	0	44,909
12/05/17 08:03	12,561	21,341	10,908	0	44,810
12/06/17 08:03	12,573	21,339	11,379	0	45,291
12/07/17 08:03	12,511	21,256	11,453	0	45,220
12/08/17 08:03	12,429	21,212	11,412	0	45,053
12/09/17 08:03	12,300	20,556	11,333	0	44,189
12/10/17 08:03	12,127	20,627	11,331	0	44,085
12/11/17 08:03	11,951	20,847	11,211	0	44,009
12/12/17 08:03	11,783	20,681	11,145	0	43,609
12/13/17 08:03	12,250	20,670	11,130	0	44,050
12/14/17 08:03	12,686	20,669	11,045	0	44,400
12/15/17 08:03	12,800	20,758	10,922	0	44,480
12/16/17 08:03	12,985	21,100	10,981	0	45,066
12/17/17 08:03	12,598	20,434	10,508	0	43,540
12/18/17 08:03	12,733	20,691	10,525	0	43,949
12/19/17 08:03	12,700	20,718	10,657	0	44,075
12/20/17 08:03	12,709	20,968	11,353	0	45,030
12/21/17 08:03	12,657	20,934	11,416	0	45,007
12/22/17 08:03	12,568	20,869	11,288	0	44,725
12/23/17 08:03	10,098	16,915	8,740	0	35,753
12/24/17 08:03	0	0	0	0	0
12/25/17 08:03	0	0	0	0	0
12/26/17 08:03	0	0	0	0	0
12/27/17 08:03	0	0	0	0	0
12/28/17 08:03	0	0	0	0	0
12/29/17 08:03	0	0	0	0	0
12/30/17 08:03	0	0	0	0	0
12/31/17 08:03	0	0	0	0	0

Total Flow for December (gallons):	1,015,974
Maximum Daily Flow for December (gallons/day):	45,291
Average Daily Flow for December (gallons/day):	32,773

Green - indicates a calculated daily flow rate based on remote telemetry.

Table 5
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
January 1-31, 2018
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)
01/01/18 08:03	0	0	0	0	0
01/02/18 08:03	0	0	0	0	0
01/03/18 08:03	0	0	0	0	0
01/04/18 08:03	0	0	0	0	0
01/05/18 08:03	0	0	0	0	0
01/06/18 08:03	0	0	0	0	0
01/07/18 08:03	0	0	0	0	0
01/08/18 08:03	0	0	0	0	0
01/09/18 08:03	0	0	0	0	0
01/10/18 08:03	0	0	0	0	0
01/11/18 08:03	0	0	0	0	0
01/12/18 08:03	26,491	42,467	23,519	0	92,477
01/13/18 08:03	14,380	21,795	13,629	0	49,804
01/14/18 08:03	14,786	21,299	13,186	0	49,271
01/15/18 08:03	15,207	21,621	12,736	0	49,564
01/16/18 08:03	15,337	22,130	12,526	0	49,993
01/17/18 08:03	16,372	21,970	12,163	0	50,505
01/18/18 08:03	16,429	21,791	11,929	0	50,149
01/19/18 08:03	16,298	21,911	11,807	0	50,016
01/20/18 08:03	16,071	21,942	11,644	0	49,657
01/21/18 08:03	15,925	21,915	11,516	0	49,356
01/22/18 08:03	15,727	21,823	11,467	0	49,017
01/23/18 08:03	12,341	17,284	9,318	0	38,943
01/24/18 08:03	22,785	32,029	18,043	0	72,857
01/25/18 08:03	15,802	22,117	12,401	0	50,320
01/26/18 08:03	15,991	22,137	11,975	0	50,103
01/27/18 08:03	16,090	22,128	11,649	0	49,867
01/28/18 08:03	16,224	22,121	11,422	0	49,767
01/29/18 08:03	16,367	22,340	11,398	0	50,105
01/30/18 08:03	16,177	22,148	11,151	0	49,476
01/31/18 08:03	16,062	22,136	10,971	0	49,169

Total Flow for January (gallons):	1,050,416
Maximum Daily Flow for January (gallons/day):	92,477
Average Daily Flow for January (gallons/day):	33,884

Green - indicates a calculated daily flow rate based on remote telemetry.

Table 6
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
February 1-28, 2018
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)
02/01/18 08:03	15,977	22,174	10,944	0	49,095
02/02/18 08:03	15,888	22,162	10,933	0	48,983
02/03/18 08:03	15,746	22,100	10,855	0	48,701
02/04/18 08:03	15,675	22,135	10,859	0	48,669
02/05/18 08:03	15,639	22,060	10,855	0	48,554
02/06/18 08:03	15,643	22,063	10,855	0	48,561
02/07/18 08:03	15,551	22,061	10,685	0	48,297
02/08/18 08:03	15,432	21,982	10,566	0	47,980
02/09/18 08:03	15,418	22,089	10,465	0	47,972
02/10/18 08:03	15,559	22,112	10,406	0	48,077
02/11/18 08:03	15,616	22,190	10,290	0	48,096
02/12/18 08:03	15,555	22,154	10,176	0	47,885
02/13/18 08:03	15,459	22,158	10,091	0	47,708
02/14/18 08:03	15,372	22,229	10,195	0	47,796
02/15/18 08:03	15,351	22,155	10,398	0	47,904
02/16/18 08:03	15,326	22,163	11,504	0	48,993
02/17/18 08:03	15,289	22,179	11,914	0	49,382
02/18/18 08:03	15,236	21,988	11,559	0	48,783
02/19/18 08:03	15,165	21,851	11,179	0	48,195
02/20/18 08:03	15,134	21,804	11,429	0	48,367
02/21/18 08:03	15,112	21,496	12,276	0	48,884
02/22/18 08:03	15,084	20,602	12,008	0	47,694
02/23/18 08:03	15,070	19,837	11,665	0	46,572
02/24/18 08:03	15,134	19,861	11,533	0	46,528
02/25/18 08:03	14,950	19,662	11,385	0	45,997
02/26/18 08:03	14,906	19,640	11,484	0	46,030
02/27/18 08:03	14,811	19,547	11,188	0	45,546
02/28/18 08:03	15,038	19,634	10,991	0	45,663

Total Flow for February (gallons):	1,340,912
Maximum Daily Flow for February (gallons/day):	49,382
Average Daily Flow for February (gallons/day):	47,890

Table 7
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
March 1-31, 2018
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)
03/01/18 08:03	15,010	19,571	10,803	0	45,384
03/02/18 08:03	9,582	12,570	6,816	0	28,968
03/03/18 08:03	0	0	0	0	0
03/04/18 08:03	0	0	0	0	0
03/05/18 08:03	0	0	0	0	0
03/06/18 08:03	0	0	0	0	0
03/07/18 08:03	0	0	0	0	0
03/08/18 08:03	0	0	0	0	0
03/09/18 08:03	0	0	0	0	0
03/10/18 08:03	12,755	17,010	9,489	0	39,254
03/11/18 08:03	15,037	20,232	11,215	0	46,484
03/12/18 08:03	14,869	20,289	11,196	0	46,354
03/13/18 08:03	14,695	20,264	11,128	0	46,087
03/14/18 08:03	14,573	20,152	11,108	0	45,833
03/15/18 08:03	14,476	20,205	11,204	0	45,885
03/16/18 08:03	14,372	20,299	11,288	0	45,959
03/17/18 08:03	14,278	20,285	11,254	0	45,817
03/18/18 08:03	14,171	20,235	11,265	0	45,671
03/19/18 08:03	14,054	20,188	11,315	0	45,557
03/20/18 08:03	13,955	20,135	11,308	0	45,398
03/21/18 08:03	13,836	20,038	11,186	0	45,060
03/22/18 08:03	13,726	19,981	11,039	0	44,746
03/23/18 08:03	13,577	19,946	10,848	0	44,371
03/24/18 08:03	13,463	19,845	10,654	0	43,962
03/25/18 08:03	13,493	19,740	10,771	0	44,004
03/26/18 08:03	13,446	19,599	10,498	0	43,543
03/27/18 08:03	13,426	19,626	10,386	0	43,438
03/28/18 08:03	13,399	19,588	10,427	0	43,414
03/29/18 08:03	13,344	19,595	10,436	0	43,375
03/30/18 08:03	13,345	19,497	10,888	0	43,730
03/31/18 08:03	13,371	19,084	11,325	0	43,780

Total Flow for March (gallons):	1,056,074
Maximum Daily Flow for March (gallons/day):	46,484
Average Daily Flow for March (gallons/day):	34,067

Table 8
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
April 1-30, 2018
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)
04/01/18 08:03	13,331	19,248	11,103	0	43,682
04/02/18 08:03	13,345	19,221	10,991	0	43,557
04/03/18 08:03	13,278	19,195	10,758	0	43,231
04/04/18 08:03	13,230	19,189	10,770	0	43,189
04/05/18 08:03	1,849	2,668	1,571	0	6,088
04/06/18 08:03	13,106	20,514	11,459	0	45,079
04/07/18 08:03	13,260	20,869	11,108	0	45,237
04/08/18 08:03	13,200	20,867	10,887	0	44,954
04/09/18 08:03	13,117	20,864	10,610	0	44,591
04/10/18 08:03	13,015	20,815	10,347	0	44,177
04/11/18 08:03	12,895	20,766	10,255	0	43,916
04/12/18 08:03	12,780	20,574	10,260	0	43,614
04/13/18 08:03	12,646	20,342	10,146	0	43,134
04/14/18 08:03	12,509	20,331	9,992	0	42,832
04/15/18 08:03	8,674	14,959	7,589	0	31,222
04/16/18 08:03	0	0	0	0	0
04/17/18 08:03	4,330	20,722	17,908	0	42,960
04/18/18 08:03	0	20,432	14,945	0	35,377
04/19/18 08:03	12,424	19,926	11,871	0	44,221
04/20/18 08:03	12,972	19,348	11,580	0	43,900
04/21/18 08:03	12,926	19,203	11,248	0	43,377
04/22/18 08:03	12,903	19,254	11,020	0	43,177
04/23/18 08:03	12,848	19,200	10,766	0	42,814
04/24/18 08:03	12,743	19,055	10,548	0	42,346
04/25/18 08:03	12,807	19,264	10,526	0	42,597
04/26/18 08:03	12,358	18,788	10,329	0	41,475
04/27/18 08:03	12,428	19,152	10,493	0	42,073
04/28/18 08:03	12,358	19,141	10,423	0	41,922
04/29/18 08:03	12,282	19,152	10,321	0	41,755
04/30/18 08:03	12,176	19,209	10,233	0	41,618

Total Flow for April (gallons):	1,198,115
Maximum Daily Flow for April (gallons/day):	45,237
Average Daily Flow for April (gallons/day):	39,937

Green - indicates a calculated daily flow rate based on remote telemetry.

Appendix A

Field Sampling Sheets

Project Name TEXTRON WHEATFIELD, NY		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																									
Project Manager CECELIA BYERS		Report CC		PRESERVATIVE 0																Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____									
Company/Address APTIM, INC. 13 BRITISH-AMERICAN BLVD. LATHAM, NY 12210				NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 824 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) 1631 LL Hg																								
Phone # 518-785-1996		Email CECELIA.BYERS@APTIM.COM																		REMARKS/ ALTERNATE DESCRIPTION									
Sampler's Signature KEVIN CROWN		Sampler's Printed Name KEVIN CROWN																											
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX	3	X															} COMPOSITE INTO ONE SAMPLE						
EW-6			4/18/18		1215	GW	3	X																					
EW-6			↓		1810	↓	3	X																					
EW-6			4/19/18		0600	↓	3	X																					
EW-6			↓		1205	↓	3	X																					
TRIP BLANK			4/5/18		1115	-	3	X																					
EW-6			4/18/18		1215	GW	1		X																				
SPECIAL INSTRUCTIONS/COMMENTS Metals																		TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day STANDARD REQUESTED REPORT DATE _____				REPORT REQUIREMENTS ____ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data Edata ____ Yes ____ No				INVOICE INFORMATION ____ PO # ____ BILL TO: ____ ____ ____			
STATE WHERE SAMPLES WERE COLLECTED																													
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY															
Signature Kevin Crown		Signature [Signature]		Signature		Signature		Signature		Signature		Signature		Signature															
Printed Name KEVIN CROWN		Printed Name [Name]		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name															
Firm APTIM		Firm ATS		Firm		Firm		Firm		Firm		Firm		Firm															
Date/Time 4/20/18 1100		Date/Time 4/20/18 1100		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time															

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: 631236330
NCSD Permit Number: 16-07
Sample Location: EW-6
Date: April 18, 2018
Time: 12:15
Field Personnel: Kevin Cronin / BOB URBAN - ACS

Physical Condition of Location: Good
Ambient Temperature: 35°C
Wind: 10-15 mph
Precipitation: 0.0

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3
Sample Description: Clear ✓
Analysis Requested: EPA Method 624, EPA Method 1631E/Hg LL T
Totalizer: _____

Notes: _____

Sampler Signature: Kevin Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

NCSD Permit Number: 16-07

Sample Location: EW-6

Date: April 18, 2018

Time: 1810

Field Personnel: Kevin Cronin

Physical Condition of Location: Good

Ambient Temperature: 34°F

Wind: 5-10 mph

Precipitation: 0.0

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3

Sample Description: Clear

Analysis Requested: EPA Method 624

Totalizer: _____

Notes: _____

Sampler Signature: _____

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

NCSD Permit Number: 16-07

Sample Location: EW-6

Date: April 19, 2018

Time: 0600

Field Personnel: Kevin Cronin

Physical Condition of Location: Good

Ambient Temperature: ~ 33°

Wind: Light

Precipitation: NONE - Snow showers overnight < 1"

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3

Sample Description: Clear

Analysis Requested: EPA Method 624

Totalizer: _____

Notes: _____

Sampler Signature: Kevin Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

NCSD Permit Number: 16-07

Sample Location: EW-6

Date: April 19, 2018

Time: 1205

Field Personnel: Kevin Cronin

Physical Condition of Location: Good

Ambient Temperature: 32°

Wind: LIGHT

Precipitation: LIGHT SNOW SHOWER

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3

Sample Description: Clear

Analysis Requested: EPA Method 624

Totalizer: _____

Notes: _____

Sampler Signature: Kevin Cronin

Appendix B

Analytical Report



April 26, 2018

Service Request No:R1803607

Ms. Cecelia Byers
APTIM, Inc
2790 Mosside Boulevard
Monroeville, PA 15146

Laboratory Results for: Textron Wheatfield, NY

Dear Ms.Byers,

Enclosed are the results of the sample(s) submitted to our laboratory April 20, 2018
For your reference, these analyses have been assigned our service request number **R1803607**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Lisa
Schermerhorn

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield, NY
Sample Matrix: Water

Service Request: R1803607
Date Received: 04/20/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Two water samples were received for analysis at ALS Environmental on 04/20/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. Samples were not submitted to the laboratory with Field Blanks as required by EPA Method 1631E (Section 9.4, minimum requirements for the analysis of blanks).

Metals:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 624: One or more samples were received with insufficient hold time remaining to complete the analysis within the recommended limit (3 day hold for acrolein). The analysis was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time violation.



Approved by _____

Date 04/26/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: MH No. 9-3		Lab ID: R1803607-001				
Analyte	Results	Flag	MDL	PQL	Units	Method
Mercury, Total	1.8		0.2	1.0	ng/L	1631E
1,1,1-Trichloroethane (TCA)	0.344	J	0.200	1.00	ug/L	624.1
1,1-Dichloroethane (1,1-DCA)	0.570	J	0.210	1.00	ug/L	624.1
Trichloroethene (TCE)	0.388	J	0.200	1.00	ug/L	624.1
Trichlorofluoromethane (CFC 11)	0.205	J	0.200	1.00	ug/L	624.1
Vinyl Chloride	34.9		0.200	1.00	ug/L	624.1
1,2-Dichloroethene, Total	24.2			2.00	ug/L	624.1



Sample Receipt Information

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Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330

Service Request:R1803607

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1803607-001	MH No. 9-3	4/18/2018	1215
R1803607-002	TRIP BLANK	4/18/2018	1215



Cooler Receipt and Preservation Check Form



Project/Client _____ Folder Number _____

Cooler received on 4/20/18 by: @COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>Y</u> <u>N</u>
2	Custody papers properly completed (ink, signed)?	<u>Y</u> <u>N</u>
3	Did all bottles arrive in good condition (unbroken)?	<u>Y</u> <u>N</u>
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>Y</u> <u>N</u>

5a	Perchlorate samples have required headspace?	<u>Y</u> <u>N</u> <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<u>Y</u> <u>N</u> <u>NA</u>
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 4/20/18 Time: 1257 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>2.1</u>	<u>0.6</u>	<u>1.5</u>				
Correction Factor (°C)	<u>+1.3</u>						
Corrected Temp (°C)	<u>3.4</u>	<u>1.9</u>	<u>2.8</u>				
Temp from: Type of bottle	<u>Cent tube</u>						
Within 0-6°C?	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>
If <0°C, were samples frozen?	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>	<u>Y</u> <u>N</u>

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by @ on 4/20/18 at 1302
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 4/23/18 Time: 1120 by: @

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**	<u>2</u>					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 7-254-004 1110272

Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	<u>HGFB</u>
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: @PC Secondary Review: WMS 4/24/18 *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Approved	New Jersey ID # NY004	294100 A/B
DoD ELAP #65817	New York ID # 10145	Pennsylvania ID# 68-786
Florida ID # E87674	North Carolina #676	Rhode Island ID # 158
		Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

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Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330

Service Request: R1803607

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
624.1	Water	1,2-Dichloroethene, Total

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330

Service Request: R1803607

Sample Name: MH No. 9-3
Lab Code: R1803607-001
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/20/18

Analysis Method
1631E
624.1

Extracted/Digested By

Analyzed By
NMANSEN
FNAEGLER

Sample Name: TRIP BLANK
Lab Code: R1803607-002
Sample Matrix: Water

Date Collected: 04/18/18
Date Received: 04/20/18

Analysis Method
624.1

Extracted/Digested By

Analyzed By
FNAEGLER



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

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Volatile Organic Compounds by GC/MS

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607
Date Collected: 04/18/18 12:15
Date Received: 04/20/18 17:45

Sample Name: MH No. 9-3
Lab Code: R1803607-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.344 J	1.00	0.200	1	04/24/18 15:12	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	0.200	1	04/24/18 15:12	
1,1,2-Trichloroethane	1.00 U	1.00	0.200	1	04/24/18 15:12	
1,1-Dichloroethane (1,1-DCA)	0.570 J	1.00	0.210	1	04/24/18 15:12	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	0.200	1	04/24/18 15:12	
1,2-Dichlorobenzene	1.00 U	1.00	0.250	1	04/24/18 15:12	
1,2-Dichloroethane	1.00 U	1.00	0.200	1	04/24/18 15:12	
1,2-Dichloropropane	1.00 U	1.00	0.200	1	04/24/18 15:12	
1,3-Dichlorobenzene	1.00 U	1.00	0.220	1	04/24/18 15:12	
1,4-Dichlorobenzene	1.00 U	1.00	0.200	1	04/24/18 15:12	
2-Chloroethyl Vinyl Ether	10.0 U	10.0	0.600	1	04/24/18 15:12	
Acrolein	10.0 U	10.0	2.87	1	04/24/18 15:12	*
Acrylonitrile	10.0 U	10.0	1.74	1	04/24/18 15:12	
Benzene	1.00 U	1.00	0.200	1	04/24/18 15:12	
Bromodichloromethane	1.00 U	1.00	0.200	1	04/24/18 15:12	
Bromoform	1.00 U	1.00	0.200	1	04/24/18 15:12	
Bromomethane	1.00 U	1.00	0.440	1	04/24/18 15:12	
Carbon Tetrachloride	1.00 U	1.00	0.200	1	04/24/18 15:12	
Chlorobenzene	1.00 U	1.00	0.200	1	04/24/18 15:12	
Chloroethane	1.00 U	1.00	0.240	1	04/24/18 15:12	
Chloroform	1.00 U	1.00	0.200	1	04/24/18 15:12	
Chloromethane	1.00 U	1.00	0.200	1	04/24/18 15:12	
Chlorodibromomethane	1.00 U	1.00	0.200	1	04/24/18 15:12	
Methylene Chloride	1.00 U	1.00	0.200	1	04/24/18 15:12	
Ethylbenzene	1.00 U	1.00	0.200	1	04/24/18 15:12	
Tetrachloroethene (PCE)	1.00 U	1.00	0.200	1	04/24/18 15:12	
Toluene	1.00 U	1.00	0.200	1	04/24/18 15:12	
Trichloroethene (TCE)	0.388 J	1.00	0.200	1	04/24/18 15:12	
Trichlorofluoromethane (CFC 11)	0.205 J	1.00	0.200	1	04/24/18 15:12	
Vinyl Chloride	34.9	1.00	0.200	1	04/24/18 15:12	
cis-1,3-Dichloropropene	1.00 U	1.00	0.200	1	04/24/18 15:12	
trans-1,3-Dichloropropene	1.00 U	1.00	0.200	1	04/24/18 15:12	
1,2-Dichloroethene, Total	24.2	2.00	-	1	04/24/18 15:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607
Date Collected: 04/18/18 12:15
Date Received: 04/20/18 17:45

Sample Name: MH No. 9-3
Lab Code: R1803607-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	81 - 127	04/24/18 15:12	
4-Bromofluorobenzene	86	79 - 123	04/24/18 15:12	
Toluene-d8	93	83 - 120	04/24/18 15:12	

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dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607
Date Collected: 04/18/18 12:15
Date Received: 04/20/18 17:45

Sample Name: TRIP BLANK
Lab Code: R1803607-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	0.200	1	04/24/18 14:50	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	0.200	1	04/24/18 14:50	
1,1,2-Trichloroethane	1.00 U	1.00	0.200	1	04/24/18 14:50	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	0.210	1	04/24/18 14:50	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	0.200	1	04/24/18 14:50	
1,2-Dichlorobenzene	1.00 U	1.00	0.250	1	04/24/18 14:50	
1,2-Dichloroethane	1.00 U	1.00	0.200	1	04/24/18 14:50	
1,2-Dichloropropane	1.00 U	1.00	0.200	1	04/24/18 14:50	
1,3-Dichlorobenzene	1.00 U	1.00	0.220	1	04/24/18 14:50	
1,4-Dichlorobenzene	1.00 U	1.00	0.200	1	04/24/18 14:50	
2-Chloroethyl Vinyl Ether	10.0 U	10.0	0.600	1	04/24/18 14:50	
Acrolein	10.0 U	10.0	2.87	1	04/24/18 14:50	*
Acrylonitrile	10.0 U	10.0	1.74	1	04/24/18 14:50	
Benzene	1.00 U	1.00	0.200	1	04/24/18 14:50	
Bromodichloromethane	1.00 U	1.00	0.200	1	04/24/18 14:50	
Bromoform	1.00 U	1.00	0.200	1	04/24/18 14:50	
Bromomethane	1.00 U	1.00	0.440	1	04/24/18 14:50	
Carbon Tetrachloride	1.00 U	1.00	0.200	1	04/24/18 14:50	
Chlorobenzene	1.00 U	1.00	0.200	1	04/24/18 14:50	
Chloroethane	1.00 U	1.00	0.240	1	04/24/18 14:50	
Chloroform	1.00 U	1.00	0.200	1	04/24/18 14:50	
Chloromethane	1.00 U	1.00	0.200	1	04/24/18 14:50	
Chlorodibromomethane	1.00 U	1.00	0.200	1	04/24/18 14:50	
Methylene Chloride	1.00 U	1.00	0.200	1	04/24/18 14:50	
Ethylbenzene	1.00 U	1.00	0.200	1	04/24/18 14:50	
Tetrachloroethene (PCE)	1.00 U	1.00	0.200	1	04/24/18 14:50	
Toluene	1.00 U	1.00	0.200	1	04/24/18 14:50	
Trichloroethene (TCE)	1.00 U	1.00	0.200	1	04/24/18 14:50	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	0.200	1	04/24/18 14:50	
Vinyl Chloride	1.00 U	1.00	0.200	1	04/24/18 14:50	
cis-1,3-Dichloropropene	1.00 U	1.00	0.200	1	04/24/18 14:50	
trans-1,3-Dichloropropene	1.00 U	1.00	0.200	1	04/24/18 14:50	
1,2-Dichloroethene, Total	2.00 U	2.00	-	1	04/24/18 14:50	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607
Date Collected: 04/18/18 12:15
Date Received: 04/20/18 17:45

Sample Name: TRIP BLANK
Lab Code: R1803607-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	81 - 127	04/24/18 14:50	
4-Bromofluorobenzene	87	79 - 123	04/24/18 14:50	
Toluene-d8	93	83 - 120	04/24/18 14:50	



Metals

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water
Sample Name: MH No. 9-3
Lab Code: R1803607-001

Service Request: R1803607
Date Collected: 04/18/18 12:15
Date Received: 04/20/18 17:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Mercury, Total	1631E	1.8	ng/L	1.0	0.2	1	04/24/18 16:04	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607

SURROGATE RECOVERY SUMMARY

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Extraction Method: EPA 5030C

Sample Name	Lab Code	1,2-Dichloroethane-d4	4-Bromofluorobenzene	Toluene-d8
		81 - 127	79 - 123	83 - 120
MH No. 9-3	R1803607-001	94	86	93
TRIP BLANK	R1803607-002	94	87	93
Lab Control Sample	RQ1803975-04	93	89	94
Method Blank	RQ1803975-05	95	85	93

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1803975-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	0.200	1	04/24/18 13:34	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	0.200	1	04/24/18 13:34	
1,1,2-Trichloroethane	1.00 U	1.00	0.200	1	04/24/18 13:34	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	0.210	1	04/24/18 13:34	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	0.200	1	04/24/18 13:34	
1,2-Dichlorobenzene	1.00 U	1.00	0.250	1	04/24/18 13:34	
1,2-Dichloroethane	1.00 U	1.00	0.200	1	04/24/18 13:34	
1,2-Dichloropropane	1.00 U	1.00	0.200	1	04/24/18 13:34	
1,3-Dichlorobenzene	1.00 U	1.00	0.220	1	04/24/18 13:34	
1,4-Dichlorobenzene	1.00 U	1.00	0.200	1	04/24/18 13:34	
2-Chloroethyl Vinyl Ether	10.0 U	10.0	0.600	1	04/24/18 13:34	
Acrolein	10.0 U	10.0	2.87	1	04/24/18 13:34	
Acrylonitrile	10.0 U	10.0	1.74	1	04/24/18 13:34	
Benzene	1.00 U	1.00	0.200	1	04/24/18 13:34	
Bromodichloromethane	1.00 U	1.00	0.200	1	04/24/18 13:34	
Bromoform	1.00 U	1.00	0.200	1	04/24/18 13:34	
Bromomethane	1.00 U	1.00	0.440	1	04/24/18 13:34	
Carbon Tetrachloride	1.00 U	1.00	0.200	1	04/24/18 13:34	
Chlorobenzene	1.00 U	1.00	0.200	1	04/24/18 13:34	
Chloroethane	1.00 U	1.00	0.240	1	04/24/18 13:34	
Chloroform	1.00 U	1.00	0.200	1	04/24/18 13:34	
Chloromethane	1.00 U	1.00	0.200	1	04/24/18 13:34	
Chlorodibromomethane	1.00 U	1.00	0.200	1	04/24/18 13:34	
Methylene Chloride	1.00 U	1.00	0.200	1	04/24/18 13:34	
Ethylbenzene	1.00 U	1.00	0.200	1	04/24/18 13:34	
Tetrachloroethene (PCE)	1.00 U	1.00	0.200	1	04/24/18 13:34	
Toluene	1.00 U	1.00	0.200	1	04/24/18 13:34	
Trichloroethene (TCE)	1.00 U	1.00	0.200	1	04/24/18 13:34	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	0.200	1	04/24/18 13:34	
Vinyl Chloride	1.00 U	1.00	0.200	1	04/24/18 13:34	
cis-1,3-Dichloropropene	1.00 U	1.00	0.200	1	04/24/18 13:34	
trans-1,3-Dichloropropene	1.00 U	1.00	0.200	1	04/24/18 13:34	
1,2-Dichloroethene, Total	2.00 U	2.00	-	1	04/24/18 13:34	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1803975-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	95	81 - 127	04/24/18 13:34	
4-Bromofluorobenzene	85	79 - 123	04/24/18 13:34	
Toluene-d8	93	83 - 120	04/24/18 13:34	

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QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607
Date Analyzed: 04/24/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1803975-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	624.1	19.6	20.0	98	52-162
1,1,2,2-Tetrachloroethane	624.1	22.0	20.0	110	46-157
1,1,2-Trichloroethane	624.1	19.9	20.0	100	52-150
1,1-Dichloroethane (1,1-DCA)	624.1	20.0	20.0	100	59-155
1,1-Dichloroethene (1,1-DCE)	624.1	20.0	20.0	100	10-234
1,2-Dichlorobenzene	624.1	19.8	20.0	99	18-190
1,2-Dichloroethane	624.1	19.5	20.0	98	49-155
1,2-Dichloropropane	624.1	20.0	20.0	100	10-210
1,3-Dichlorobenzene	624.1	20.0	20.0	100	59-156
1,4-Dichlorobenzene	624.1	19.6	20.0	98	18-190
2-Chloroethyl Vinyl Ether	624.1	14.6	20.0	73	10-305
Acrolein	624.1	32.5	40.0	81	10-186
Acrylonitrile	624.1	99.9	100	100	70-130
Benzene	624.1	20.1	20.0	101	37-151
Bromodichloromethane	624.1	19.0	20.0	95	35-155
Bromoform	624.1	18.9	20.0	95	45-169
Bromomethane	624.1	12.8	20.0	64	10-242
Carbon Tetrachloride	624.1	19.6	20.0	98	70-140
Chlorobenzene	624.1	19.4	20.0	97	37-160
Chloroethane	624.1	17.1	20.0	86	14-230
Chloroform	624.1	19.9	20.0	99	51-138
Chloromethane	624.1	19.5	20.0	98	10-273
Chlorodibromomethane	624.1	19.6	20.0	98	53-149
Methylene Chloride	624.1	18.9	20.0	95	10-221
Ethylbenzene	624.1	19.9	20.0	100	37-162
Tetrachloroethene (PCE)	624.1	20.2	20.0	101	64-148
Toluene	624.1	20.2	20.0	101	47-150
Trichloroethene (TCE)	624.1	18.6	20.0	93	71-157
Trichlorofluoromethane (CFC 11)	624.1	20.4	20.0	102	17-181
Vinyl Chloride	624.1	21.2	20.0	106	10-251
cis-1,3-Dichloropropene	624.1	19.8	20.0	99	10-227
trans-1,3-Dichloropropene	624.1	20.0	20.0	100	17-183



Metals

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1803607-MB

Service Request: R1803607
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Mercury, Total	1631E	1.0 U	ng/L	1.0	0.2	1	04/24/18 15:48	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield, NY/631236330
Sample Matrix: Water

Service Request: R1803607
Date Analyzed: 04/24/18

Lab Control Sample Summary
Inorganic Parameters

Units:ng/L**Basis:**NA**Lab Control Sample**

R1803607-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Mercury, Total	1631E	4.73	5.0	95	77-128



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December 5, 2018

Ms. Elizabeth Lesold
Niagara County Sewer District No. 1
7346 Liberty Drive
Niagara Falls, NY 14304-3762

**Subject: *Niagara County Sewer District Discharge Monitoring
Semiannual Analytical Results
Permit No. 16-07
Textron Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Sample Dates: October 29–30, 2018***

Dear Ms. Lesold:

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. 16-07. 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. 16-07 and the April 20, 2017 addendum to Permit No. 16-07.

Aptim Environmental & Infrastructure, Inc. (APTIM), on behalf of Textron, collected grab samples of the discharge from Extraction Well EW-6 between October 29 and 30, 2018 in accordance with NCSD Permit No. 16-07. The field sampling sheets are included as Appendix A. The samples were kept on ice and hand delivered to the ALS Environmental laboratory in Rochester, New York, for analysis of volatile organic compounds via U.S. Environmental Protection Agency Method 624.

Table 1 contains a summary of the semiannual discharge monitoring 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 permits and discharge requirements. The analytical results for the October 2018 sampling event are provided in Appendix B.

Approximately 6,432,049 gallons of groundwater were extracted by the off-site system and discharged to the NCSD sanitary sewer between May 1, 2018 and November 1, 2018 as calculated through the sum of the individual well totalizers. The monthly discharge flow volumes are detailed on Tables 2 through 7. The

Off-Site Extraction System was off line due to an issue with the backup battery module from May 15 through June 4, 2018. No discharge occurred during this time period. The battery backup unit was replaced on June 4, 2018 and the system was brought back online without incident.

Please do not hesitate to contact me at 412.858.3977 should you have any questions regarding this project.

Sincerely,



Cecelia Byers

Project Manager

Telephone: 412.858.3977

E-Mail Address: cecelia.byers@aptim.com

CB:lmk

Attachments: Tables

Appendix A – Field Sampling Sheets

Appendix B – Analytical Report

cc: Greg Simpson – Textron, e-copy

APTIM – File

Table 1
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 16-07
October 29-30, 2018
Sample ID: MH No. 9-3

Parameter via USEPA Method 624	Reported Concentration (µg/L)	Total Flow (gallons per day) ⁽¹⁾	Discharge Loading Pounds per Day ⁽²⁾	Maximum Daily Discharge Loading Limits
Trichloroethene	0.370	35,146	0.000108519	1.0
1,2-Dichloroethene (Total)	2.17	35,146	0.000636447	2.500
Vinyl Chloride	< 1.0	35,146	< 0.000293293	0.4000
Methylene Chloride	< 1.0	35,146	< 0.000293293	0.2

Notes:

Total Flow Limit: 200,000 gallons per day (gpd).

< - Not detected at indicated method detection limit.

For calculation purposes, "Not Detected" values are assigned the value of the method detection 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 8.3×10^{-9}

Table 2
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 16-07
May 1-May 31, 2018
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)
05/01/18 11:11	12,217	19,450	10,097	0	41,764
05/02/18 08:03	10,508	17,490	138	0	28,136
05/03/18 08:03	12,011	20,218	0	0	32,229
05/04/18 08:03	11,954	20,156	0	0	32,110
05/05/18 08:03	11,913	20,099	0	0	32,012
05/06/18 08:03	11,793	19,932	0	0	31,725
05/07/18 08:03	11,682	19,951	0	0	31,633
05/08/18 08:03	11,596	19,877	0	0	31,473
05/09/18 08:03	11,520	19,739	0	0	31,259
05/10/18 08:03	11,443	19,654	0	0	31,097
05/11/18 08:03	11,337	19,627	0	0	30,964
05/12/18 08:03	11,230	19,635	0	0	30,865
05/13/18 08:03	11,148	19,492	0	0	30,640
05/14/18 08:03	11,647	20,300	0	0	31,947
05/15/18 08:03	0	0	0	0	0
05/16/18 08:03	0	0	0	0	0
05/17/18 08:03	0	0	0	0	0
05/18/18 08:03	0	0	0	0	0
05/19/18 08:03	0	0	0	0	0
05/20/18 08:03	0	0	0	0	0
05/21/18 08:03	0	0	0	0	0
05/22/18 08:03	0	0	0	0	0
05/23/18 08:03	0	0	0	0	0
05/24/18 08:03	0	0	0	0	0
05/25/18 08:03	0	0	0	0	0
05/26/18 08:03	0	0	0	0	0
05/27/18 08:03	0	0	0	0	0
05/28/18 08:03	0	0	0	0	0
05/29/18 08:03	0	0	0	0	0
05/30/18 08:03	0	0	0	0	0
05/31/18 08:03	0	0	0	0	0

Total Flow for May (gallons):	447,854
Maximum Daily Flow for May (gallons/day):	41,764
Average Daily Flow for May (gallons/day):	14,447

Battery backup unit failed after lightening storm; unit replaced on June 4, 2018.

Table 3
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 16-07
June 1-June 30, 2018
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)
06/01/18 08:03	0	0	0	0	0
06/02/18 08:03	0	0	0	0	0
06/03/18 08:03	0	0	0	0	0
06/04/18 08:03	0	0	0	0	0
06/05/18 08:03	11,647	18,446	10,644	0	40,737
06/06/18 08:03	12,290	20,925	10,783	0	43,998
06/07/18 08:03	13,282	22,322	11,329	0	46,933
06/08/18 08:03	13,297	22,173	11,108	0	46,578
06/09/18 08:03	13,323	22,151	10,847	0	46,321
06/10/18 08:03	13,262	22,007	10,565	0	45,834
06/11/18 08:03	13,157	22,019	10,291	0	45,467
06/12/18 08:03	13,018	21,844	10,120	0	44,982
06/13/18 08:03	12,944	21,734	10,031	0	44,709
06/14/18 08:03	12,868	21,615	9,950	0	44,433
06/15/18 08:03	12,896	21,907	10,116	0	44,919
06/16/18 08:03	12,336	21,308	9,845	0	43,489
06/17/18 08:03	12,329	21,641	10,074	0	44,044
06/18/18 08:03	12,106	21,700	10,277	0	44,083
06/19/18 08:03	11,811	21,589	10,447	0	43,847
06/20/18 08:03	11,479	21,438	11,197	0	44,114
06/21/18 08:03	11,454	21,546	10,718	0	43,718
06/22/18 08:03	11,090	21,511	11,304	0	43,905
06/23/18 08:03	10,780	21,463	11,375	0	43,618
06/24/18 08:03	10,536	21,724	11,580	0	43,840
06/25/18 08:03	9,895	21,149	11,267	0	42,311
06/26/18 08:03	9,769	21,360	11,223	0	42,352
06/27/18 08:03	9,606	21,365	11,176	0	42,147
06/28/18 08:03	9,535	21,280	11,397	0	42,212
06/29/18 08:03	9,438	21,304	11,677	0	42,419
06/30/18 08:03	9,278	21,308	11,731	0	42,317

Total Flow for June (gallons):	1,143,327
Maximum Daily Flow for June (gallons/day):	46,933
Average Daily Flow for June (gallons/day):	38,111

Table 4
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 16-07
July 1-July 31, 2018
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)
07/01/18 08:03	9,086	21,223	11,628	0	41,937
07/02/18 08:03	8,960	21,177	11,353	0	41,490
07/03/18 08:03	8,973	21,124	11,242	0	41,339
07/04/18 08:03	8,945	21,021	11,169	0	41,135
07/05/18 08:03	8,911	20,996	11,067	0	40,974
07/06/18 08:03	8,883	21,036	10,982	0	40,901
07/07/18 08:03	8,840	20,931	10,871	0	40,642
07/08/18 08:03	8,796	20,898	10,883	0	40,577
07/09/18 08:03	8,736	20,935	10,784	0	40,455
07/10/18 08:03	8,691	20,916	10,669	0	40,276
07/11/18 08:03	8,663	20,902	10,703	0	40,268
07/12/18 08:03	8,755	21,252	11,043	0	41,050
07/13/18 08:03	8,466	20,700	10,603	0	39,769
07/14/18 08:03	8,520	20,976	10,664	0	40,160
07/15/18 08:03	8,446	20,945	10,589	0	39,980
07/16/18 08:03	8,404	20,958	10,583	0	39,945
07/17/18 08:03	8,378	20,999	10,666	0	40,043
07/18/18 08:03	8,520	21,019	11,096	0	40,635
07/19/18 08:03	8,644	20,991	11,587	0	41,222
07/20/18 08:03	8,650	20,920	11,965	0	41,535
07/21/18 08:03	8,715	21,227	12,380	0	42,322
07/22/18 08:03	8,531	20,706	12,216	0	41,453
07/23/18 08:03	8,735	21,050	12,854	0	42,639
07/24/18 08:03	8,739	21,076	12,877	0	42,692
07/25/18 08:03	8,781	21,113	13,301	0	43,195
07/26/18 08:03	8,800	21,114	13,536	0	43,450
07/27/18 08:03	8,730	21,100	13,304	0	43,134
07/28/18 08:03	8,651	21,031	13,163	0	42,845
07/29/18 08:03	8,640	21,038	13,109	0	42,787
07/30/18 08:03	8,655	21,039	13,174	0	42,868
07/31/18 08:03	8,650	21,001	12,955	0	42,606

Total Flow for July (gallons):	1,284,324
Maximum Daily Flow for July (gallons/day):	43,450
Average Daily Flow for July (gallons/day):	41,430

Table 5
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 16-07
August 1-August 30, 2018
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)
08/01/18 08:03	8,617	20,983	12,818	0	42,418
08/02/18 08:03	8,583	20,966	12,490	0	42,039
08/03/18 08:03	8,575	20,949	12,173	0	41,697
08/04/18 08:03	8,560	20,937	12,061	0	41,558
08/05/18 08:03	8,544	21,088	12,052	0	41,684
08/06/18 08:03	8,527	21,017	11,799	0	41,343
08/07/18 08:03	8,532	21,035	11,536	0	41,103
08/08/18 08:03	8,541	21,044	11,876	0	41,461
08/09/18 08:03	8,546	21,018	12,096	0	41,660
08/10/18 08:03	8,539	20,996	11,957	0	41,492
08/11/18 08:03	8,518	20,935	11,716	0	41,169
08/12/18 08:03	8,505	20,906	11,425	0	40,836
08/13/18 08:03	8,517	20,859	11,189	0	40,565
08/14/18 08:03	8,479	20,851	11,013	0	40,343
08/15/18 08:03	8,471	20,800	10,846	0	40,117
08/16/18 08:03	8,457	20,805	10,695	0	39,957
08/17/18 08:03	8,436	20,784	10,604	0	39,824
08/18/18 08:03	8,455	20,738	10,754	0	39,947
08/19/18 08:03	8,587	20,835	12,500	0	41,922
08/20/18 08:03	8,627	20,764	12,345	0	41,736
08/21/18 08:03	8,605	20,849	12,046	0	41,500
08/22/18 08:03	8,646	20,913	12,550	0	42,109
08/23/18 08:03	8,677	20,892	12,690	0	42,259
08/24/18 08:03	8,629	20,906	12,253	0	41,788
08/25/18 08:03	8,698	21,208	12,083	0	41,989
08/26/18 08:03	8,417	20,492	11,433	0	40,342
08/27/18 08:03	8,458	20,623	11,315	0	40,396
08/28/18 08:03	8,360	20,727	11,184	0	40,271
08/29/18 08:03	8,279	20,745	11,220	0	40,244
08/30/18 08:03	8,207	20,738	11,104	0	40,049
08/31/18 08:03	8,135	20,598	11,130	0	39,863

Total Flow for August (gallons):	1,273,681
Maximum Daily Flow for August (gallons/day):	42,418
Average Daily Flow for August (gallons/day):	41,086

Table 6
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 16-07
September 1-September 30, 2018
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)
09/01/18 08:03	8,141	20,756	11,250	0	40,147
09/02/18 08:03	7,869	20,212	10,669	0	38,750
09/03/18 08:03	7,917	20,450	10,572	0	38,939
09/04/18 08:03	7,926	20,349	10,388	0	38,663
09/05/18 08:03	7,938	20,255	10,246	0	38,439
09/06/18 08:03	8,070	20,329	10,173	0	38,572
09/07/18 08:03	8,086	20,291	10,051	0	38,428
09/08/18 08:03	8,082	20,199	9,917	0	38,198
09/09/18 08:03	8,060	20,215	9,817	0	38,092
09/10/18 08:03	8,038	20,238	9,752	0	38,028
09/11/18 08:03	8,117	20,280	10,561	0	38,958
09/12/18 08:03	8,235	20,394	10,773	0	39,402
09/13/18 08:03	8,003	19,711	10,330	0	38,044
09/14/18 08:03	8,193	19,992	10,481	0	38,666
09/15/18 08:03	7,951	19,554	10,060	0	37,565
09/16/18 08:03	8,008	19,830	10,048	0	37,886
09/17/18 08:03	7,893	19,831	9,892	0	37,616
09/18/18 08:03	7,745	19,882	9,873	0	37,500
09/19/18 08:03	7,646	20,020	9,958	0	37,624
09/20/18 08:03	7,602	20,098	10,129	0	37,829
09/21/18 08:03	7,601	20,071	10,117	0	37,789
09/22/18 08:03	7,586	19,816	9,955	0	37,357
09/23/18 08:03	7,692	19,830	9,865	0	37,387
09/24/18 08:03	7,686	20,040	9,785	0	37,511
09/25/18 08:03	7,747	20,096	9,699	0	37,542
09/26/18 08:03	7,791	20,088	10,057	0	37,936
09/27/18 08:03	7,914	20,167	10,689	0	38,770
09/28/18 08:03	7,946	20,207	10,570	0	38,723
09/29/18 08:03	7,884	20,215	10,266	0	38,365
09/30/18 08:03	7,789	20,242	10,089	0	38,120

Total Flow for September (gallons):	1,146,846
Maximum Daily Flow for September (gallons/day):	40,147
Average Daily Flow for September (gallons/day):	38,228

Table 7
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron Inc., Wheatfield, New York
Permit Number: 16-07
October 1-October 31, 2018
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)
10/01/18 08:03	7,696	20,261	9,908	0	37,865
10/02/18 08:03	7,605	20,287	9,982	0	37,874
10/03/18 08:03	7,617	20,358	10,674	0	38,649
10/04/18 08:03	7,626	20,292	10,795	0	38,713
10/05/18 08:03	7,616	20,341	10,861	0	38,818
10/06/18 08:03	7,584	20,392	10,699	0	38,675
10/07/18 08:03	7,569	20,417	11,098	0	39,084
10/08/18 08:03	7,600	20,317	10,949	0	38,866
10/09/18 08:03	7,723	20,270	10,709	0	38,702
10/10/18 08:03	7,703	20,301	10,552	0	38,556
10/11/18 08:03	7,599	20,302	10,384	0	38,285
10/12/18 08:03	7,622	20,219	10,161	0	38,002
10/13/18 08:03	7,613	20,147	9,943	0	37,703
10/14/18 08:03	7,608	20,102	9,794	0	37,504
10/15/18 08:03	7,565	19,082	9,657	0	36,304
10/16/18 08:03	7,635	18,963	9,663	0	36,261
10/17/18 08:03	7,424	18,464	9,375	0	35,263
10/18/18 08:03	7,498	18,712	9,406	0	35,616
10/19/18 08:03	7,498	18,648	9,300	0	35,446
10/20/18 08:03	7,491	18,728	9,280	0	35,499
10/21/18 08:03	7,456	18,692	9,294	0	35,442
10/22/18 08:03	7,438	18,617	9,263	0	35,318
10/23/18 08:03	7,428	18,288	9,161	0	34,877
10/24/18 08:03	7,414	18,315	9,095	0	34,824
10/25/18 08:03	7,411	18,214	9,081	0	34,706
10/26/18 08:03	7,462	18,204	9,057	0	34,723
10/27/18 08:03	7,470	18,202	8,978	0	34,650
10/28/18 08:03	7,475	18,166	9,100	0	34,741
10/29/18 08:03	7,449	18,166	9,457	0	35,072
10/30/18 08:03	7,407	18,254	9,485	0	35,146
10/31/18 08:03	7,381	18,155	9,297	0	34,833

Total Flow for October (gallons):	1,136,017
Maximum Daily Flow for October (gallons/day):	39,084
Average Daily Flow for October (gallons/day):	36,646

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: 631236330

NCSD Permit Number: 16-07

Sample Location: EW- 6

Date: 10-29-18

Time: 1000

Field Personnel: K. Cronin

Physical Condition of Location: GOOD

Ambient Temperature: 43°F

Wind: 10-15 mph

Precipitation: SHOWERS

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3

Sample Description: CLEAR

Analysis Requested: 624

Totalizer: _____

Notes: _____

Sampler Signature: K. Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

NCSD Permit Number: 16-07

Sample Location: EW- 6

Date: 10-29-18

Time: 1815

Field Personnel: CROWN

Physical Condition of Location: GOOD

Ambient Temperature: 42°F

Wind: 15-20 MPH

Precipitation: occ showers

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3

Sample Description: CLEAR

Analysis Requested: 624

Totalizer: _____

Notes: _____

Sampler Signature: Kim Cross

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

NCSD Permit Number: 16-07

Sample Location: EW- 6

Date: 10/30/2020

Time: 0230

Field Personnel: CLONIN

Physical Condition of Location: GOOD

Ambient Temperature: 39°F

Wind: 5-10 MPH

Precipitation: CLEAR

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3

Sample Description: CLEAR

Analysis Requested: 624

Totalizer: _____

Notes: _____

Sampler Signature: Kevin Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility

Project Number: 631236330

NCSD Permit Number: 16-07

Sample Location: EW- 6

Date: 10/30/2018

Time: 1055

Field Personnel: CROWIN - URBAN

Physical Condition of Location: GOOD

Ambient Temperature: 45°F

Wind: LIGHT

Precipitation: NONE

Sampling Method: Dedicated Poly Bailer

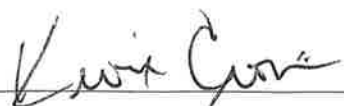
Sample Number: MH No. 9-3

Sample Description: CLEAR

Analysis Requested: 624

Totalizer: _____

Notes: _____

Sampler Signature: 

Appendix B

Analytical Report



November 30, 2018

Service Request No:R1810574

Ms. Cecelia Byers
APTIM, Inc
2790 Mosside Boulevard
Monroeville, PA 15146

Laboratory Results for: Textron Wheatfield

Dear Ms.Byers,

Enclosed are the results of the sample(s) submitted to our laboratory October 31, 2018
For your reference, these analyses have been assigned our service request number **R1810574**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: APTIM, Inc
Project: Textron Wheatfield
Sample Matrix: Water

Service Request: R1810574
Date Received: 10/31/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Two water samples were received for analysis at ALS Environmental on 10/31/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Volatiles by GC/MS:

Method 624, 613454: Sample(-002) received in laboratory out of hold and therefore analyzed out of hold and with pH>2.

Please note: This report has been revised to report Total 1,2-Dichloroethene.

A handwritten signature in black ink, appearing to read "Samanta".

Approved by _____

Date 11/06/2018

SAMPLE DETECTION SUMMARY**CLIENT ID: MH No, 9-3****Lab ID: R1810574-001**

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1,1-Trichloroethane (TCA)	0.340	J	0.250	1.00	ug/L	624.1
1,1-Dichloroethane (1,1-DCA)	0.650	J	0.200	1.00	ug/L	624.1
Trichloroethene (TCE)	0.370	J	0.200	1.00	ug/L	624.1
1,2-Dichloroethene, Total	2.17		0.350	2.00	ug/L	624.1



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield/631236330

Service Request:R1810574

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1810574-001	MH No, 9-3	10/30/2018	1055
R1810574-002	Trip blank	10/24/2018	0620



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48380

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name TEXTKON WHEATFIELD NY		Project Number 631236330		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																					
Project Manager CECECIA BYERS		Report CC		PRESERVATIVE 0																					
Company/Address APTIM, INC. 500 PENN CENTER BLVD SUITE 1000 PITTSBURGH, PA 15235		Email CECECIA.BYERS@APTIM.COM		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____																					
Phone # 412-858-3977		Sample's Signature Kevin Cronin		Sample's Printed Name KEVIN CROWIN		REMARKS/ ALTERNATE DESCRIPTION																			
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE		TIME		MATRIX																	
(EW-6) MH 9-3				10/29/18		1000		GW																	
				10/30/18		0230																			
				10/30/18		0230																			
				10/30/18		1055																			
TRIP BLANK				10/24/18		0620																			
SPECIAL INSTRUCTIONS/COMMENTS Metals COMPOSITE SAMPLES INTO ONE SAMPLE REPORT AS MH No. 9-3														TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day STANDARD REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No				INVOICE INFORMATION PO # 208759 BILL TO:			
STATE WHERE SAMPLES WERE COLLECTED																									
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY											
Signature Kevin Cronin		Signature Baz Chiswick		Signature Baz Chiswick		Signature Daniel Ward		Signature Daniel Ward		Signature Daniel Ward		Signature Daniel Ward		Signature Daniel Ward											
Printed Name KEVIN CROWIN		Printed Name Baz Chiswick		Printed Name Baz Chiswick		Printed Name Daniel Ward		Printed Name Daniel Ward		Printed Name Daniel Ward		Printed Name Daniel Ward		Printed Name Daniel Ward											
Firm APTIM		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS		Firm ALS											
Date/Time 10/30/2018 1100		Date/Time 10/30/18 1100		Date/Time 10/31/18		Date/Time 10/31/18 1540		Date/Time 10/31/18 1540		Date/Time 10/31/18 1540		Date/Time 10/31/18 1540		Date/Time 10/31/18 1540											

R1810574

5

APTIM, Inc.
Texttron Wheatfield



Cooler Receipt and Preservation Check Form

R1810574

5

APTIM, Inc
Texttron WheatfieldProject/Client Testron / APTIM Folder Number _____Cooler received on 10/31/18 by: VSCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>(N)</u>
2	Custody papers properly completed (ink, signed)?	<u>(Y)</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>(Y)</u> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>(Y)</u> N

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<u>(Y)</u> N NA *
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>(NA)</u>

8. Temperature Readings Date: 10/31/18 Time: 16:20 ID: (R#7) IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.1</u>	<u>3.8</u>	<u>4.5</u>				
Correction Factor (°C)	<u>+1.0</u>	<u>+1.0</u>	<u>+0.3</u>				
Corrected Temp (°C)	<u>5.1</u>	<u>4.8</u>	<u>4.8</u>				
Temp from: Type of bottle	<u>Cond Tube</u>	<u>Cond Tube</u>	<u>VOA Vial</u>				
Within 0-6°C?	<u>(Y)</u> N	<u>(Y)</u> N	<u>(Y)</u> N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y <u>(N)</u>	Y <u>(N)</u>	Y <u>(N)</u>	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by VS on 10/31/18 at 16:20
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 10/31/18 Time: 2057 by: dlw

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO NA
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated NA

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).Bottle lot numbers: 8-059-001 8-059-001

Explain all Discrepancies/ Other Comments:

* SEE COC

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: dlwPC Secondary Review: dlw 11/1/18

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

8 of 25



Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330

Service Request: R1810574

Sample Name: MH No, 9-3
Lab Code: R1810574-001
Sample Matrix: Water

Date Collected: 10/30/18
Date Received: 10/31/18

Analysis Method
624.1

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: Trip blank
Lab Code: R1810574-002
Sample Matrix: Water

Date Collected: 10/24/18
Date Received: 10/31/18

Analysis Method
624.1

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Phone (585) 288-5380 Fax (585) 288-8475

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330
Sample Matrix: Water

Service Request: R1810574
Date Collected: 10/30/18 10:55
Date Received: 10/31/18 15:40

Sample Name: MH No, 9-3
Lab Code: R1810574-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,2-Dichloroethene, Total	2.17	2.00	0.350	1	11/01/18 12:27	
1,1,1-Trichloroethane (TCA)	0.340 J	1.00	0.250	1	11/01/18 12:27	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	0.200	1	11/01/18 12:27	
1,1,2-Trichloroethane	1.00 U	1.00	0.250	1	11/01/18 12:27	
1,1-Dichloroethane (1,1-DCA)	0.650 J	1.00	0.200	1	11/01/18 12:27	
1,2-Dichlorobenzene	1.00 U	1.00	0.200	1	11/01/18 12:27	
1,2-Dichloroethane	1.00 U	1.00	0.200	1	11/01/18 12:27	
1,3-Dichlorobenzene	1.00 U	1.00	0.200	1	11/01/18 12:27	
1,4-Dichlorobenzene	1.00 U	1.00	0.240	1	11/01/18 12:27	
2-Chloroethyl Vinyl Ether	10.0 U	10.0	0.530	1	11/01/18 12:27	
Acrolein	10.0 U	10.0	1.20	1	11/01/18 12:27	
Acrylonitrile	10.0 U	10.0	0.840	1	11/01/18 12:27	
Benzene	1.00 U	1.00	0.200	1	11/01/18 12:27	
Bromodichloromethane	1.00 U	1.00	0.310	1	11/01/18 12:27	
Bromoform	1.00 U	1.00	0.360	1	11/01/18 12:27	
Bromomethane	1.00 U	1.00	0.700	1	11/01/18 12:27	
Carbon Tetrachloride	1.00 U	1.00	0.340	1	11/01/18 12:27	
Chlorobenzene	1.00 U	1.00	0.200	1	11/01/18 12:27	
Chloroethane	1.00 U	1.00	0.230	1	11/01/18 12:27	
Chloroform	1.00 U	1.00	0.280	1	11/01/18 12:27	
Chloromethane	1.00 U	1.00	0.280	1	11/01/18 12:27	
Chlorodibromomethane	1.00 U	1.00	0.200	1	11/01/18 12:27	
Methylene Chloride	1.00 U	1.00	0.470	1	11/01/18 12:27	
Ethylbenzene	1.00 U	1.00	0.200	1	11/01/18 12:27	
Tetrachloroethene (PCE)	1.00 U	1.00	0.280	1	11/01/18 12:27	
Toluene	1.00 U	1.00	0.200	1	11/01/18 12:27	
Trichloroethene (TCE)	0.370 J	1.00	0.200	1	11/01/18 12:27	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	0.270	1	11/01/18 12:27	
Vinyl Chloride	1.00 U	1.00	0.220	1	11/01/18 12:27	
cis-1,3-Dichloropropene	1.00 U	1.00	0.300	1	11/01/18 12:27	
trans-1,3-Dichloropropene	1.00 U	1.00	0.300	1	11/01/18 12:27	

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Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330
Sample Matrix: Water

Service Request: R1810574
Date Collected: 10/30/18 10:55
Date Received: 10/31/18 15:40

Sample Name: MH No, 9-3
Lab Code: R1810574-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	73 - 125	11/01/18 12:27	
4-Bromofluorobenzene	93	85 - 122	11/01/18 12:27	
Toluene-d8	97	87 - 121	11/01/18 12:27	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330
Sample Matrix: Water

Service Request: R1810574
Date Collected: 10/24/18 06:20
Date Received: 10/31/18 15:40

Sample Name: Trip blank
Lab Code: R1810574-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,2-Dichloroethene, Total	2.00 U	2.00	0.350	1	11/01/18 12:05	*
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	0.250	1	11/01/18 12:05	*
1,1,2,2-Tetrachloroethane	1.00 U	1.00	0.200	1	11/01/18 12:05	*
1,1,2-Trichloroethane	1.00 U	1.00	0.250	1	11/01/18 12:05	*
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	0.200	1	11/01/18 12:05	*
1,2-Dichlorobenzene	1.00 U	1.00	0.200	1	11/01/18 12:05	*
1,2-Dichloroethane	1.00 U	1.00	0.200	1	11/01/18 12:05	*
1,3-Dichlorobenzene	1.00 U	1.00	0.200	1	11/01/18 12:05	*
1,4-Dichlorobenzene	1.00 U	1.00	0.240	1	11/01/18 12:05	*
2-Chloroethyl Vinyl Ether	10.0 U	10.0	0.530	1	11/01/18 12:05	*
Acrolein	10.0 U	10.0	1.20	1	11/01/18 12:05	*
Acrylonitrile	10.0 U	10.0	0.840	1	11/01/18 12:05	*
Benzene	1.00 U	1.00	0.200	1	11/01/18 12:05	*
Bromodichloromethane	1.00 U	1.00	0.310	1	11/01/18 12:05	*
Bromoform	1.00 U	1.00	0.360	1	11/01/18 12:05	*
Bromomethane	1.00 U	1.00	0.700	1	11/01/18 12:05	*
Carbon Tetrachloride	1.00 U	1.00	0.340	1	11/01/18 12:05	*
Chlorobenzene	1.00 U	1.00	0.200	1	11/01/18 12:05	*
Chloroethane	1.00 U	1.00	0.230	1	11/01/18 12:05	*
Chloroform	1.00 U	1.00	0.280	1	11/01/18 12:05	*
Chloromethane	1.00 U	1.00	0.280	1	11/01/18 12:05	*
Chlorodibromomethane	1.00 U	1.00	0.200	1	11/01/18 12:05	*
Methylene Chloride	1.00 U	1.00	0.470	1	11/01/18 12:05	*
Ethylbenzene	1.00 U	1.00	0.200	1	11/01/18 12:05	*
Tetrachloroethene (PCE)	1.00 U	1.00	0.280	1	11/01/18 12:05	*
Toluene	1.00 U	1.00	0.200	1	11/01/18 12:05	*
Trichloroethene (TCE)	1.00 U	1.00	0.200	1	11/01/18 12:05	*
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	0.270	1	11/01/18 12:05	*
Vinyl Chloride	1.00 U	1.00	0.220	1	11/01/18 12:05	*
cis-1,3-Dichloropropene	1.00 U	1.00	0.300	1	11/01/18 12:05	*
trans-1,3-Dichloropropene	1.00 U	1.00	0.300	1	11/01/18 12:05	*

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330
Sample Matrix: Water

Service Request: R1810574
Date Collected: 10/24/18 06:20
Date Received: 10/31/18 15:40

Sample Name: Trip blank
Lab Code: R1810574-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	73 - 125	11/01/18 12:05	
4-Bromofluorobenzene	95	85 - 122	11/01/18 12:05	
Toluene-d8	98	87 - 121	11/01/18 12:05	



QC Summary Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330
Sample Matrix: Water

Service Request: R1810574

SURROGATE RECOVERY SUMMARY

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1
Extraction Method: EPA 5030C

Sample Name	Lab Code	1,2-Dichloroethane-d4	4-Bromofluorobenzene	Toluene-d8
		73-125	85-122	87-121
MH No, 9-3	R1810574-001	99	93	97
Trip blank	R1810574-002	99	95	98
Lab Control Sample	RQ1812120-04	96	93	96
Method Blank	RQ1812120-05	101	96	99

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dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330
Sample Matrix: Water

Service Request: R1810574
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812120-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,2-Dichloroethene, Total	2.00 U	2.00	0.350	1	11/01/18 11:43	
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	0.250	1	11/01/18 11:43	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	0.200	1	11/01/18 11:43	
1,1,2-Trichloroethane	1.00 U	1.00	0.250	1	11/01/18 11:43	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	0.200	1	11/01/18 11:43	
1,2-Dichlorobenzene	1.00 U	1.00	0.200	1	11/01/18 11:43	
1,2-Dichloroethane	1.00 U	1.00	0.200	1	11/01/18 11:43	
1,3-Dichlorobenzene	1.00 U	1.00	0.200	1	11/01/18 11:43	
1,4-Dichlorobenzene	1.00 U	1.00	0.240	1	11/01/18 11:43	
2-Chloroethyl Vinyl Ether	10.0 U	10.0	0.530	1	11/01/18 11:43	
Acrolein	10.0 U	10.0	1.20	1	11/01/18 11:43	
Acrylonitrile	10.0 U	10.0	0.840	1	11/01/18 11:43	
Benzene	1.00 U	1.00	0.200	1	11/01/18 11:43	
Bromodichloromethane	1.00 U	1.00	0.310	1	11/01/18 11:43	
Bromoform	1.00 U	1.00	0.360	1	11/01/18 11:43	
Bromomethane	1.00 U	1.00	0.700	1	11/01/18 11:43	
Carbon Tetrachloride	1.00 U	1.00	0.340	1	11/01/18 11:43	
Chlorobenzene	1.00 U	1.00	0.200	1	11/01/18 11:43	
Chloroethane	1.00 U	1.00	0.230	1	11/01/18 11:43	
Chloroform	1.00 U	1.00	0.280	1	11/01/18 11:43	
Chloromethane	1.00 U	1.00	0.280	1	11/01/18 11:43	
Chlorodibromomethane	1.00 U	1.00	0.200	1	11/01/18 11:43	
Methylene Chloride	1.00 U	1.00	0.470	1	11/01/18 11:43	
Ethylbenzene	1.00 U	1.00	0.200	1	11/01/18 11:43	
Tetrachloroethene (PCE)	1.00 U	1.00	0.280	1	11/01/18 11:43	
Toluene	1.00 U	1.00	0.200	1	11/01/18 11:43	
Trichloroethene (TCE)	1.00 U	1.00	0.200	1	11/01/18 11:43	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	0.270	1	11/01/18 11:43	
Vinyl Chloride	1.00 U	1.00	0.220	1	11/01/18 11:43	
cis-1,3-Dichloropropene	1.00 U	1.00	0.300	1	11/01/18 11:43	
trans-1,3-Dichloropropene	1.00 U	1.00	0.300	1	11/01/18 11:43	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330
Sample Matrix: Water

Service Request: R1810574
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1812120-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624.1

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	73 - 125	11/01/18 11:43	
4-Bromofluorobenzene	96	85 - 122	11/01/18 11:43	
Toluene-d8	99	87 - 121	11/01/18 11:43	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield/631236330
Sample Matrix: Water

Service Request: R1810574
Date Analyzed: 11/01/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Units:ug/L
Basis:NA

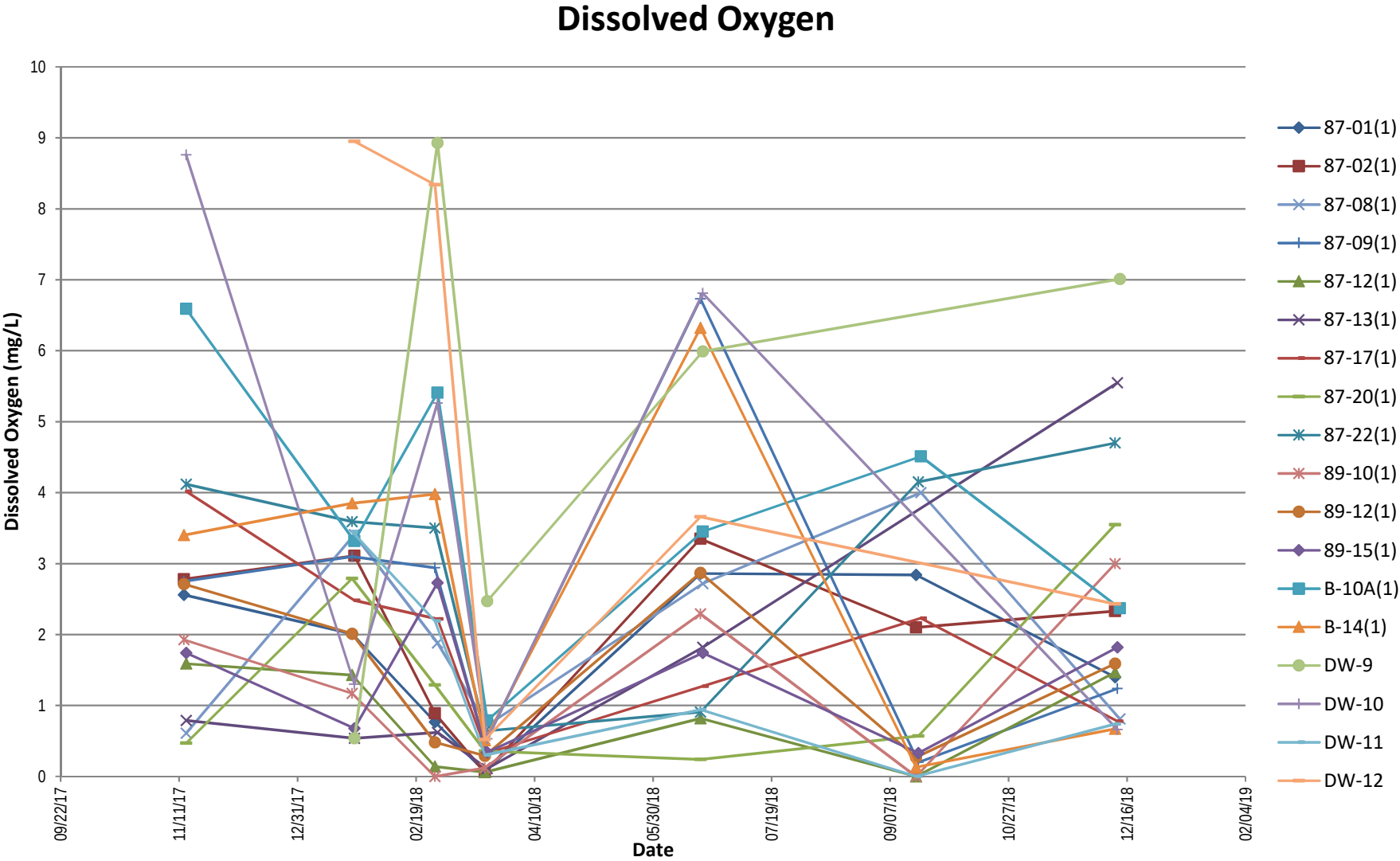
Lab Control Sample
RQ1812120-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	624.1	21.0	20.0	105	70-130
1,1,2,2-Tetrachloroethane	624.1	20.3	20.0	101	60-140
1,1,2-Trichloroethane	624.1	20.1	20.0	101	70-130
1,1-Dichloroethane (1,1-DCA)	624.1	19.8	20.0	99	70-130
1,2-Dichlorobenzene	624.1	19.6	20.0	98	65-135
1,2-Dichloroethane	624.1	20.7	20.0	103	70-130
1,3-Dichlorobenzene	624.1	19.0	20.0	95	70-130
1,4-Dichlorobenzene	624.1	18.9	20.0	94	65-135
2-Chloroethyl Vinyl Ether	624.1	1.72 J	20.0	9	1-225
Acrolein	624.1	44.1	40.0	110	60-140
Acrylonitrile	624.1	99.4	100	99	60-140
Benzene	624.1	20.2	20.0	101	65-135
Bromodichloromethane	624.1	20.2	20.0	101	65-135
Bromoform	624.1	22.2	20.0	111	70-130
Bromomethane	624.1	18.6	20.0	93	15-185
Carbon Tetrachloride	624.1	21.4	20.0	107	70-130
Chlorobenzene	624.1	19.4	20.0	97	65-135
Chloroethane	624.1	15.0	20.0	75	40-160
Chloroform	624.1	20.1	20.0	101	70-135
Chloromethane	624.1	16.3	20.0	81	1-205
Chlorodibromomethane	624.1	20.9	20.0	104	70-135
Methylene Chloride	624.1	19.6	20.0	98	60-140
Ethylbenzene	624.1	19.7	20.0	99	60-140
Tetrachloroethene (PCE)	624.1	19.9	20.0	100	70-130
Toluene	624.1	20.4	20.0	102	70-130
Trichloroethene (TCE)	624.1	20.2	20.0	101	65-135
Trichlorofluoromethane (CFC 11)	624.1	20.4	20.0	102	50-150
Vinyl Chloride	624.1	18.9	20.0	95	5-195
cis-1,3-Dichloropropene	624.1	20.9	20.0	104	25-175
trans-1,3-Dichloropropene	624.1	19.5	20.0	97	50-150

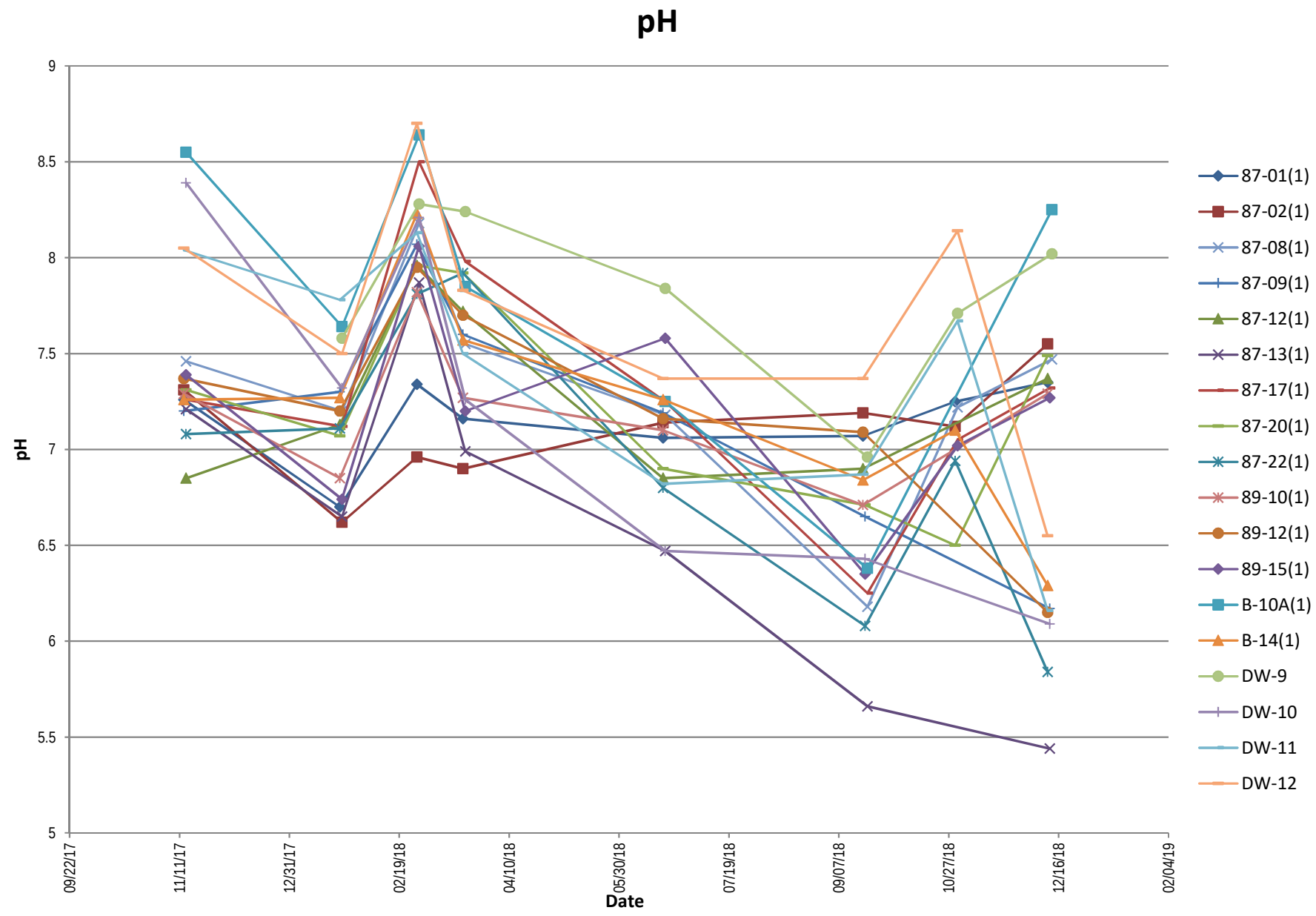
Appendix K

Graphs

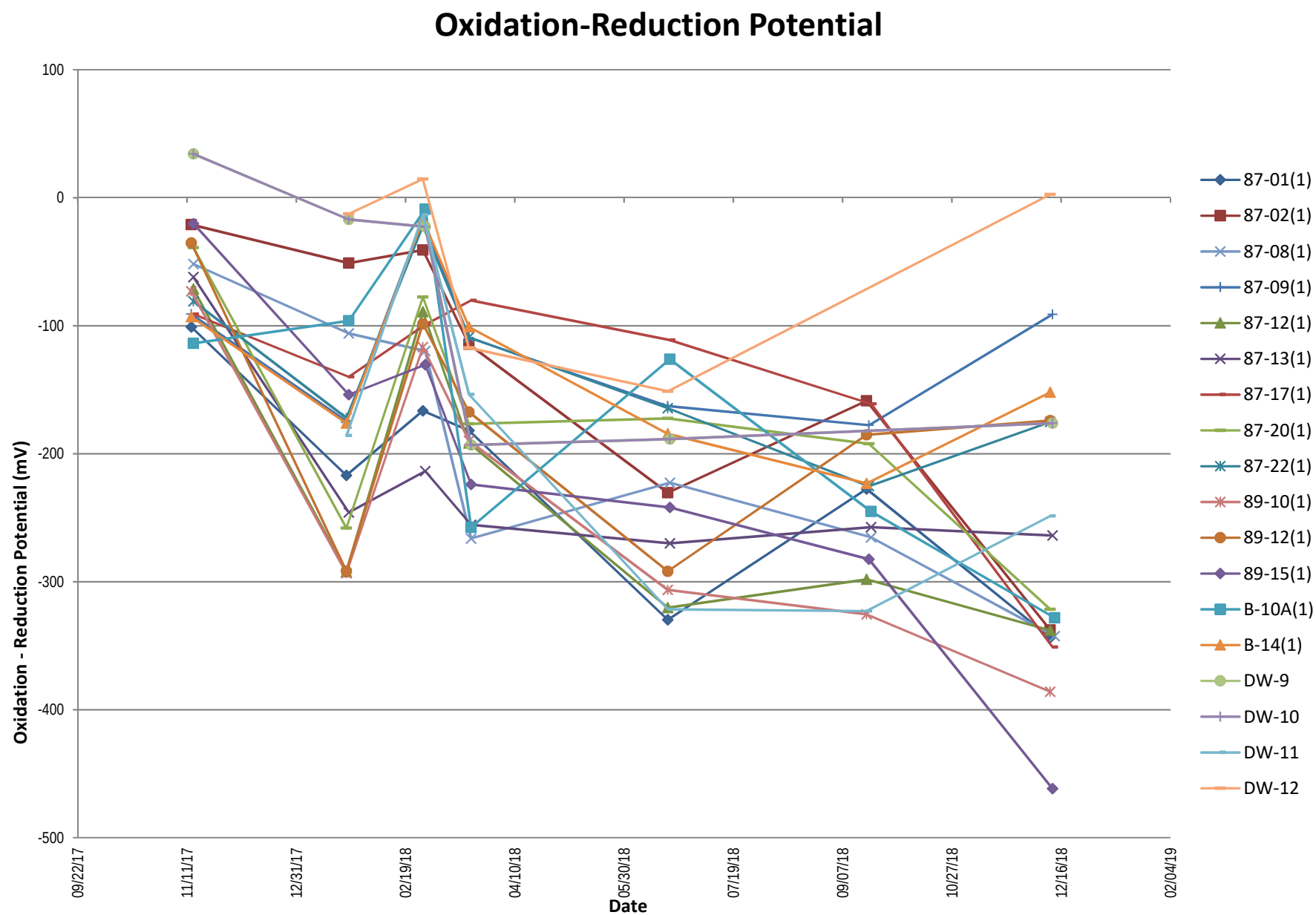
Graph 1
Dissolved Oxygen
Former Bell Aerospace Textron Wheatfield, New York



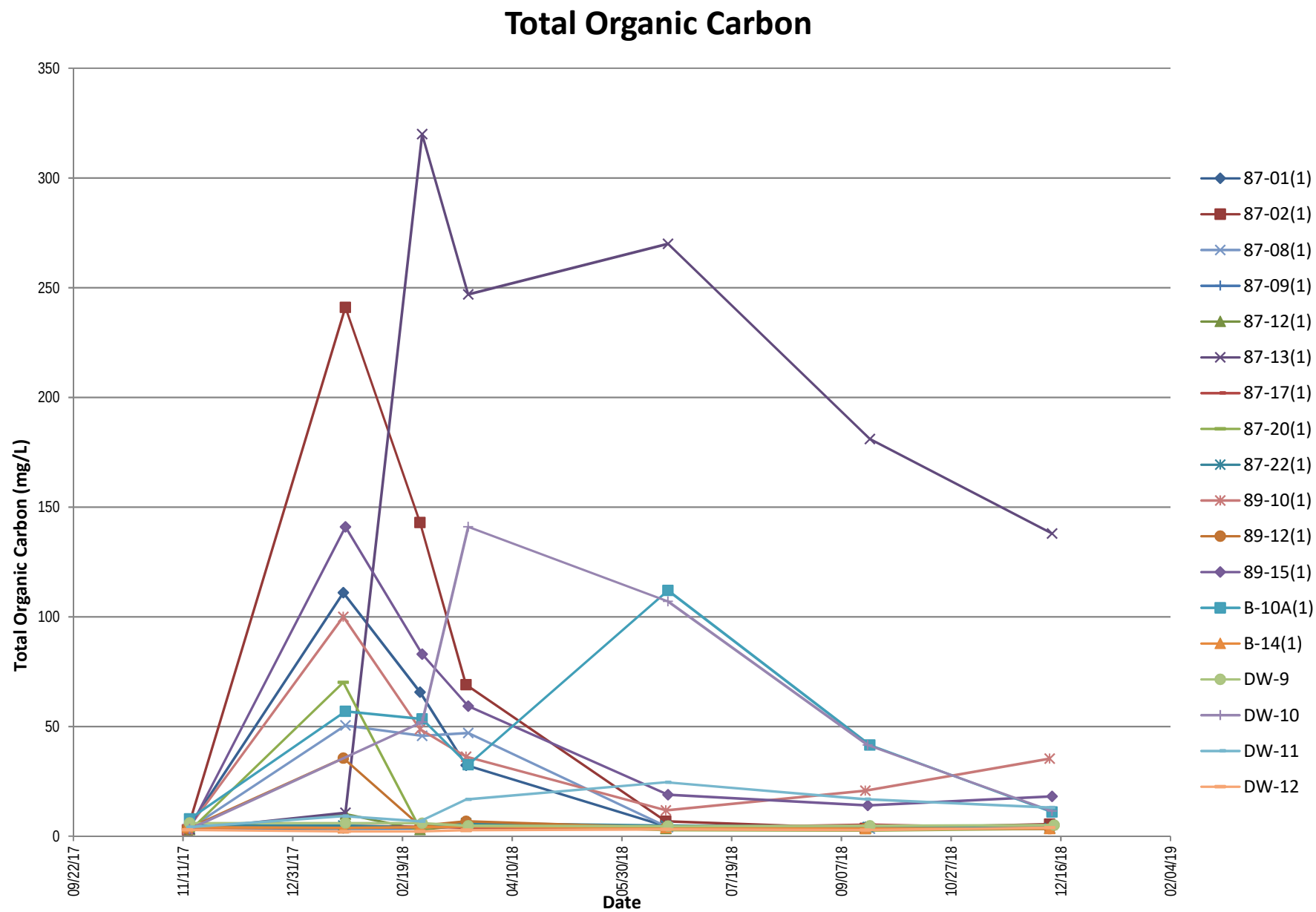
Graph 2
pH
Former Bell Aerospace Textron Wheatfield, New York



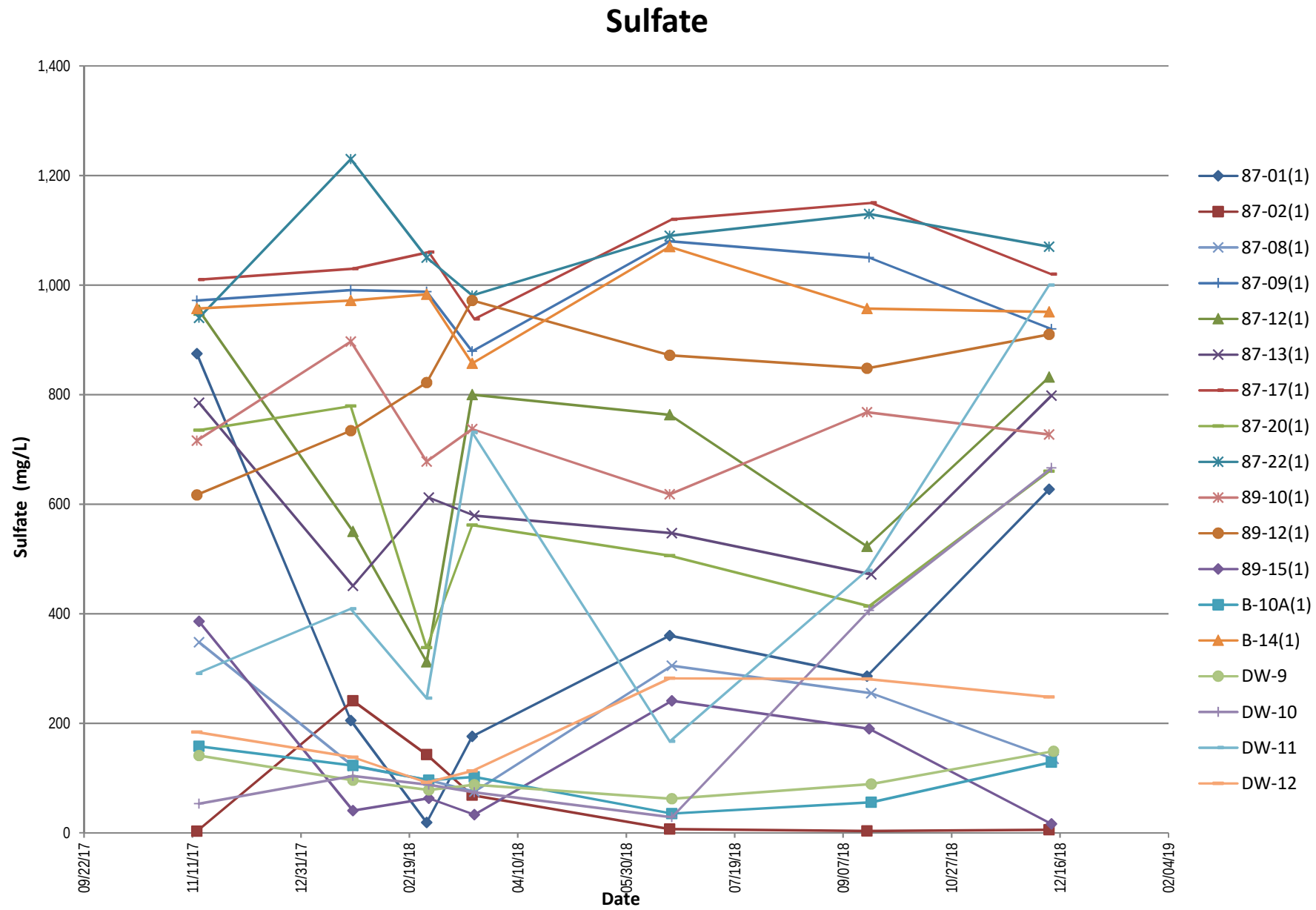
Graph 3
ORP
Former Bell Aerospace Textron Wheatfield, New York



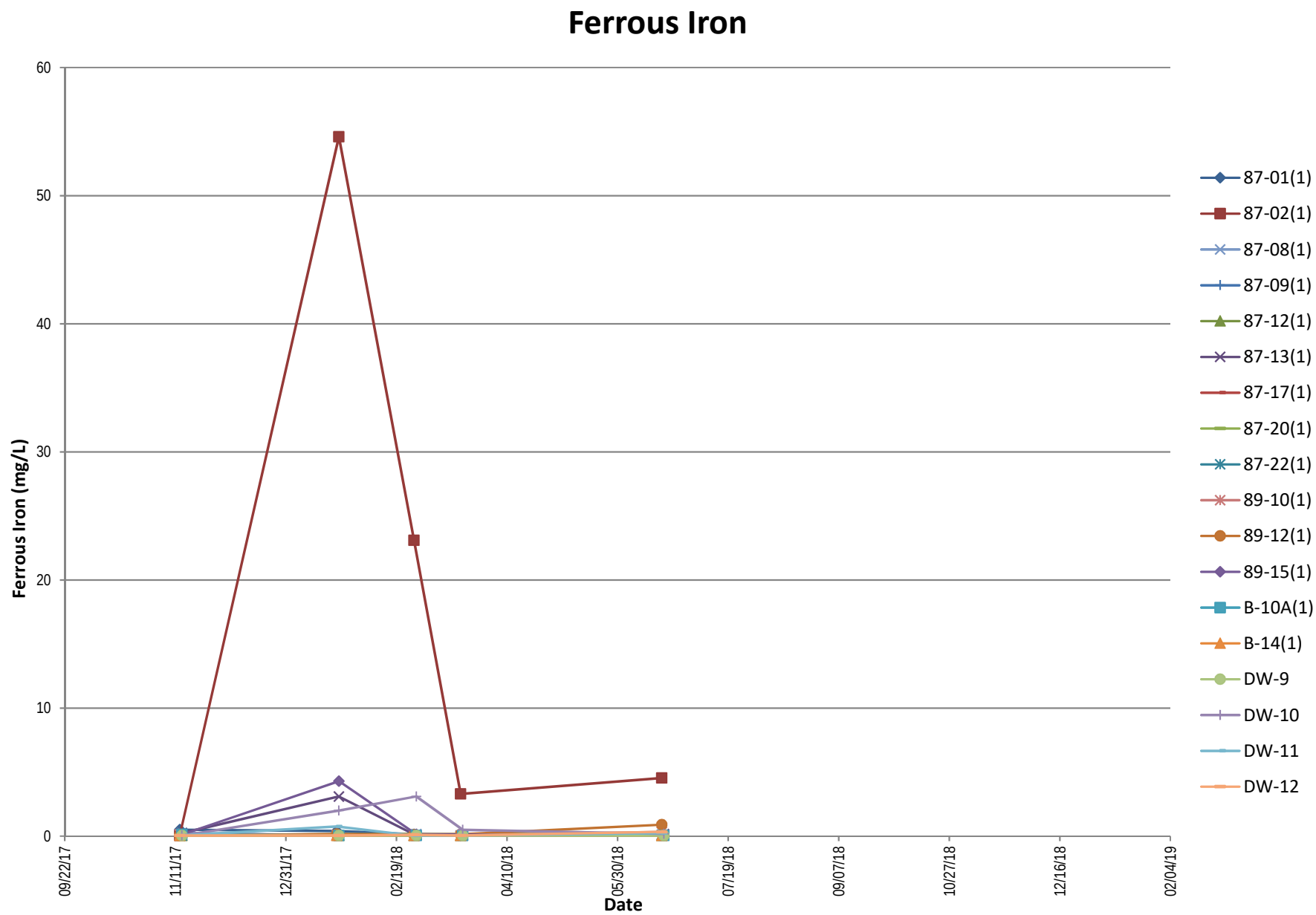
Graph 4
Total Organic Carbon
Former Bell Aerospace Textron Wheatfield, New York



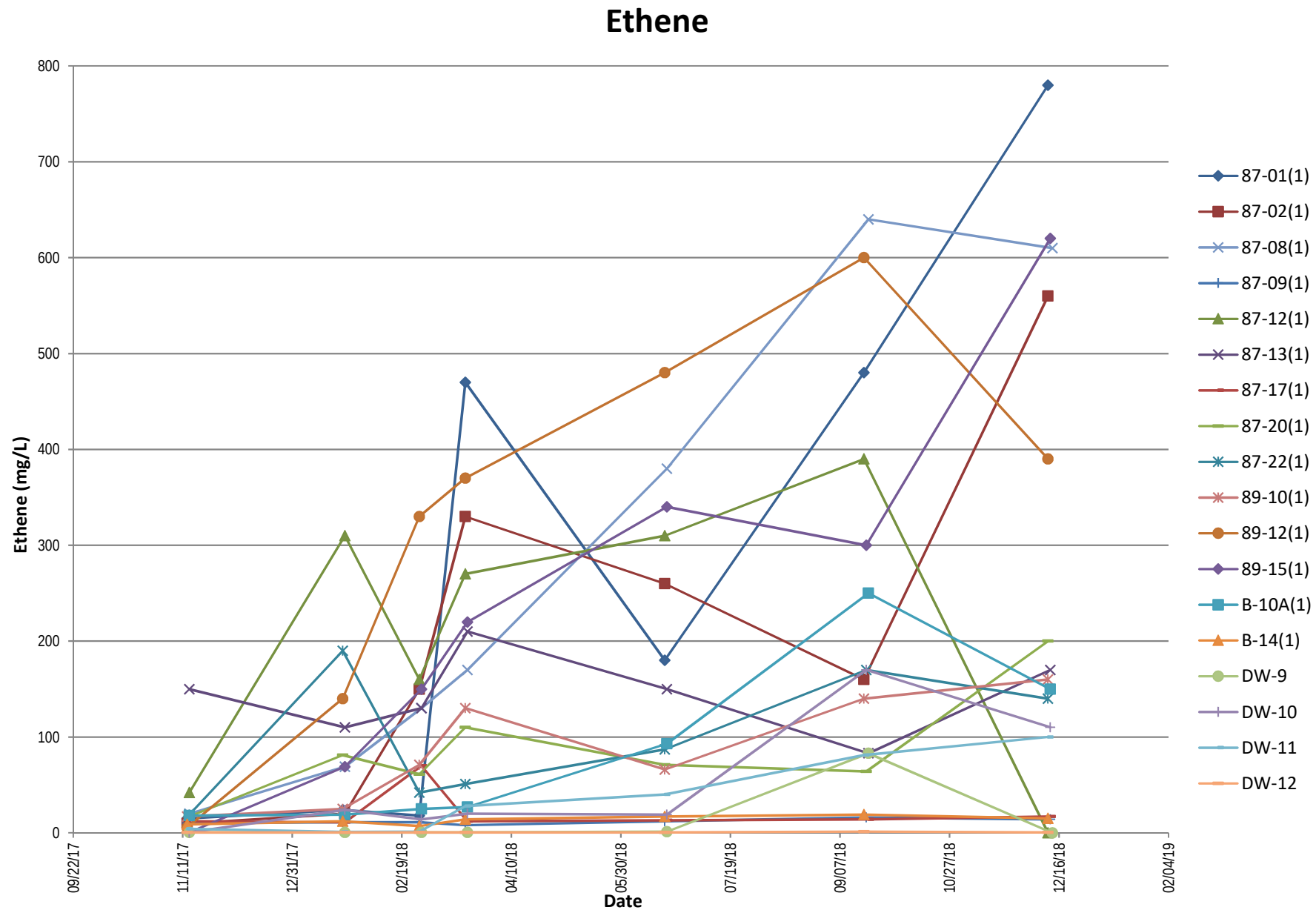
Graph 5
Sulfate
Former Bell Aerospace Textron Wheatfield, New York



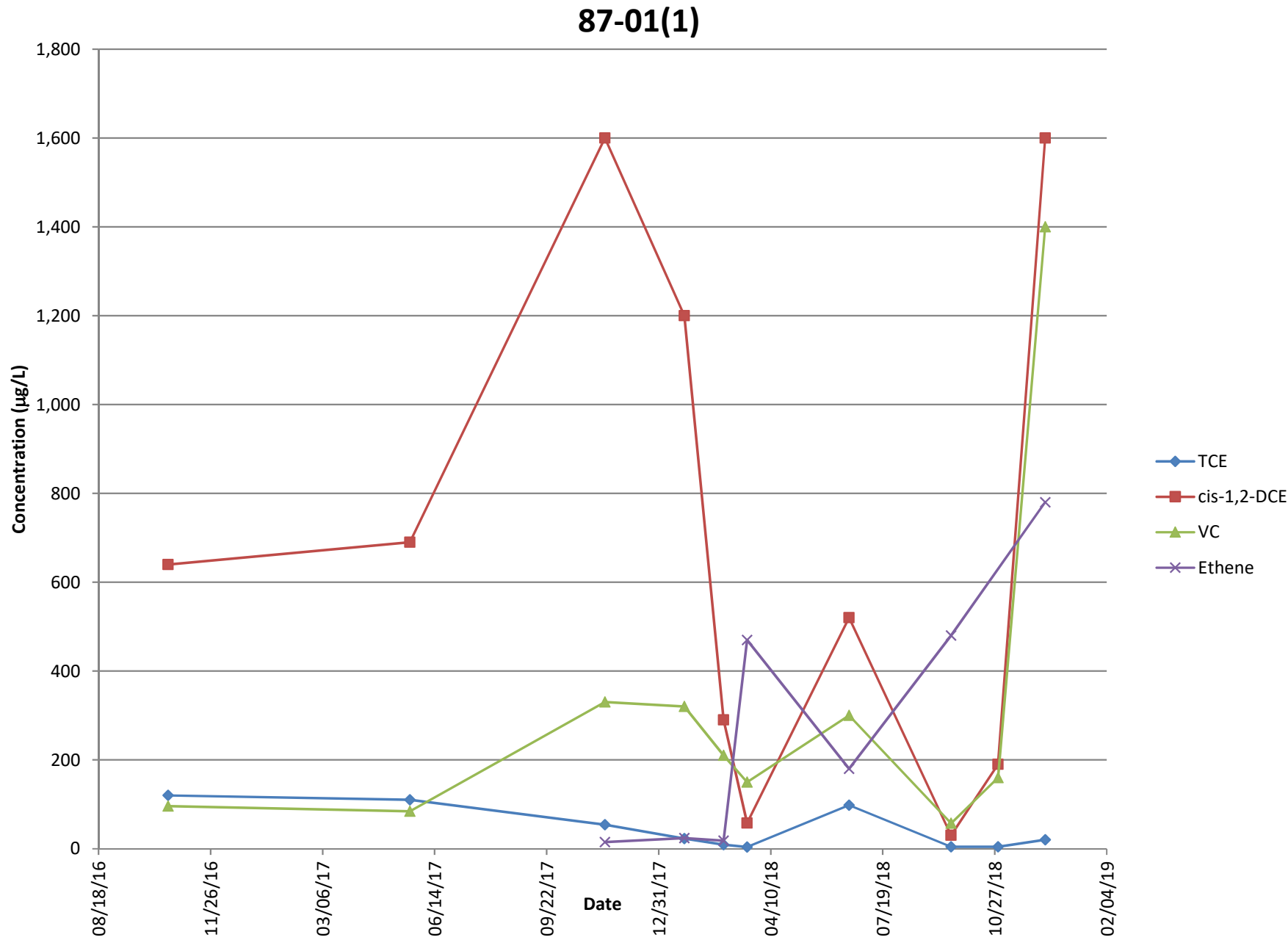
Graph 6
Ferrous Iron
Former Bell Aerospace Textron Wheatfield, New York



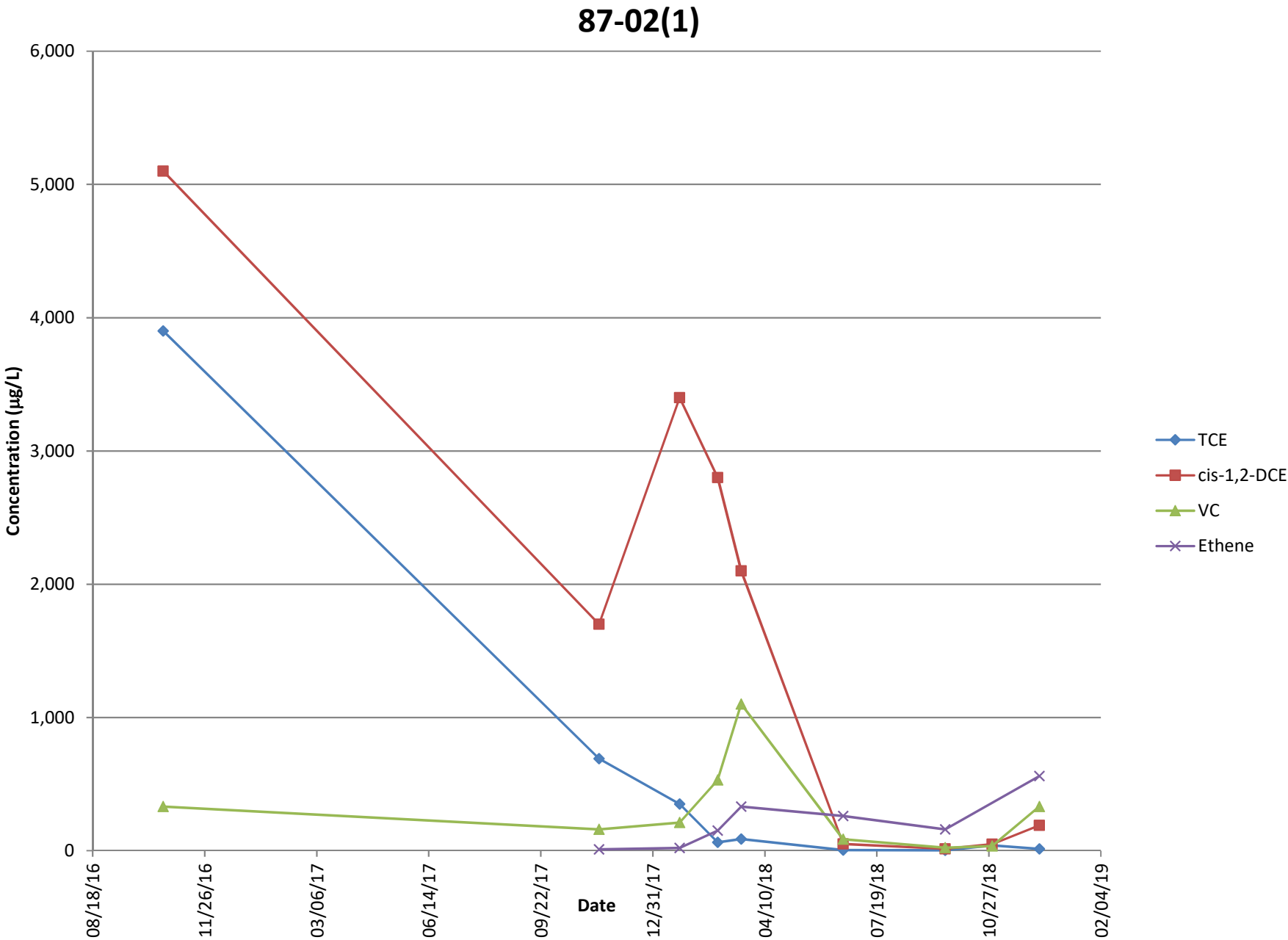
Graph 7
Ethene
Former Bell Aerospace Textron Wheatfield, New York



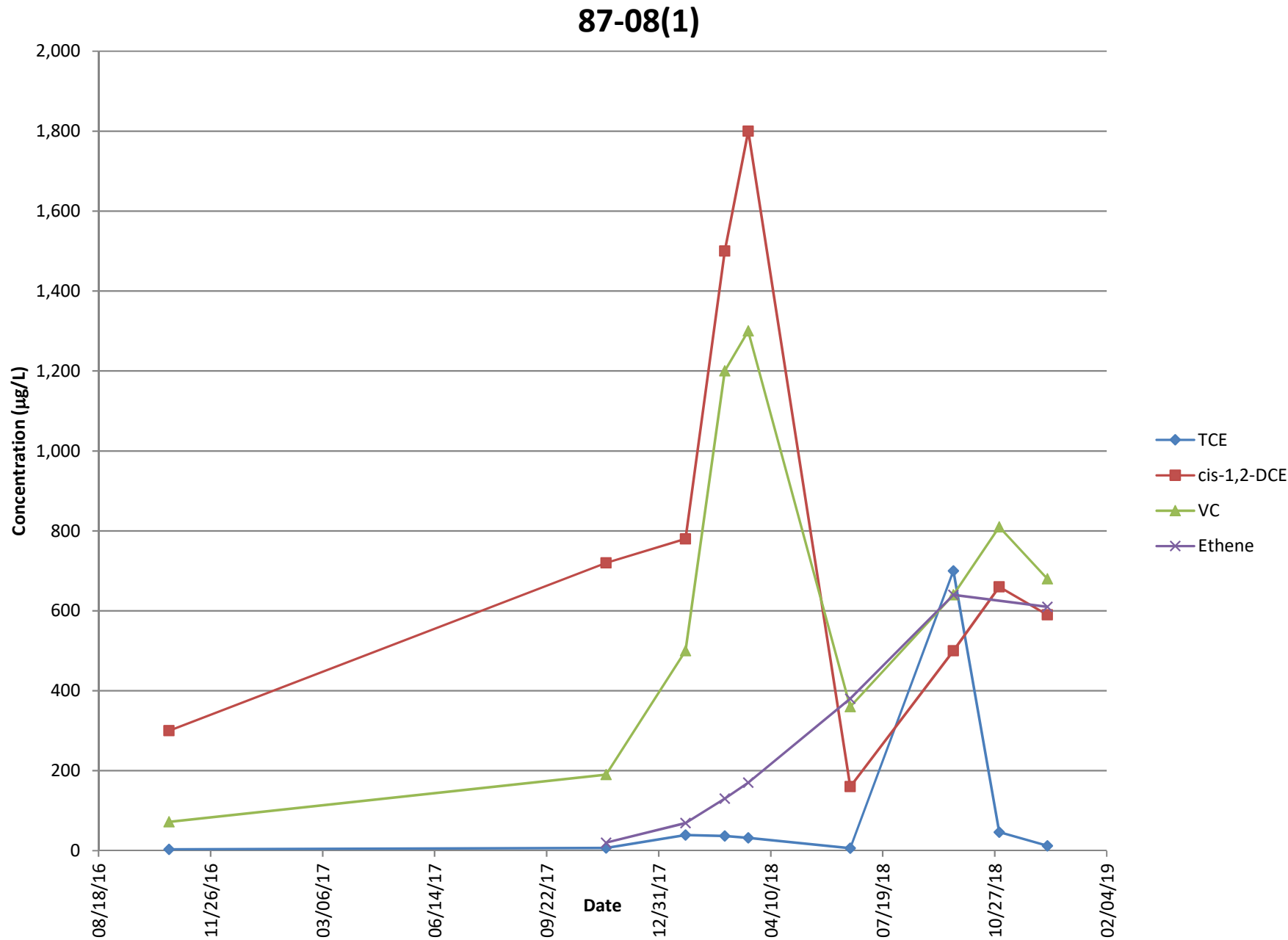
Graph 8
87-01(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



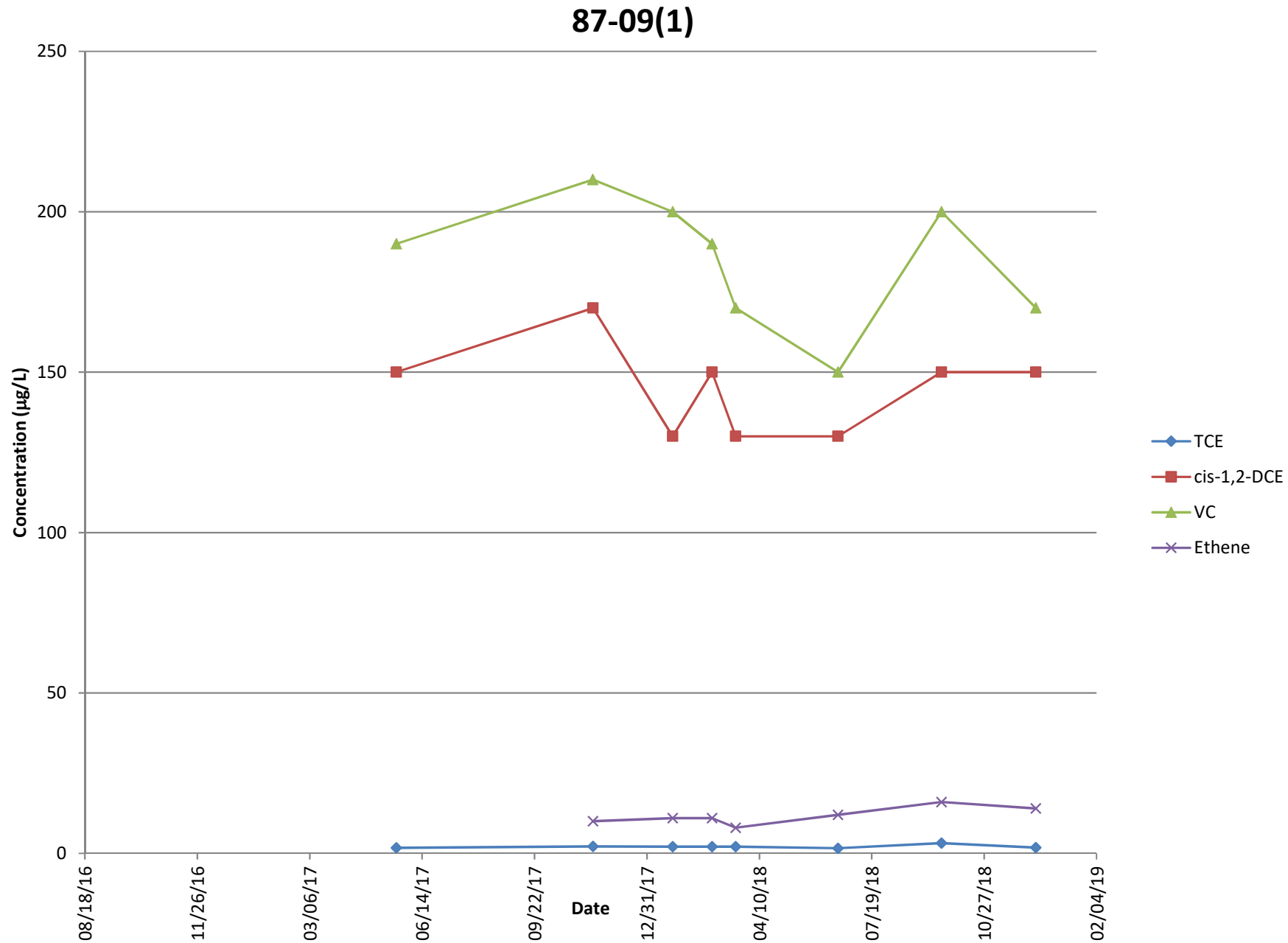
Graph 9
87-02(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



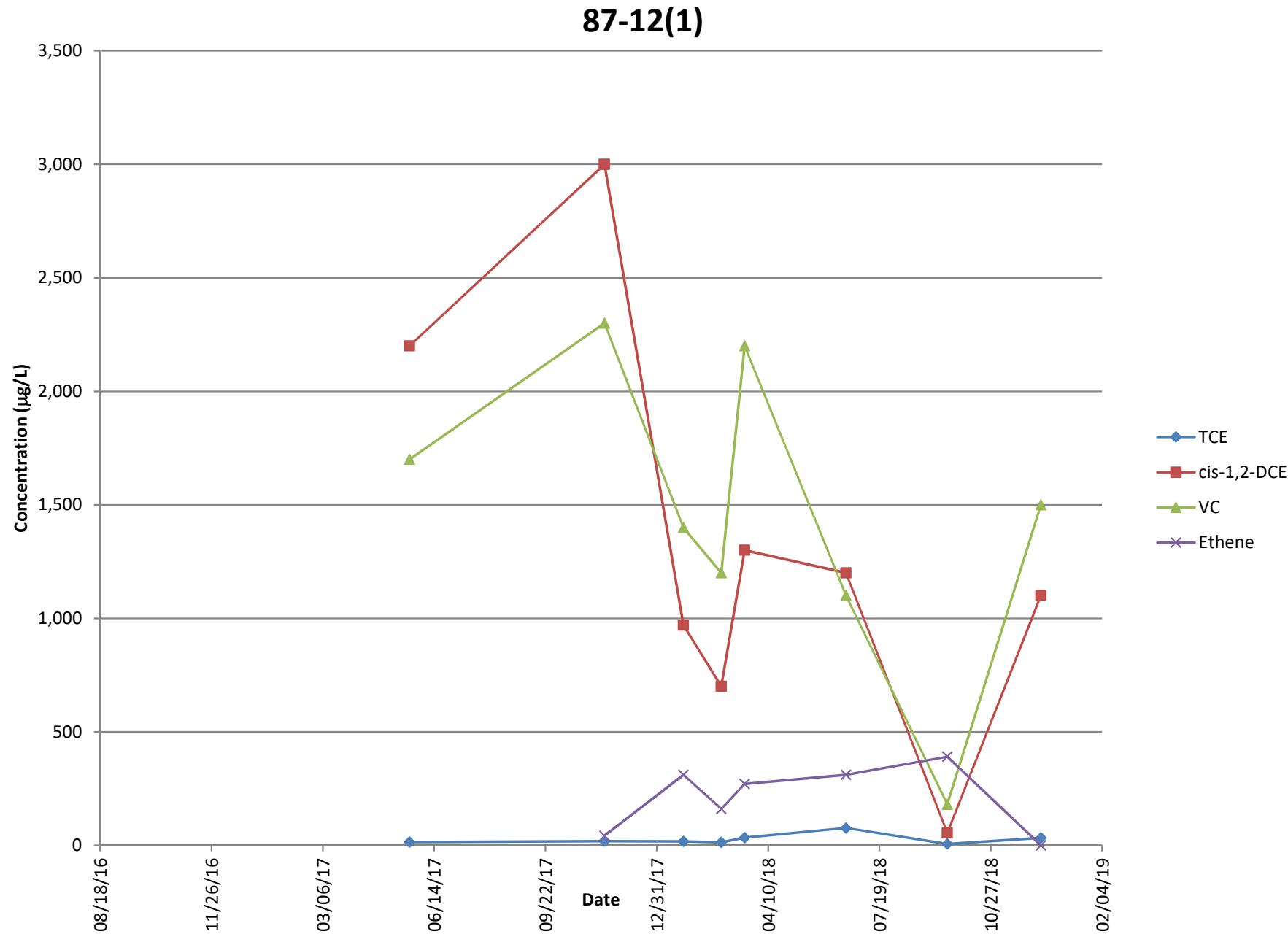
Graph 10
87-08(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



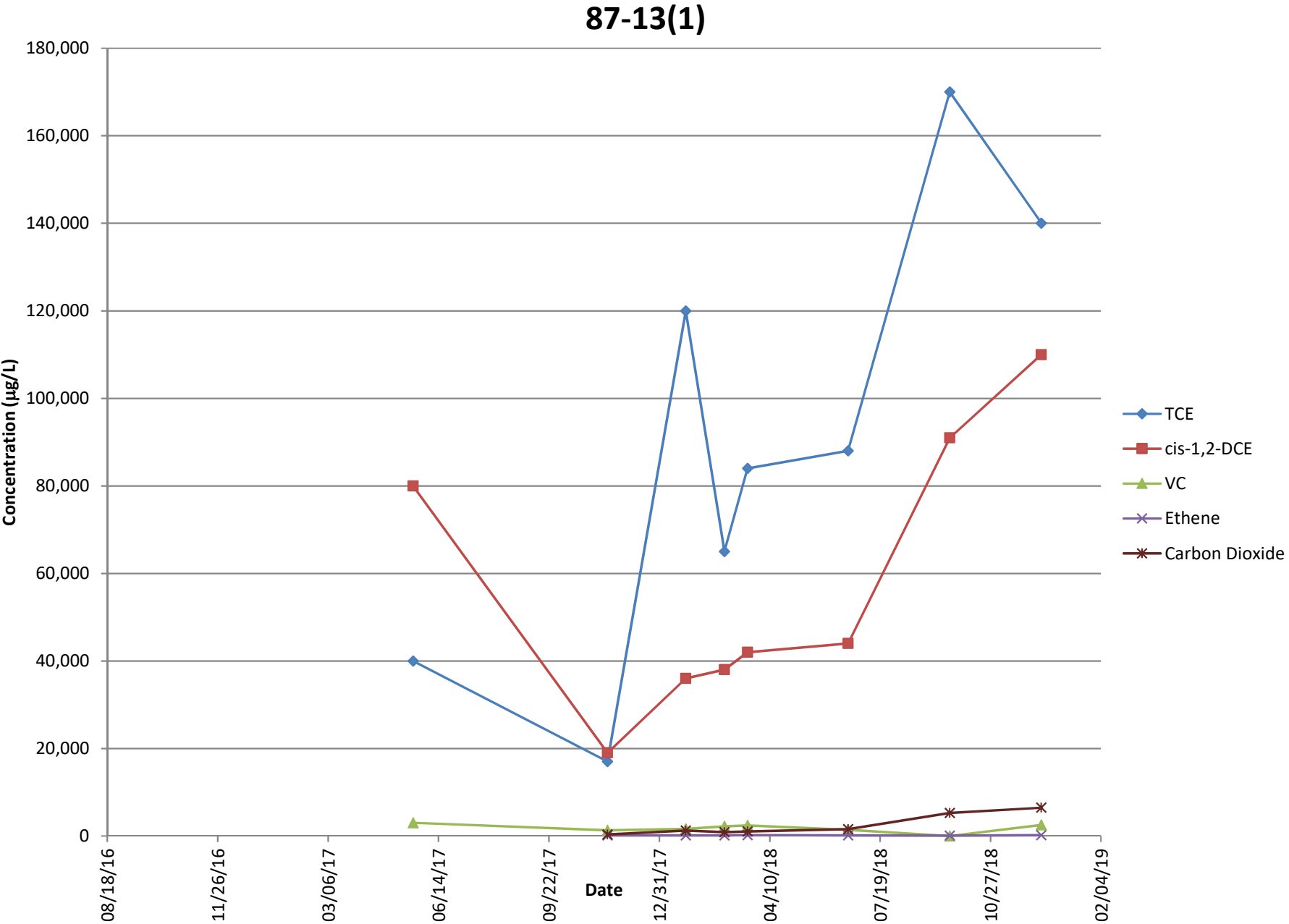
Graph 11
87-09(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



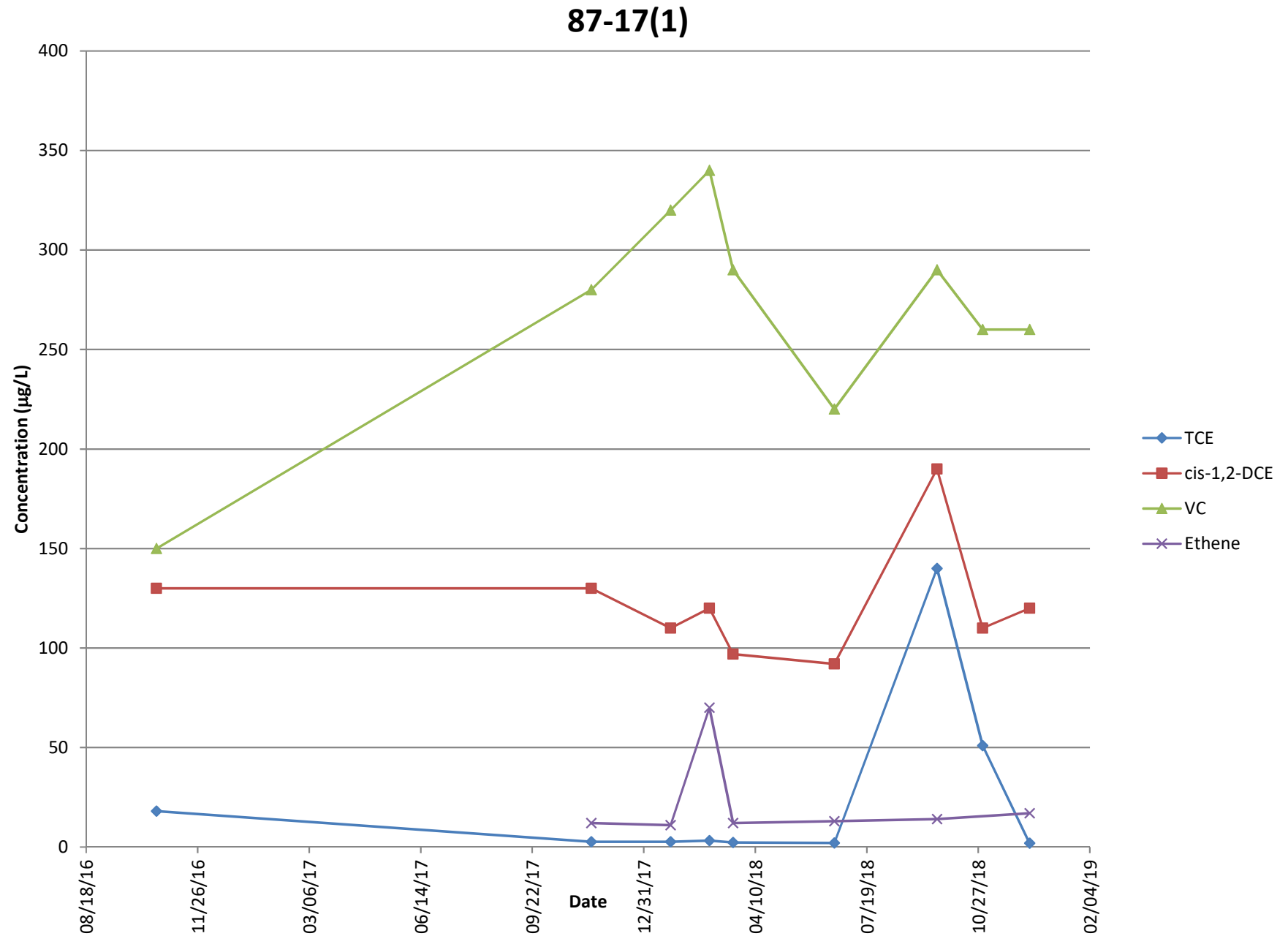
Graph 12
87-12(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



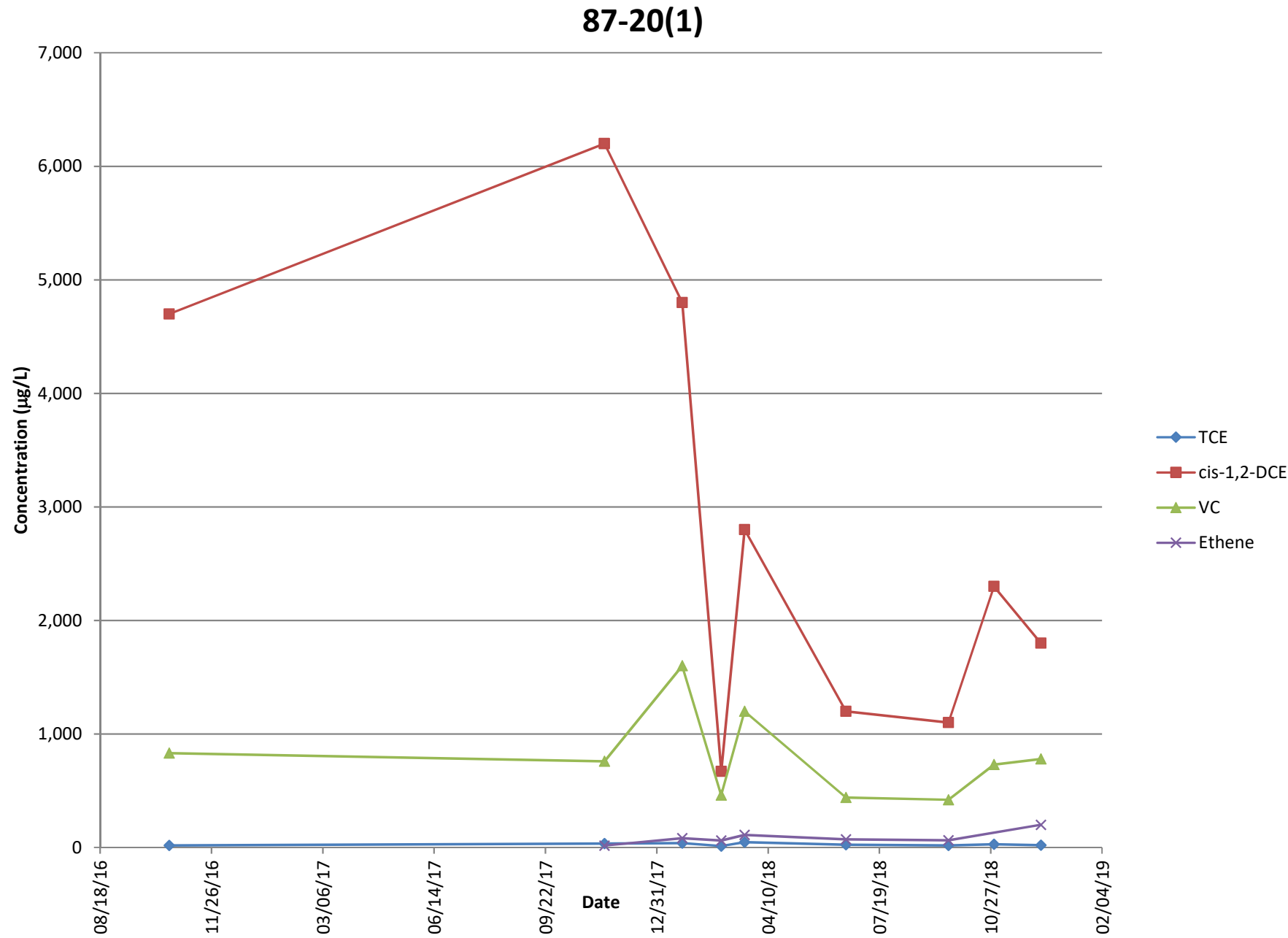
Graph 13
87-13(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



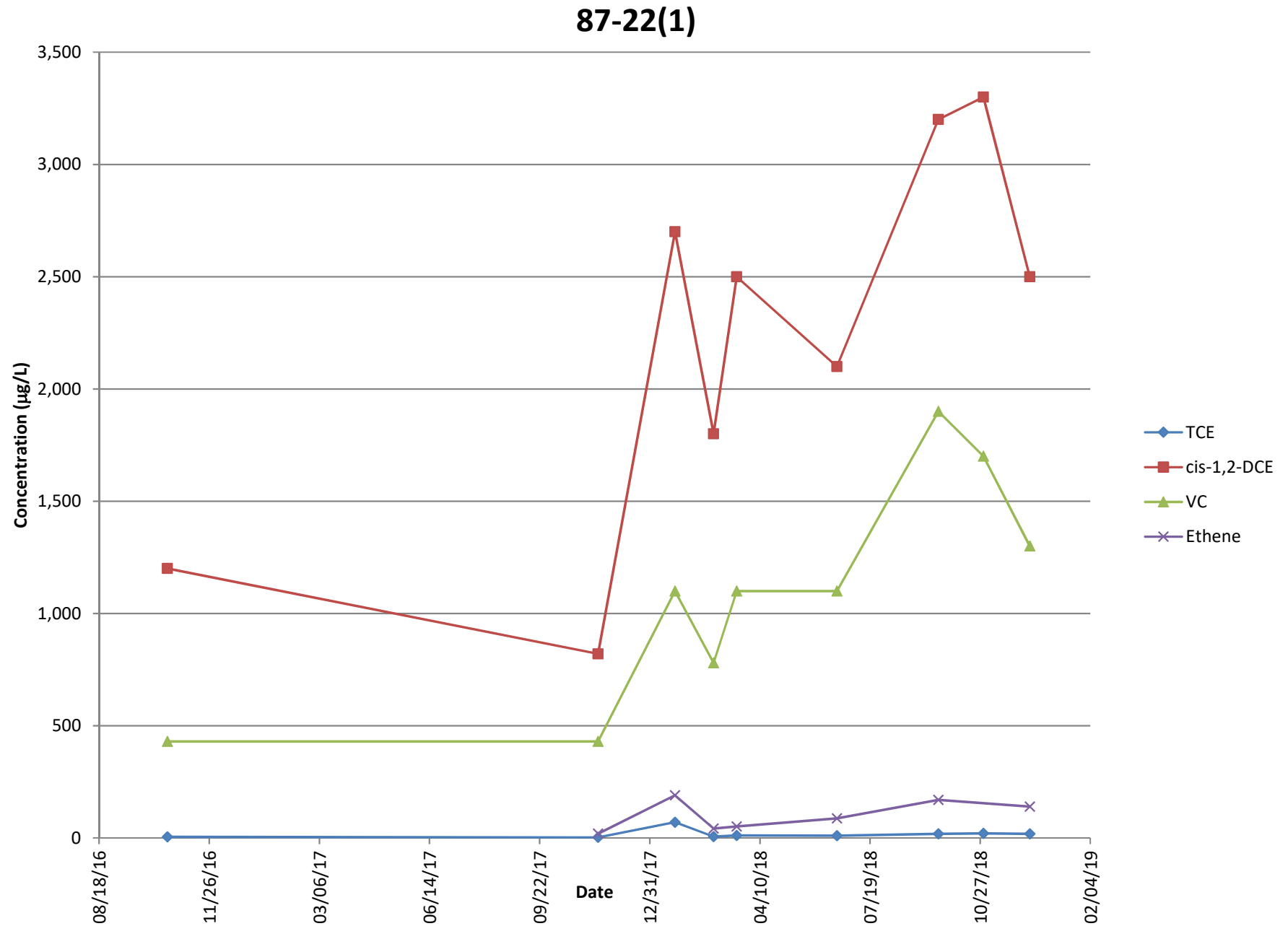
Graph 14
87-17(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



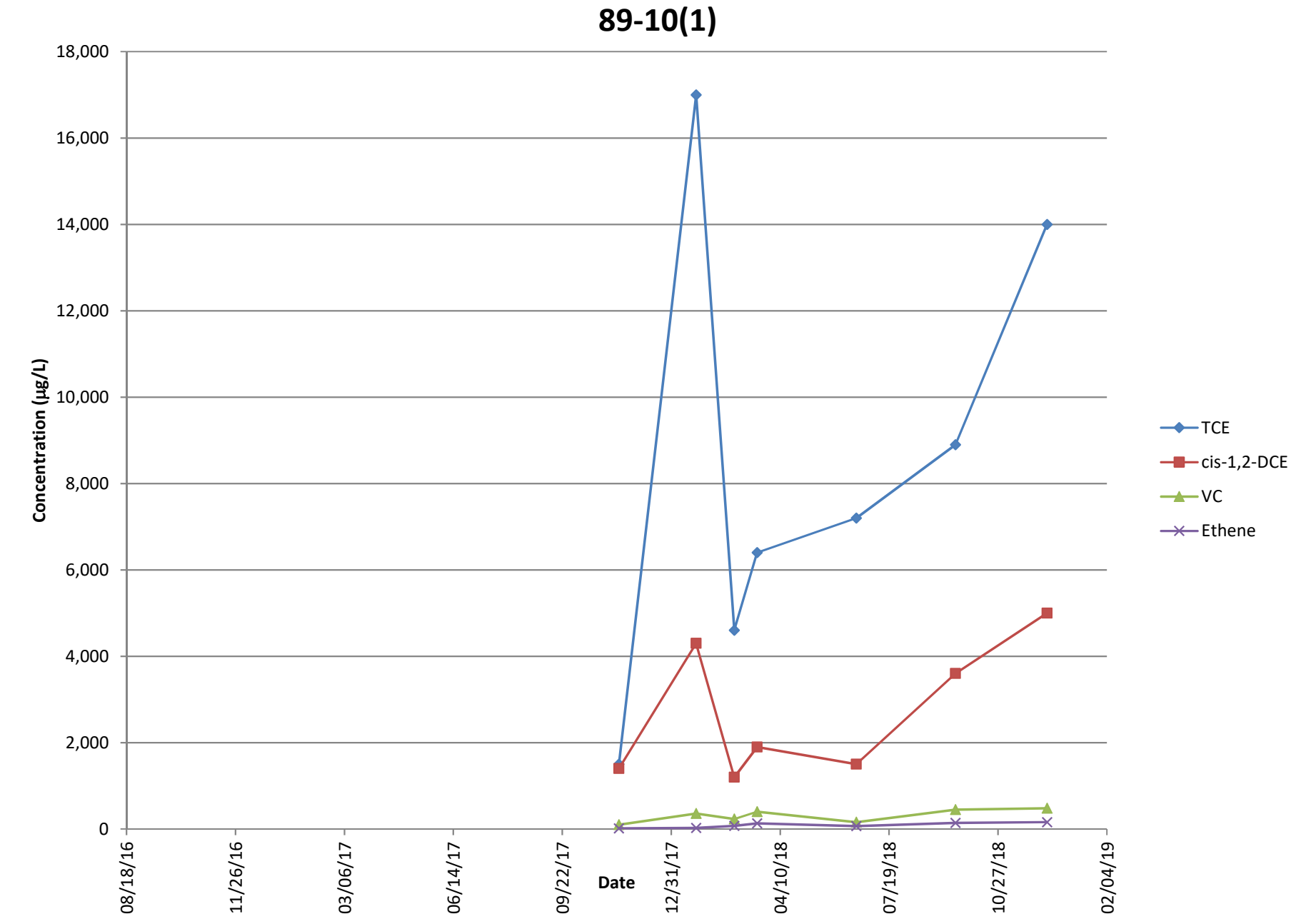
Graph 15
87-20(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



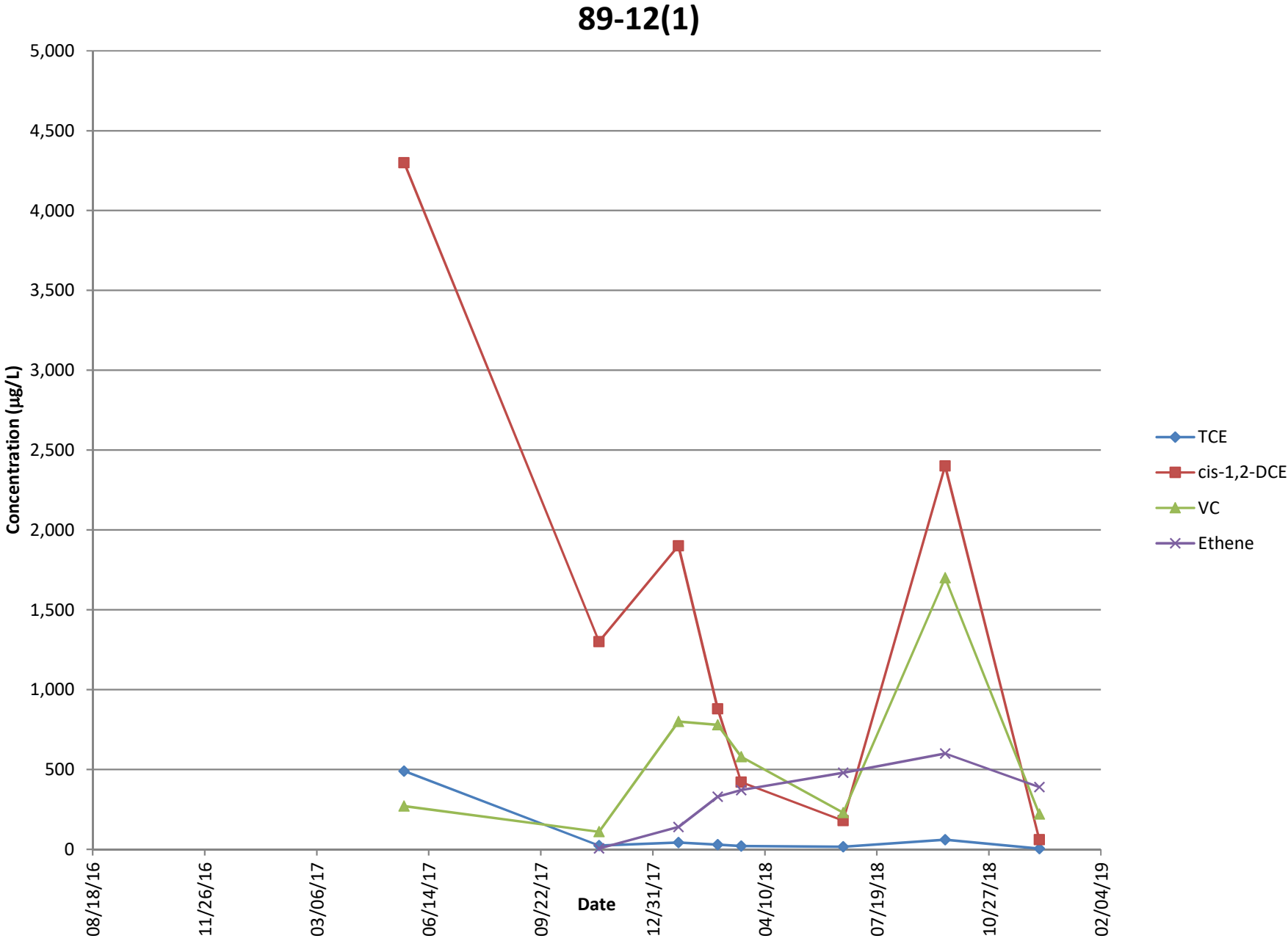
Graph 16
87-22(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



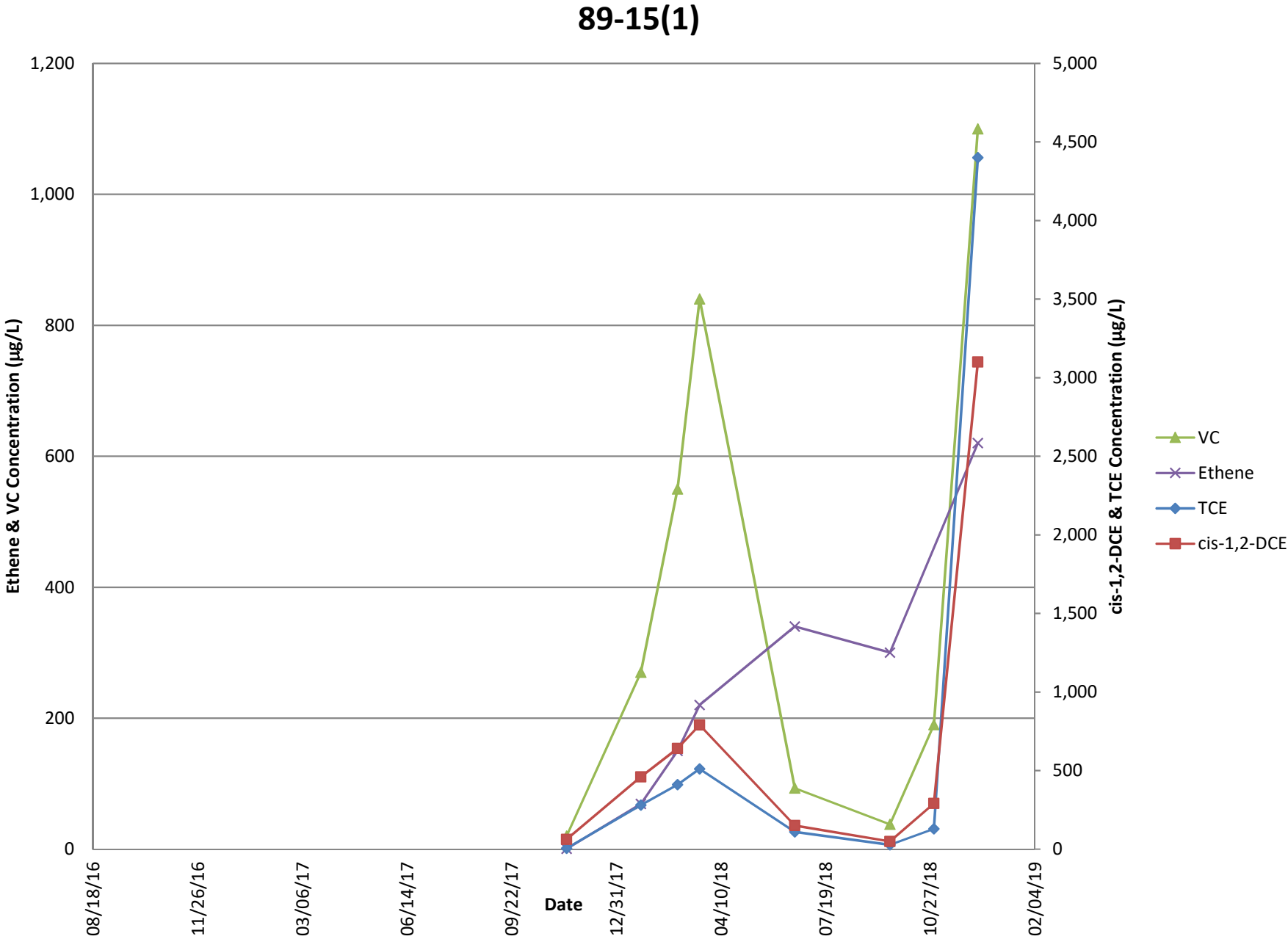
Graph 17
89-10(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



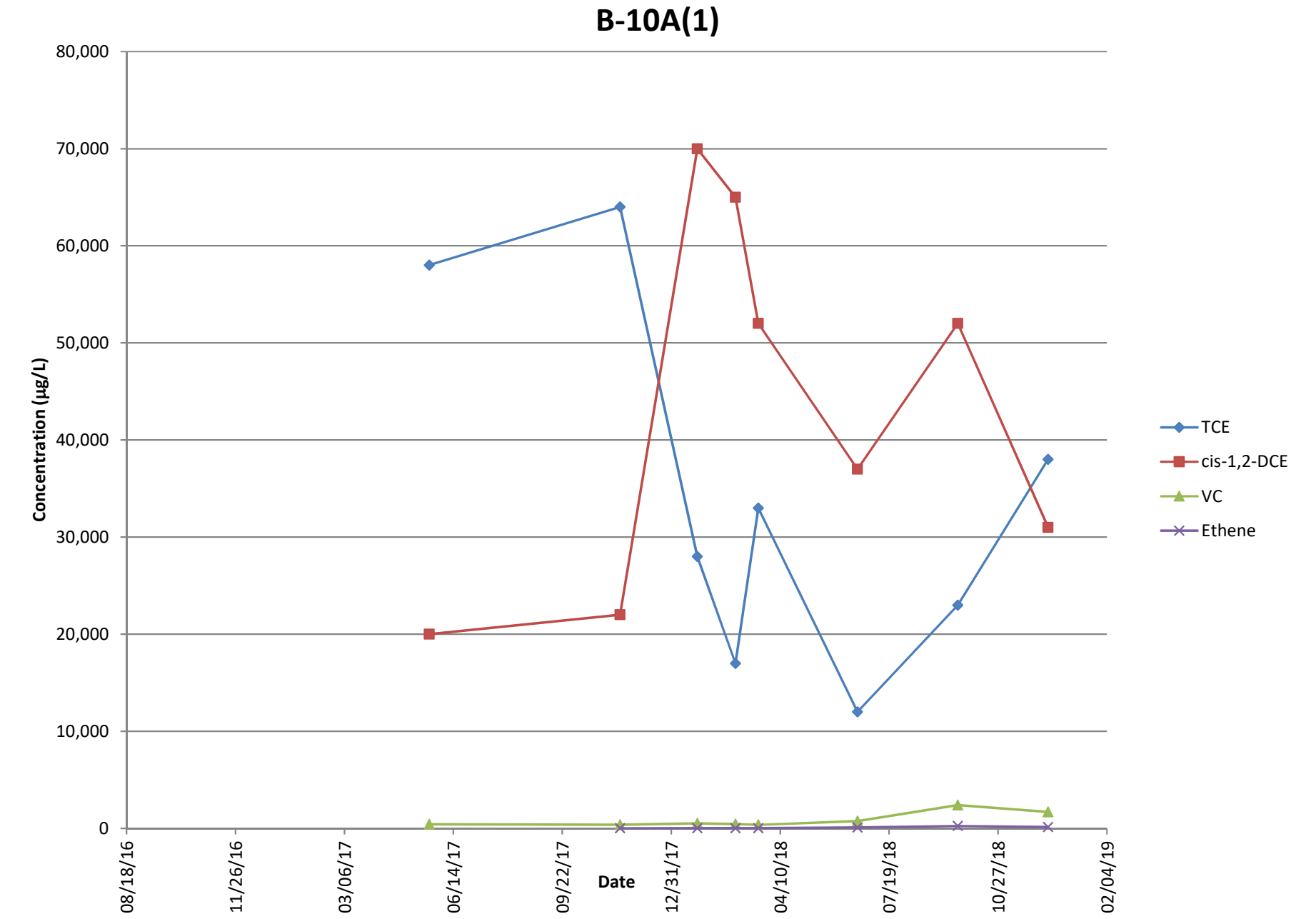
Graph 18
89-12(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



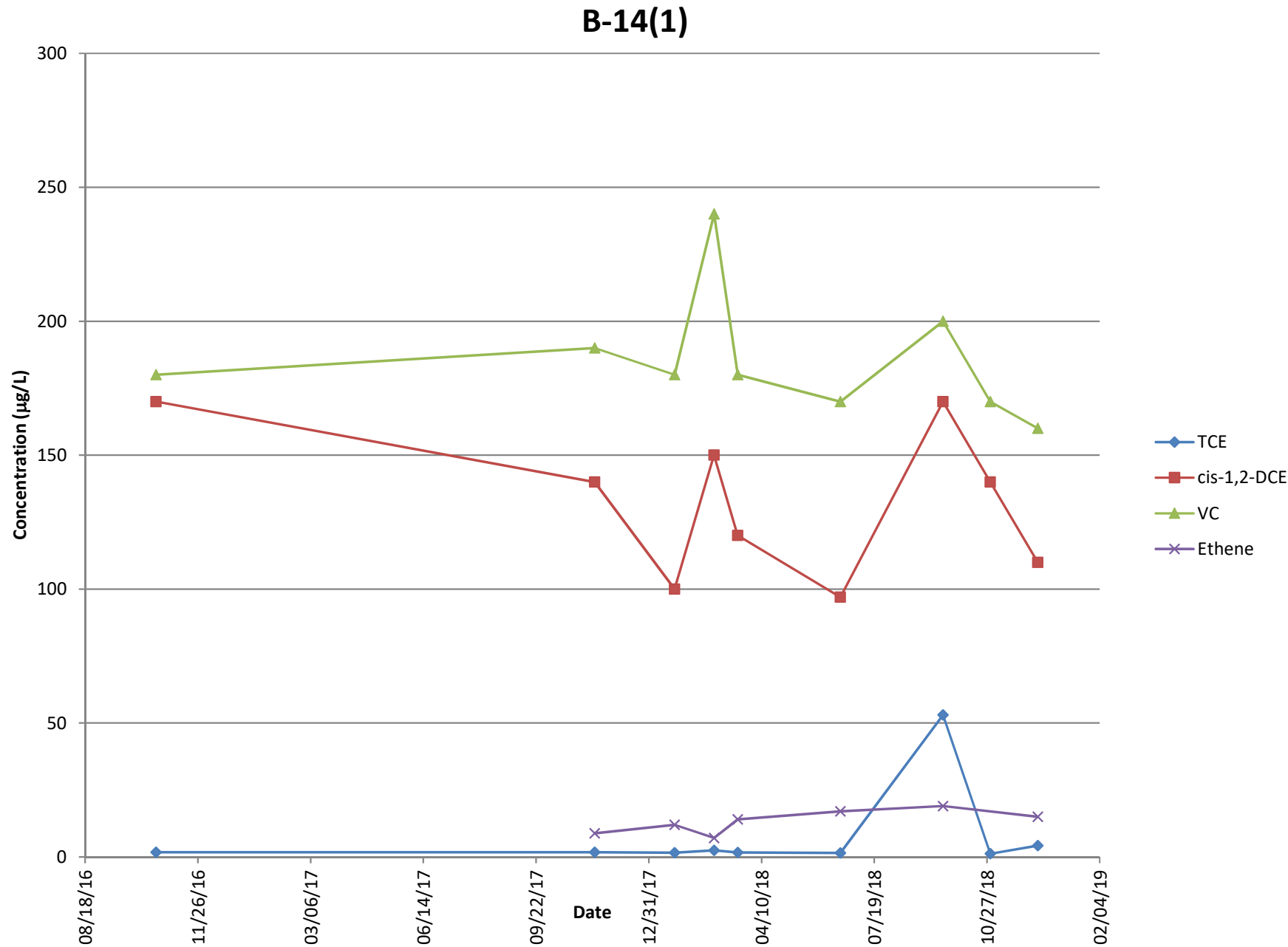
Graph 19
89-15(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



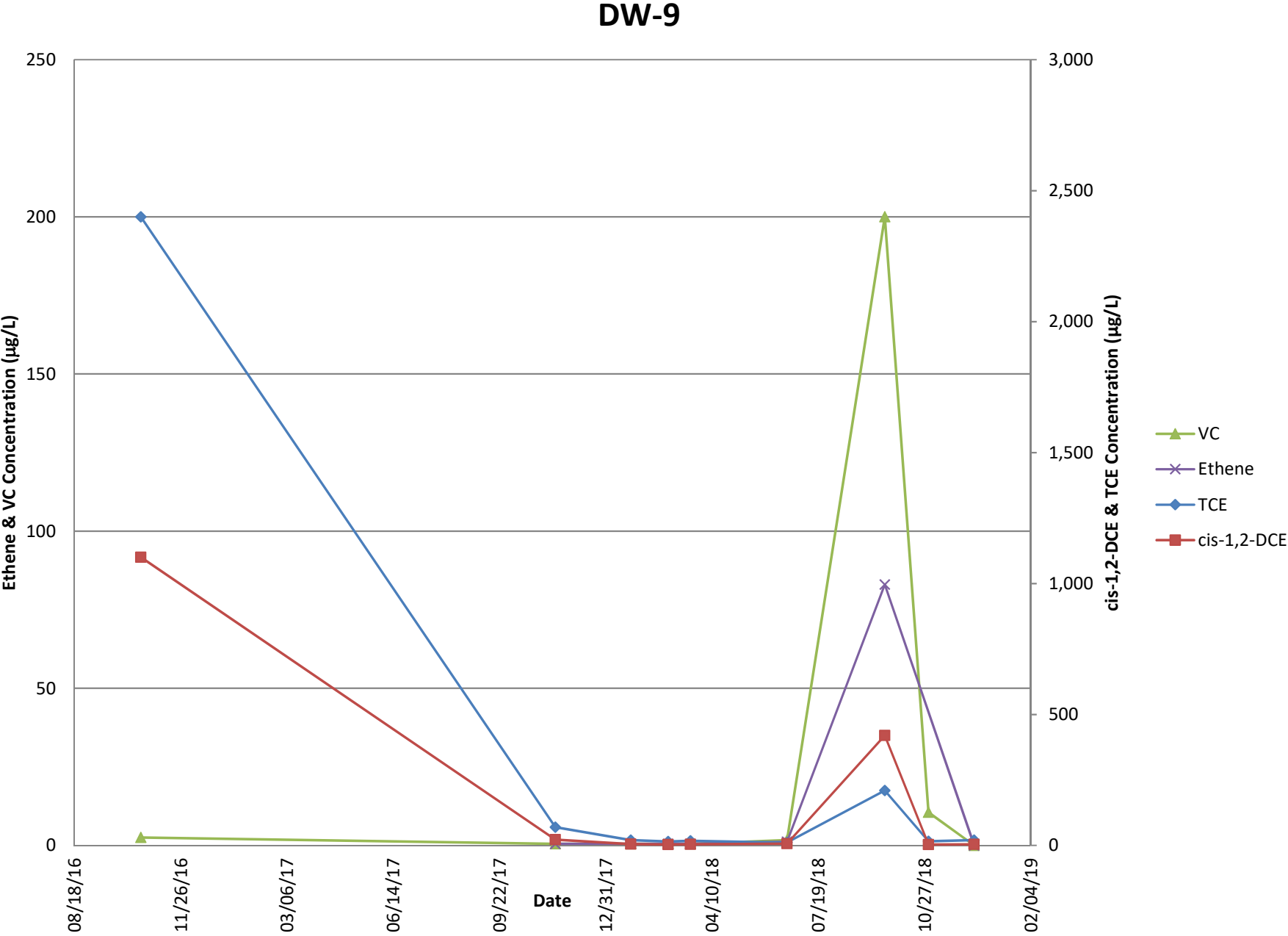
Graph 20
B-10A(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



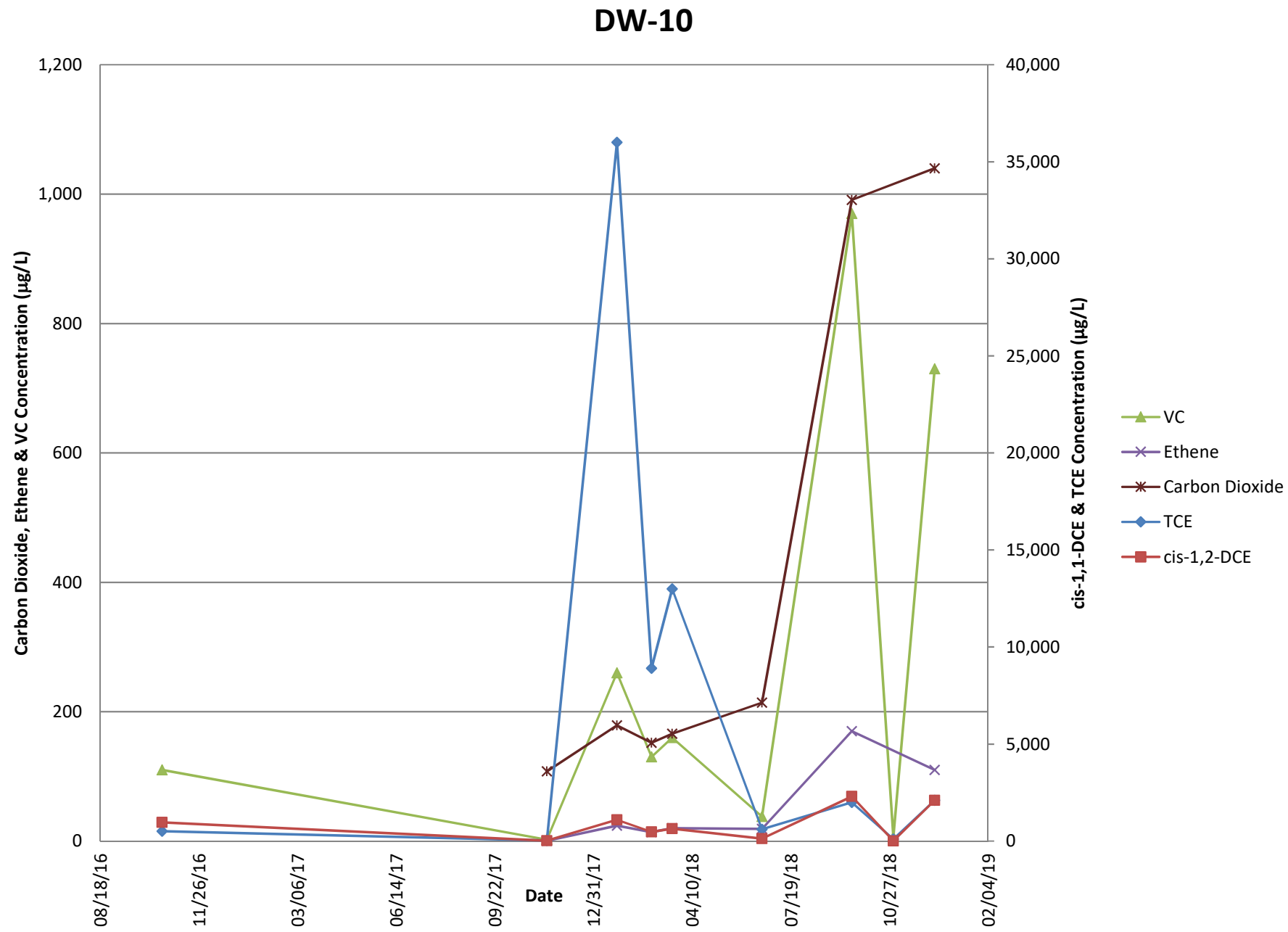
Graph 21
B-14(1) Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



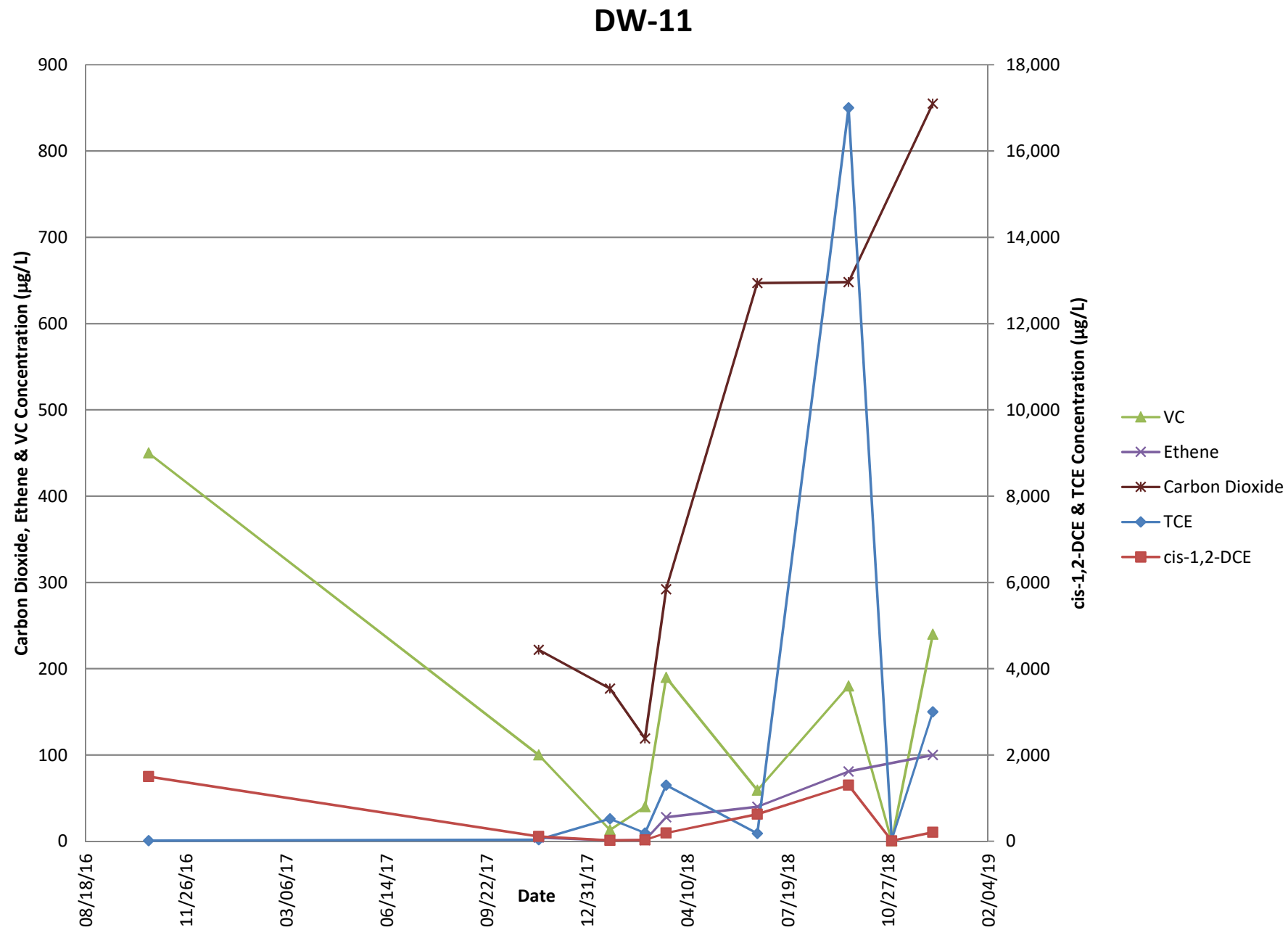
Graph 22
DW-9 Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



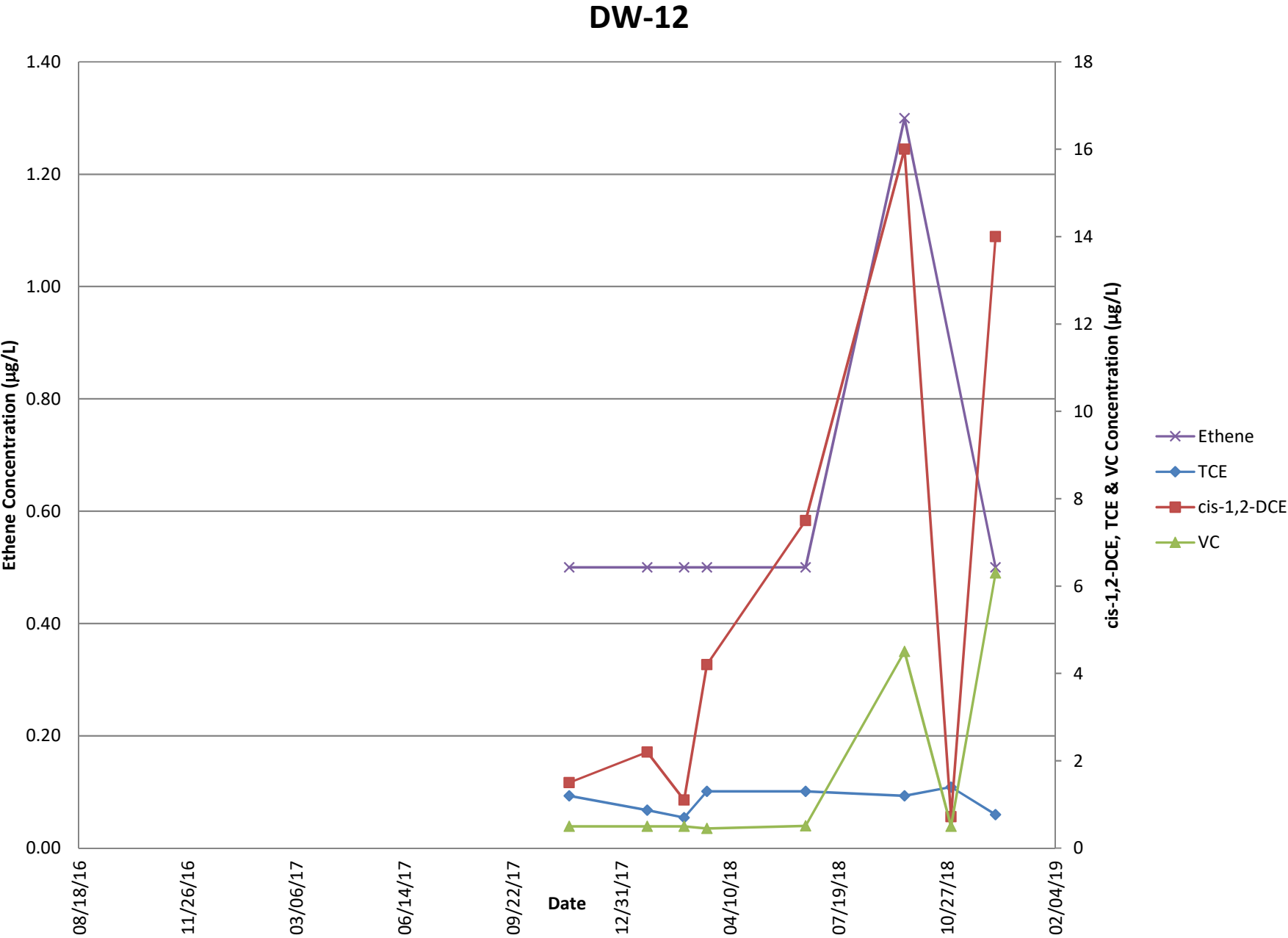
Graph 23
DW-10 Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



Graph 24
DW-11 Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



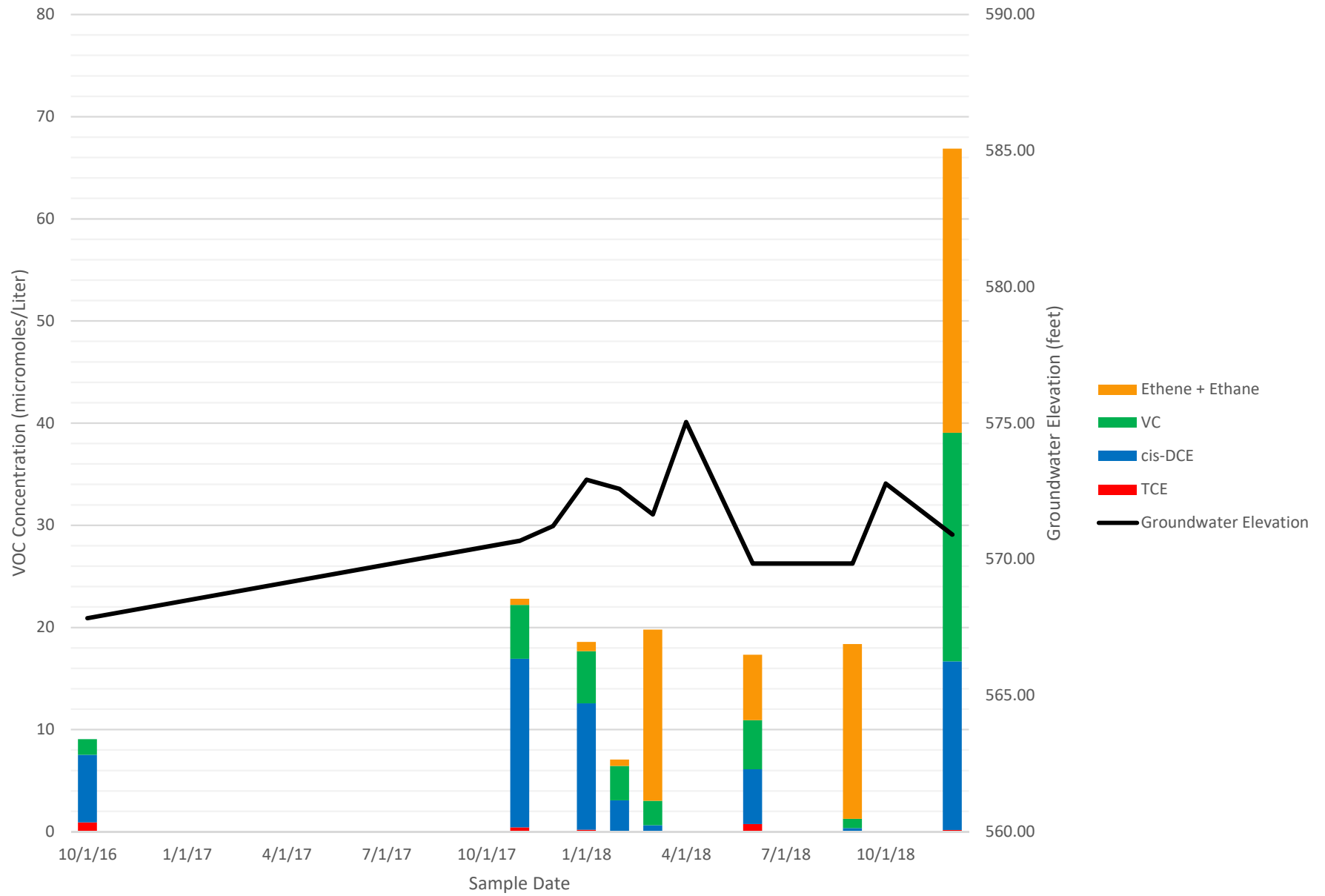
Graph 25
DW-12 Groundwater Concentration Trend
Former Bell Aerospace Textron Wheatfield, New York



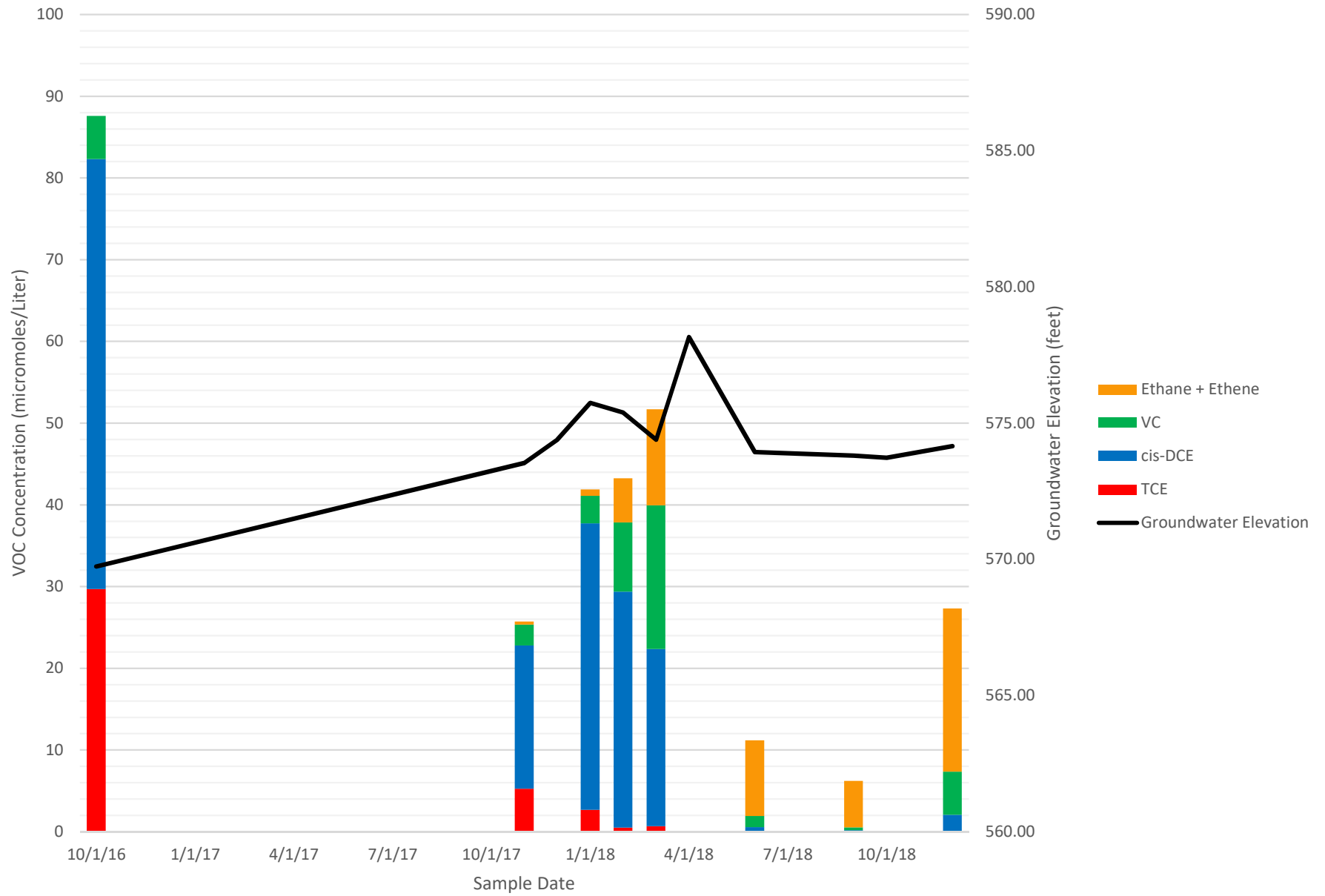
Appendix L

Molar Graphs

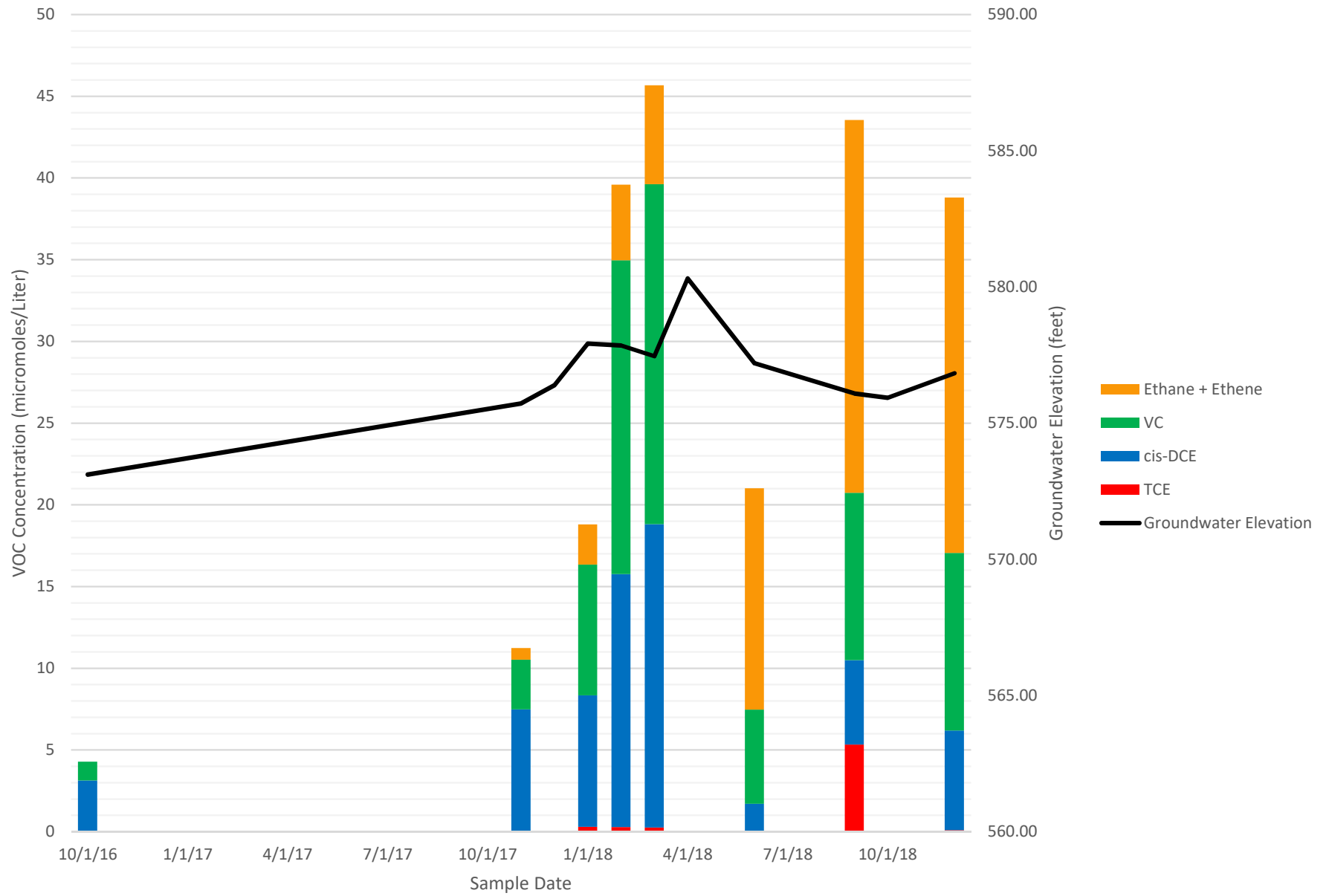
87-01(1)



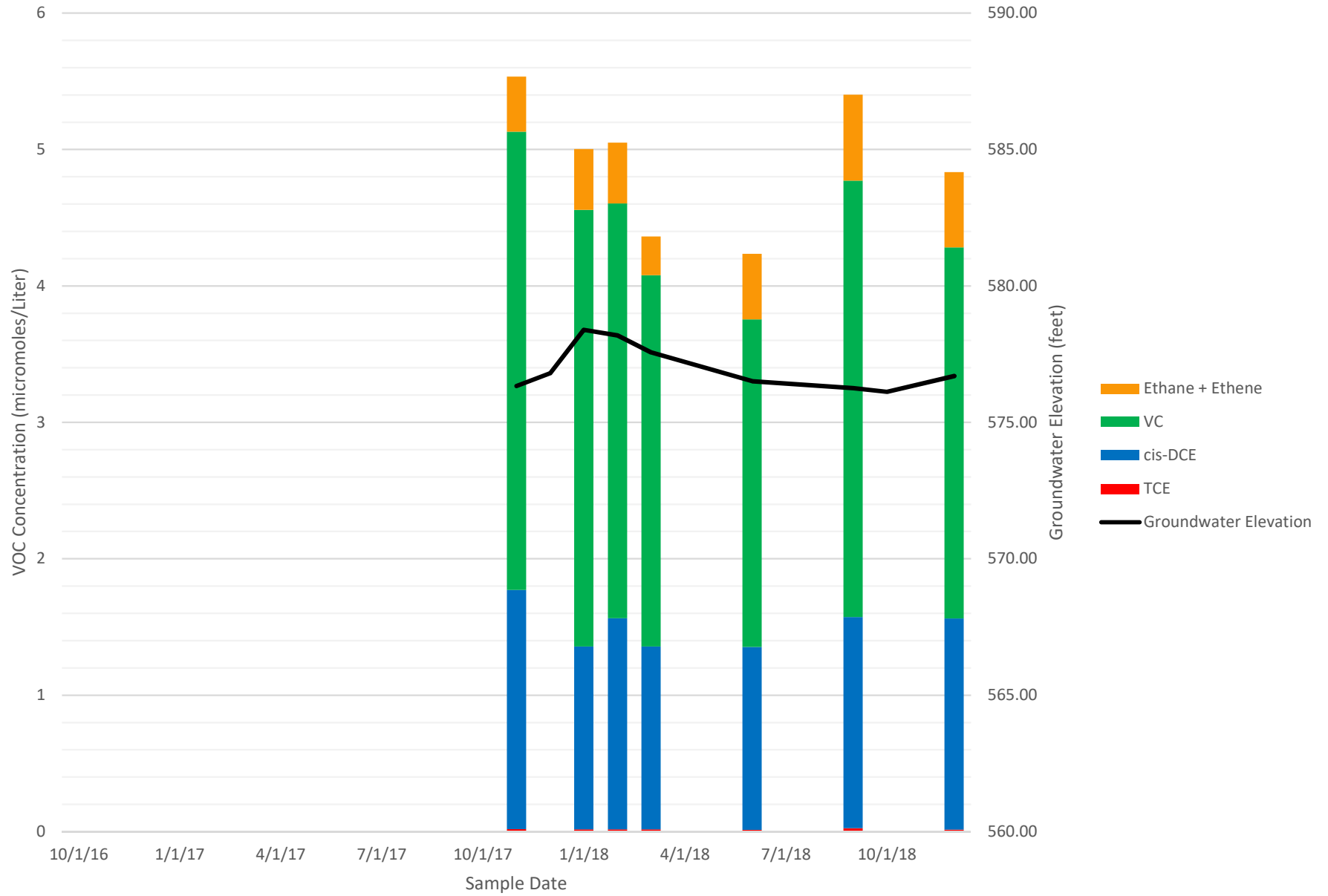
87-02(1)



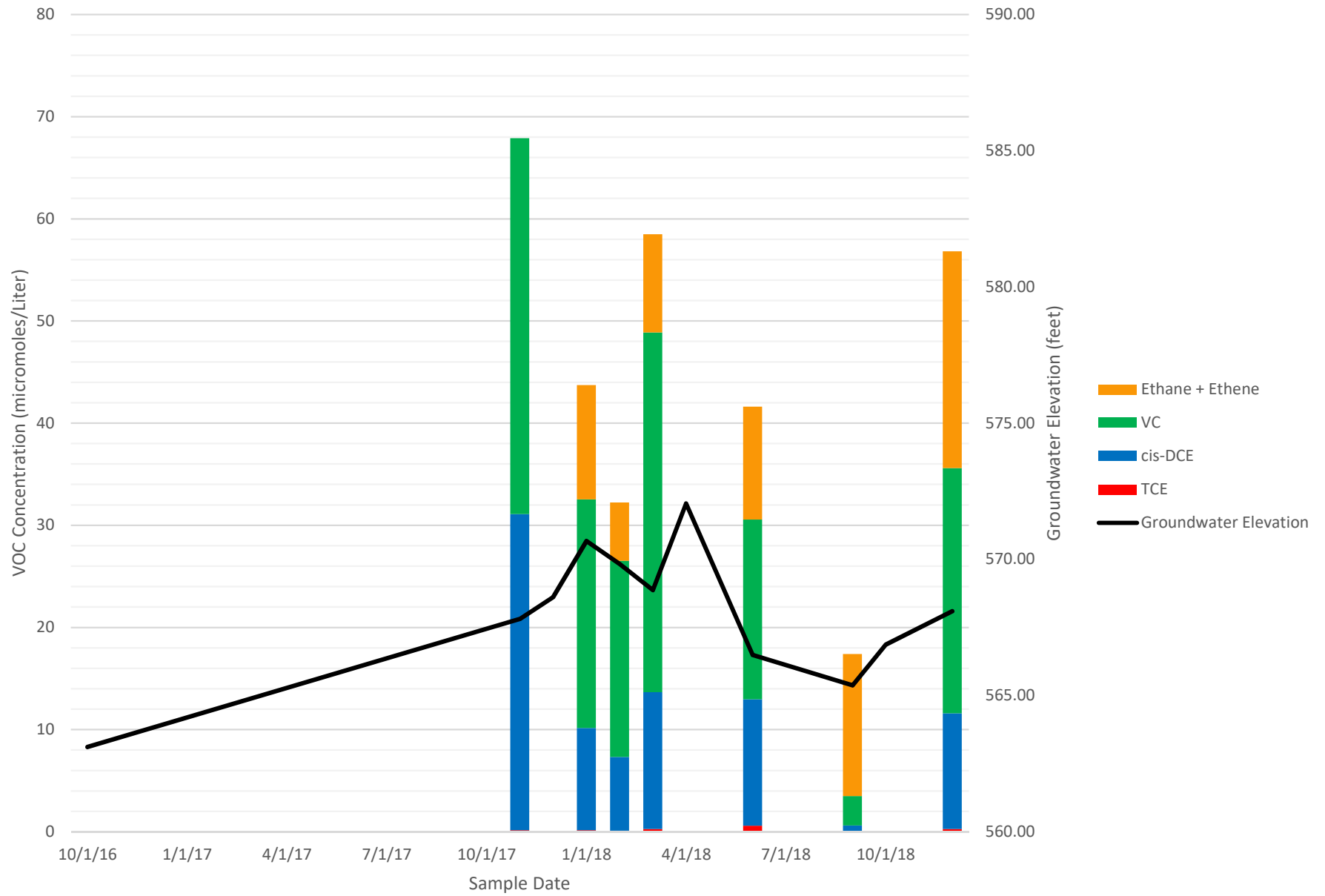
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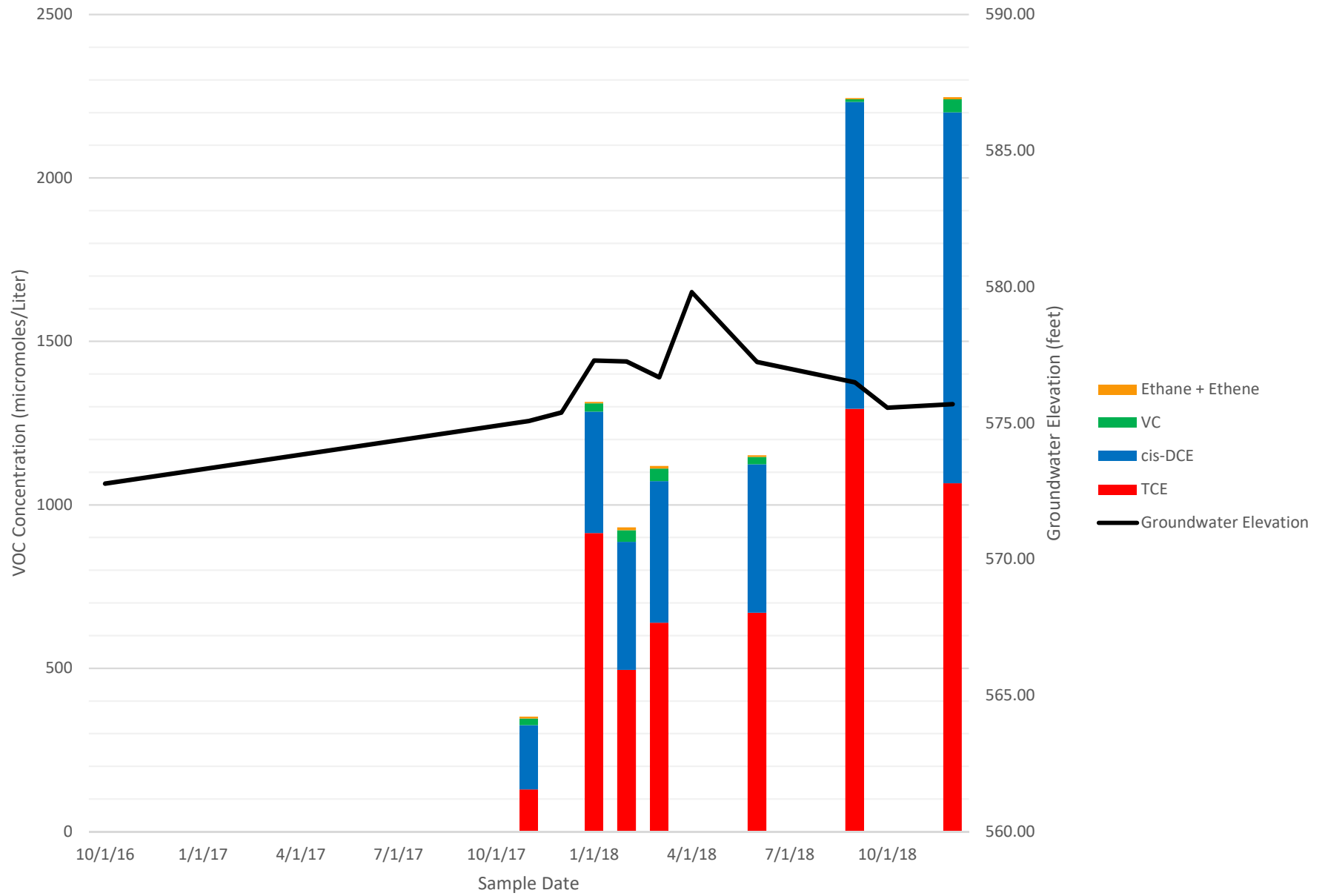
87-09(1)



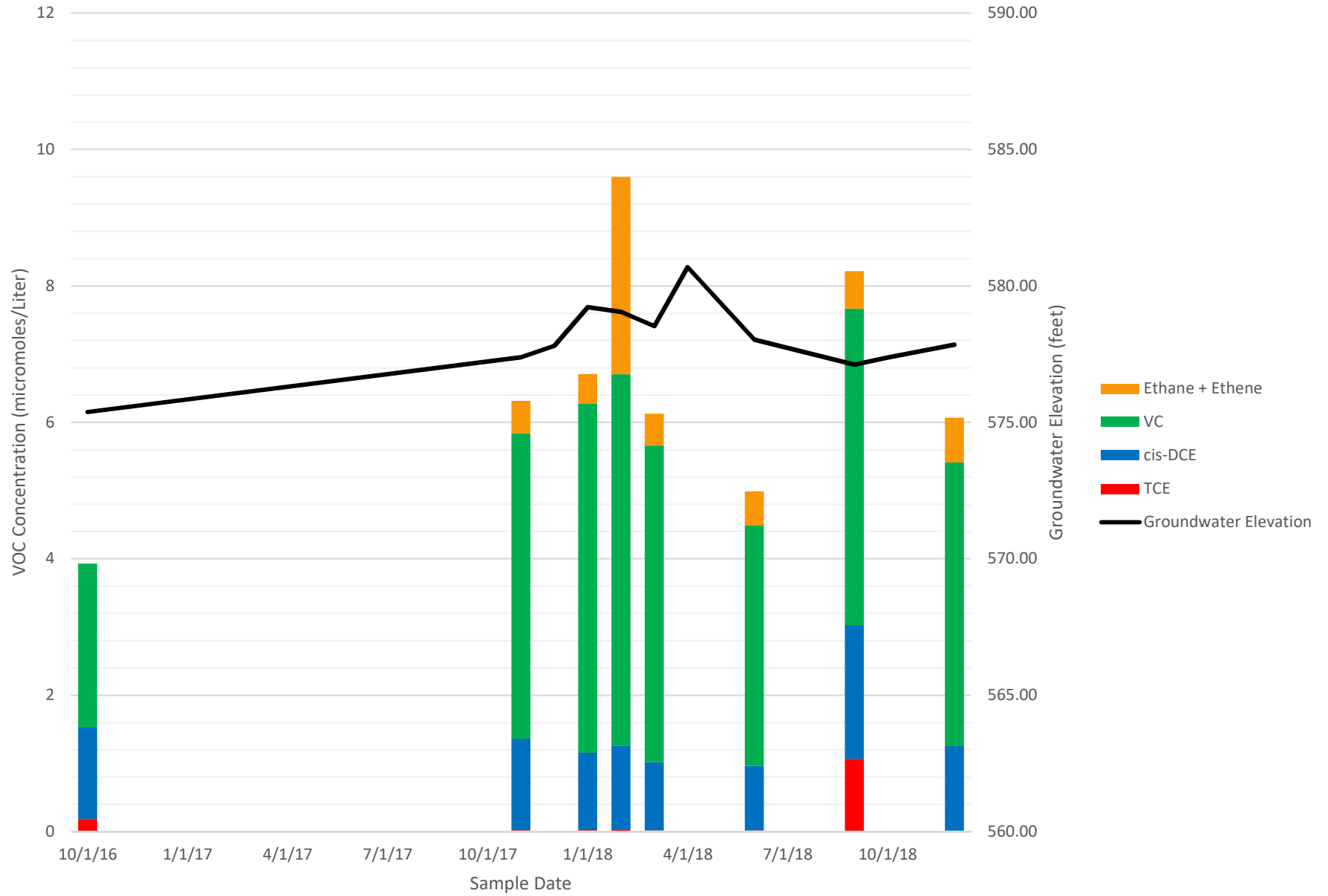
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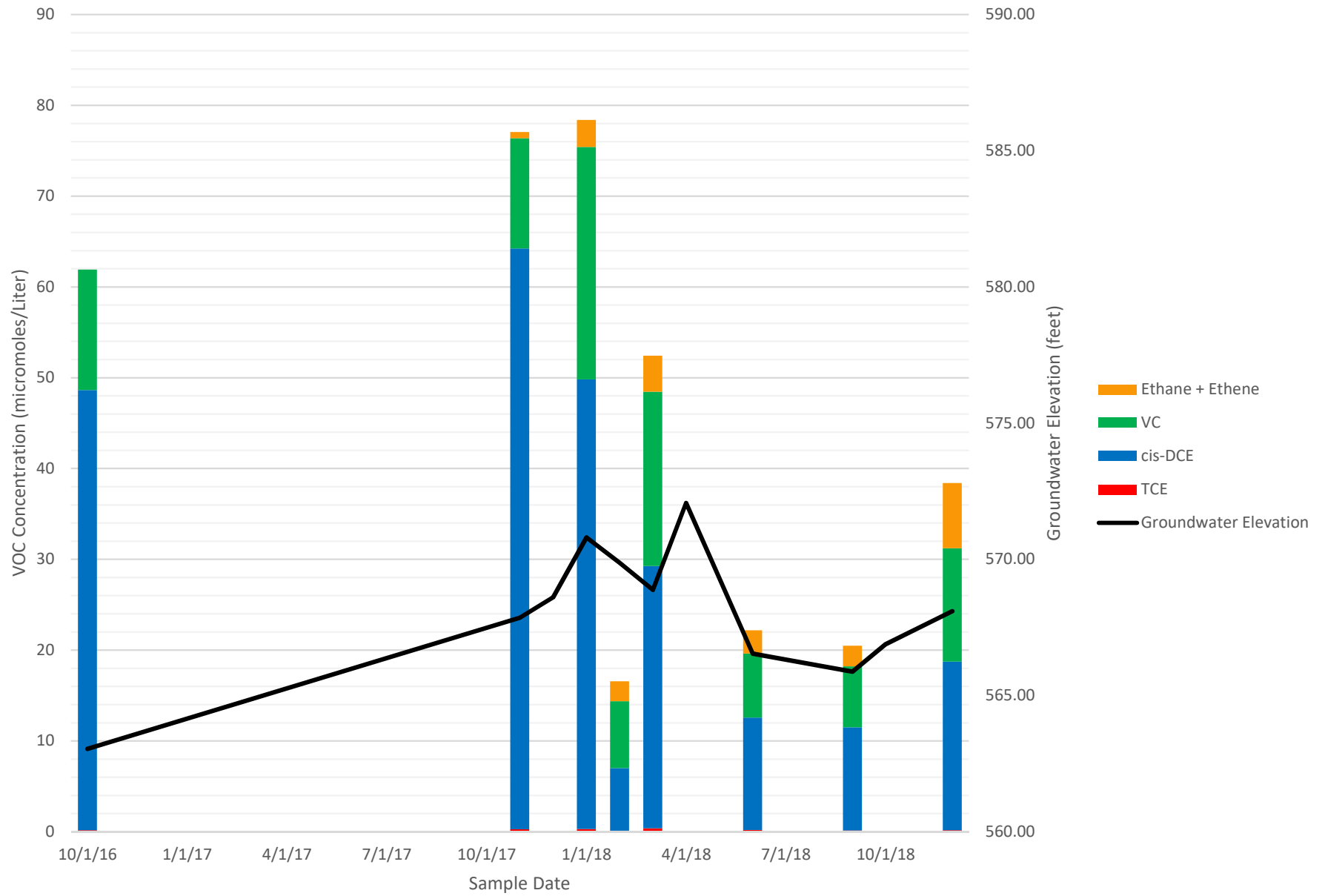
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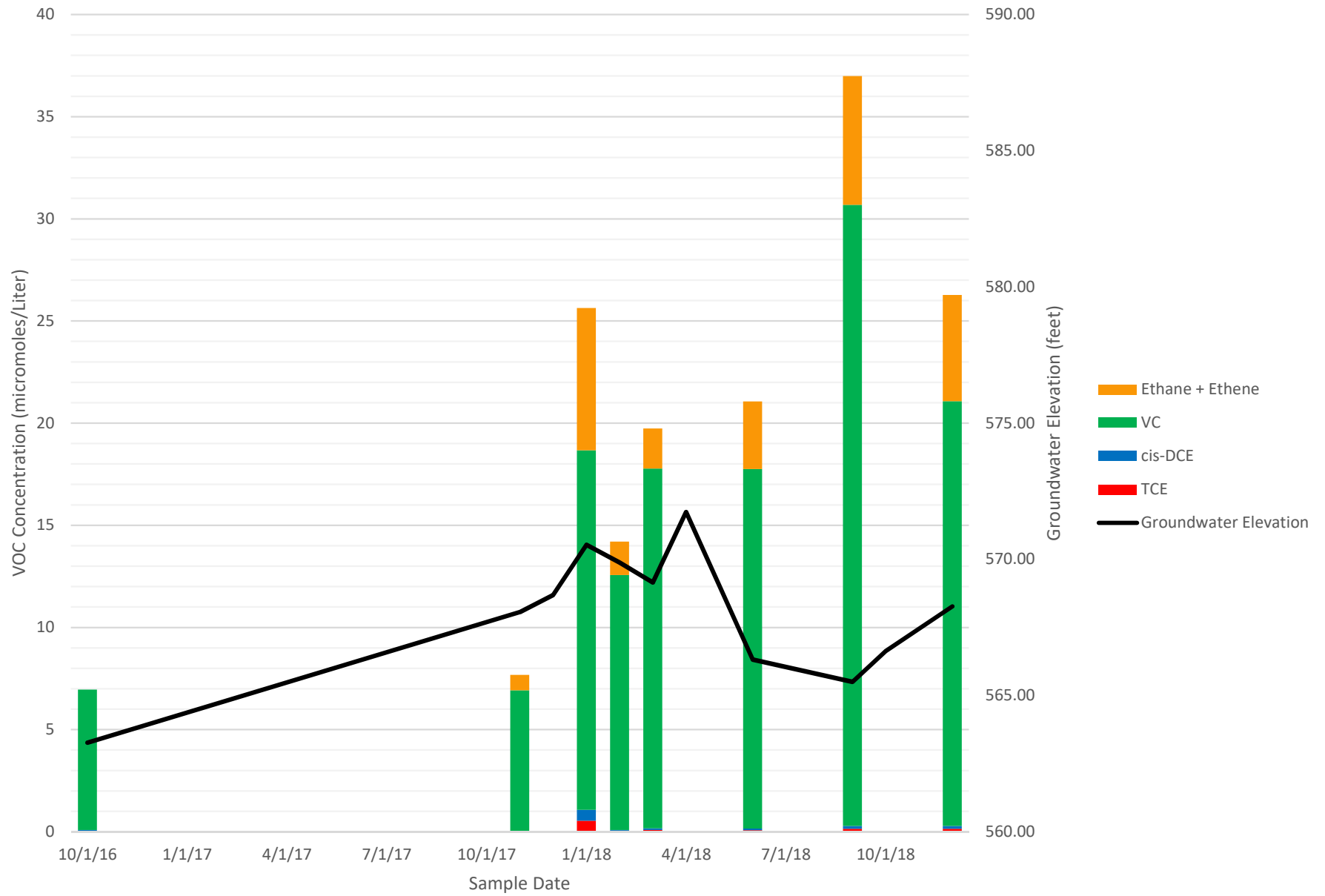
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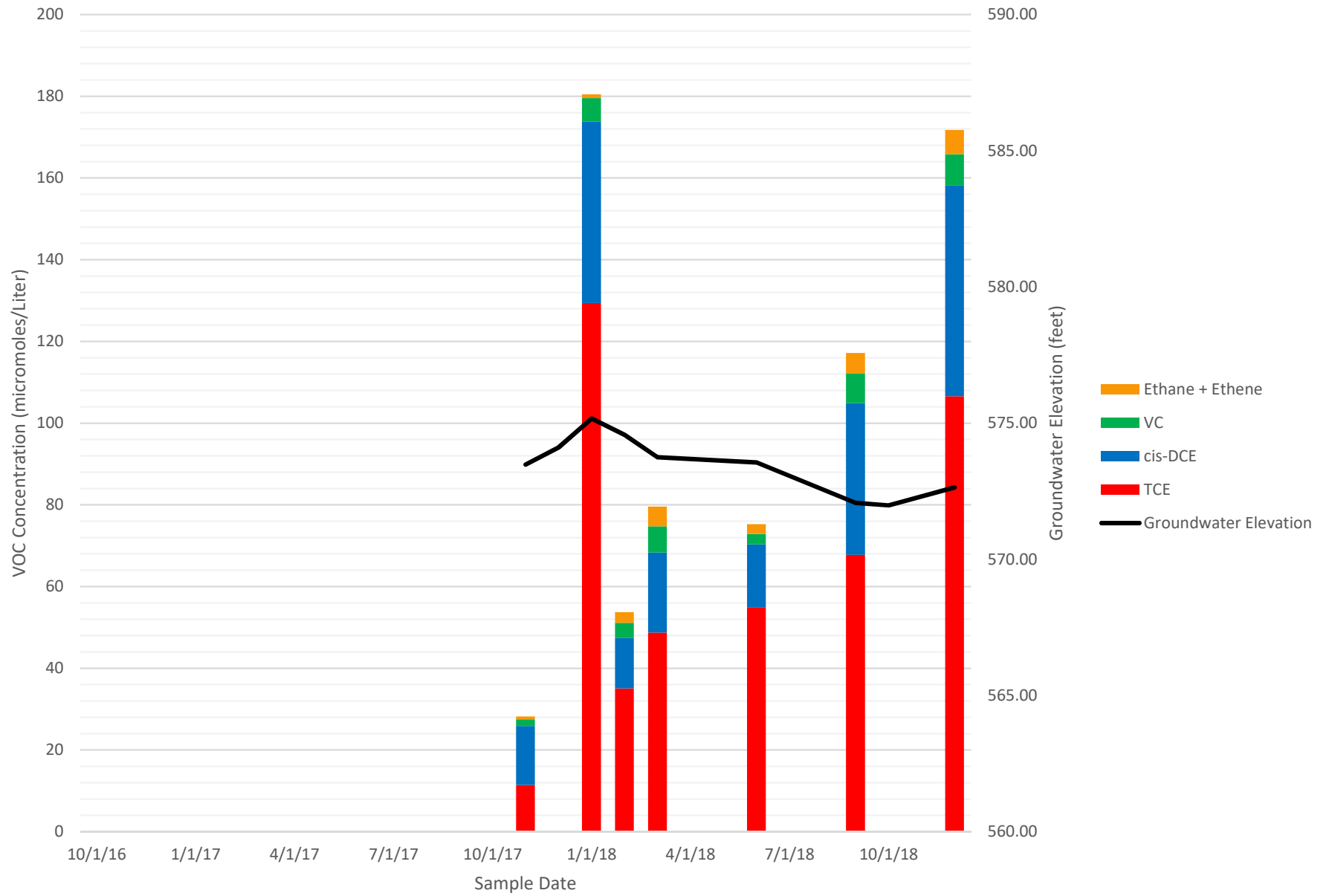
87-20(1)



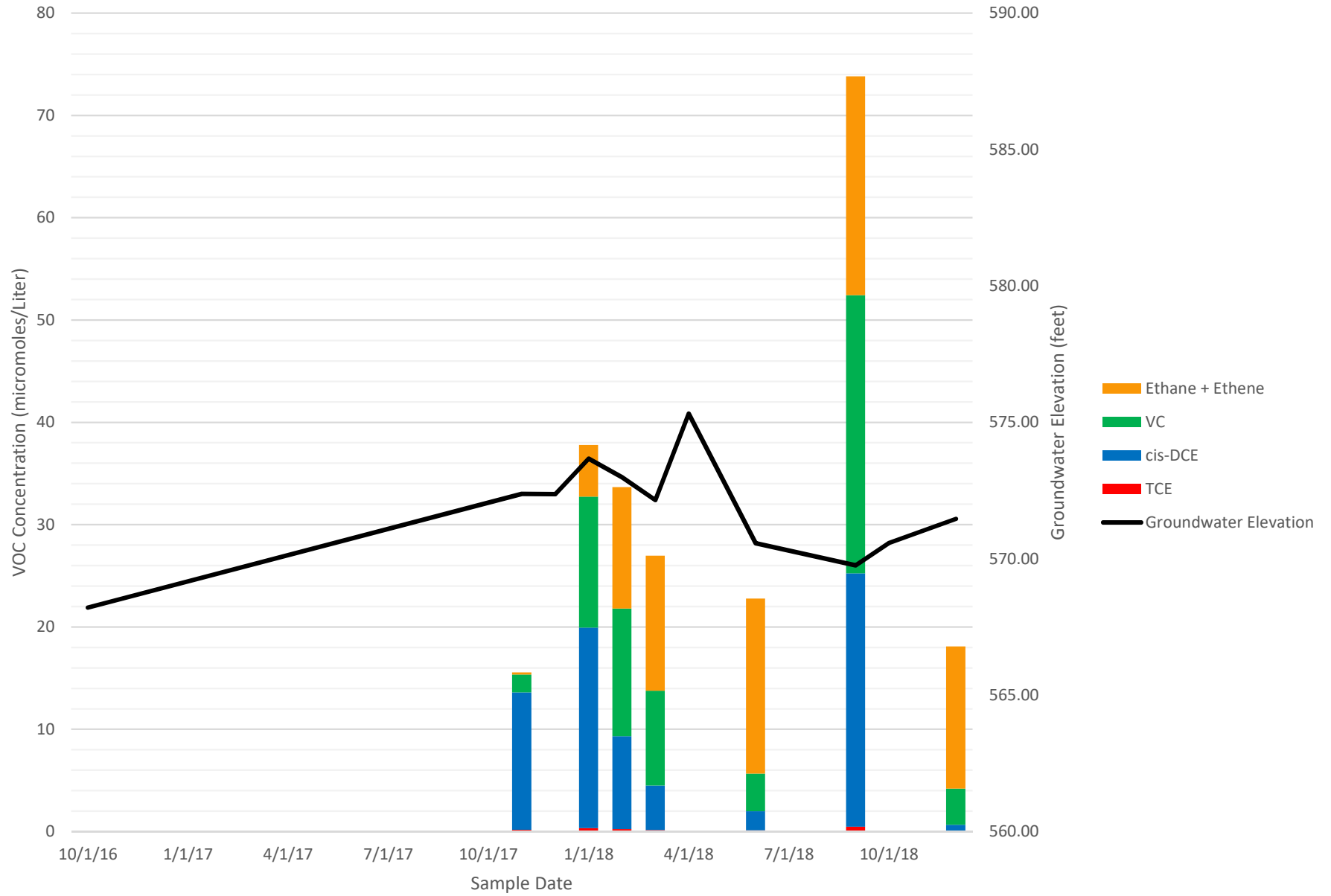
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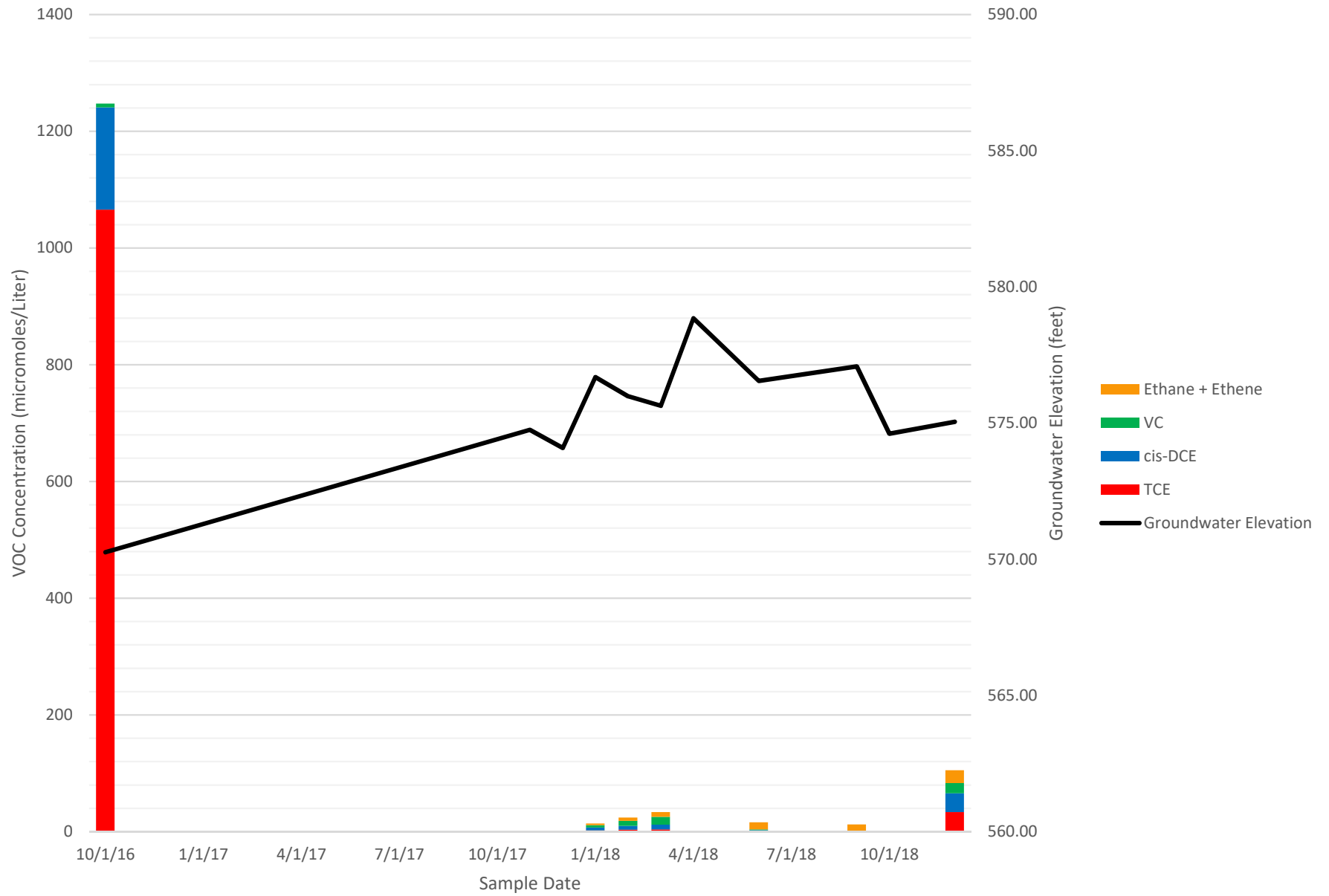
89-10(1)



89-12(1)



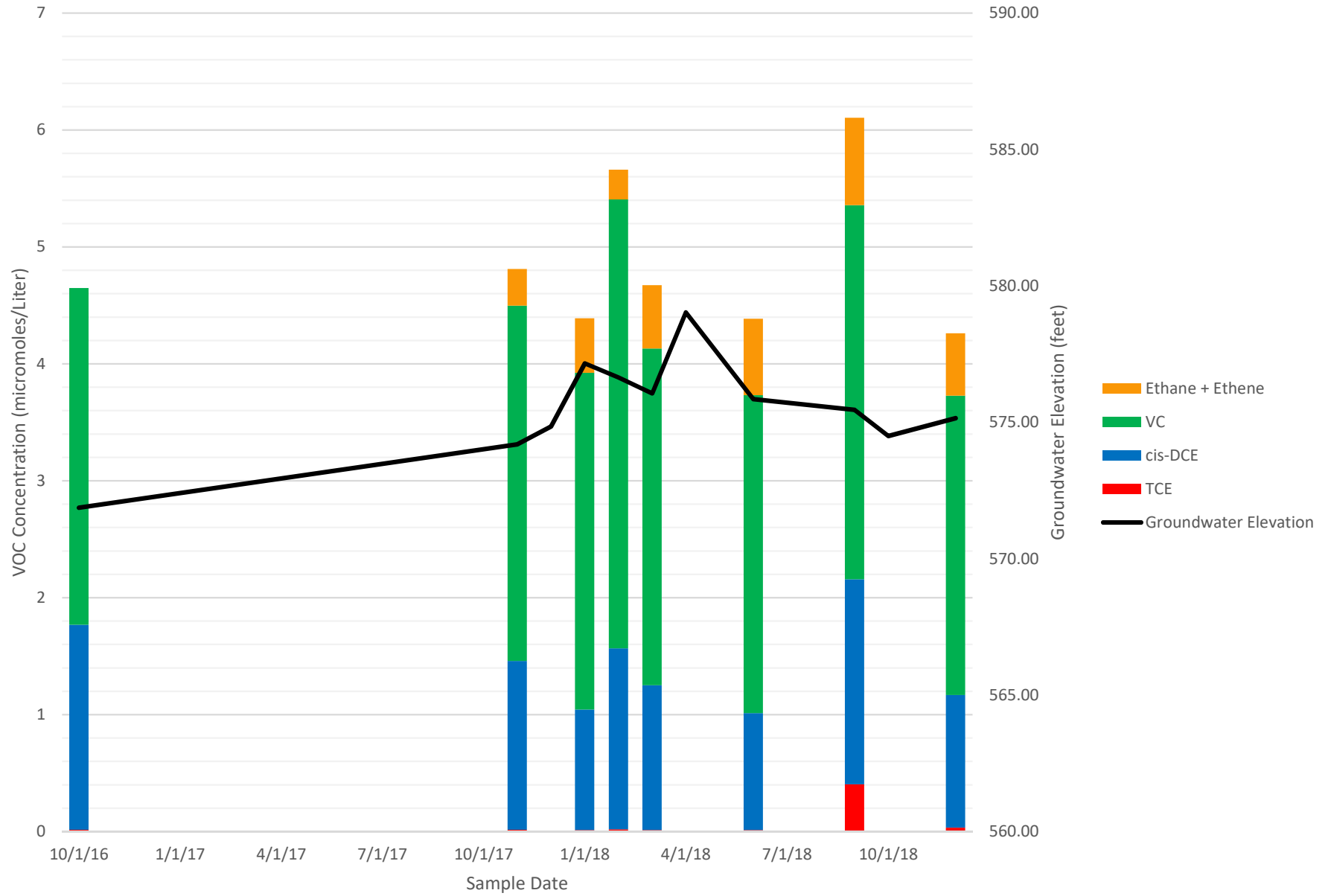
89-15(1)



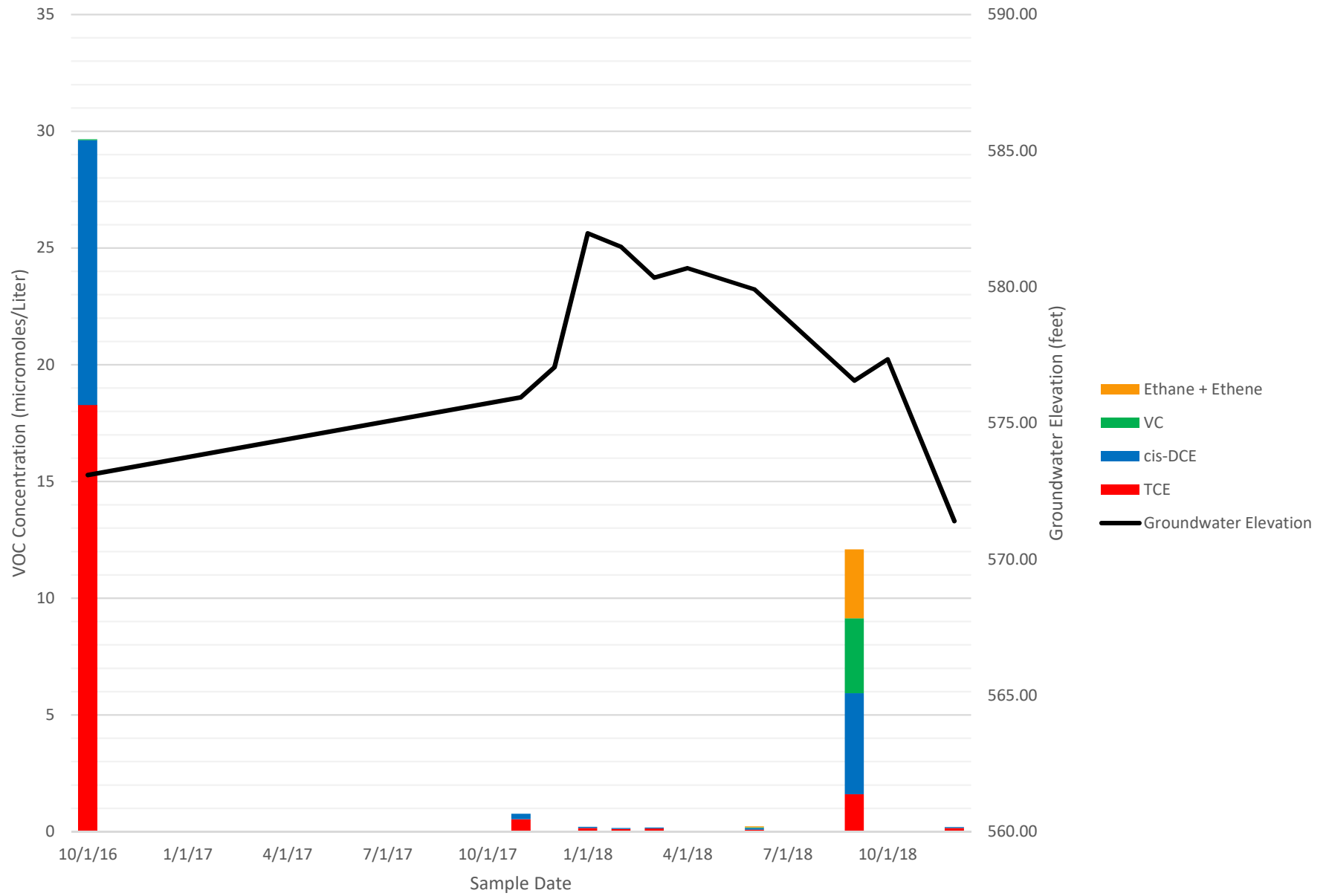
B-10A(1)



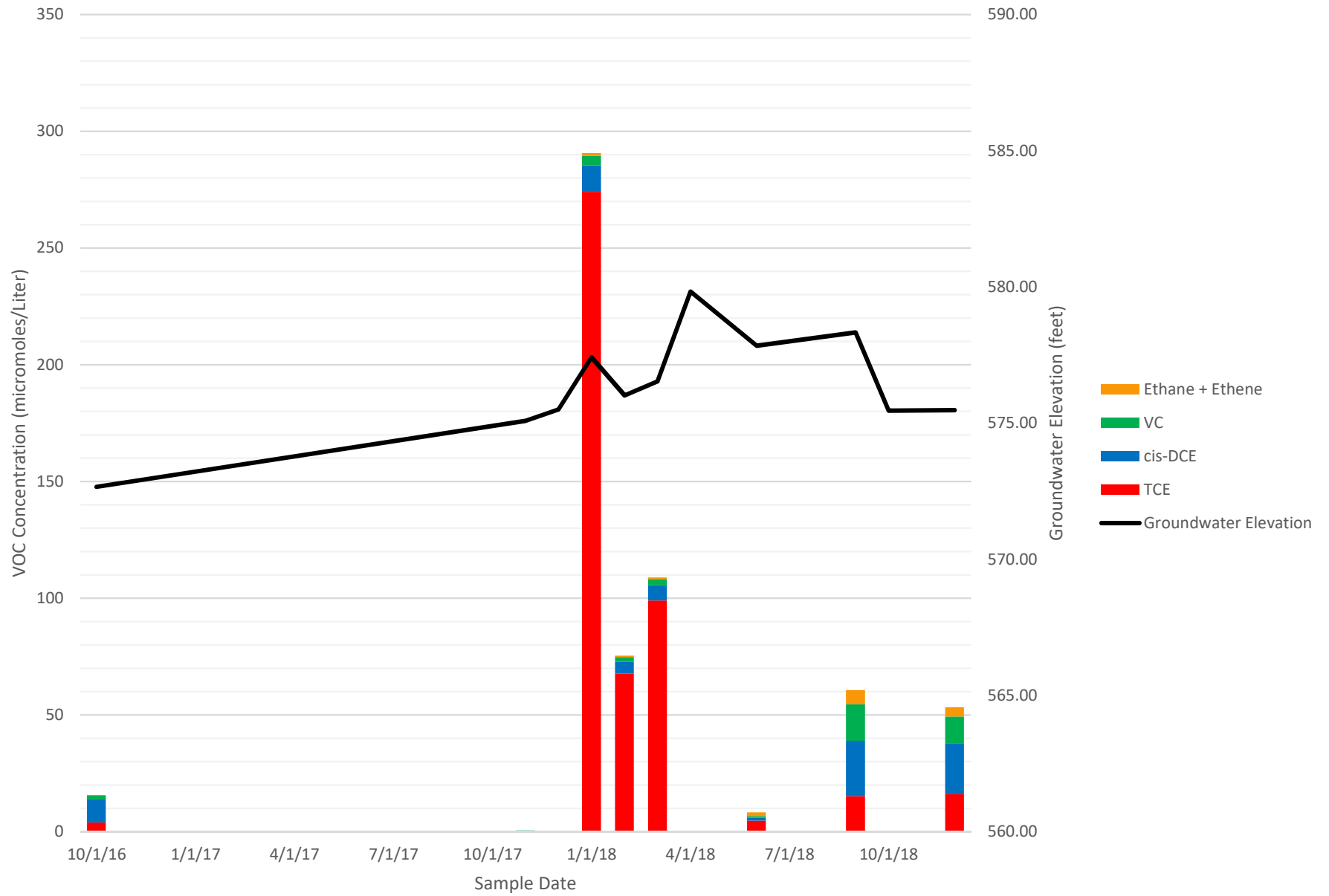
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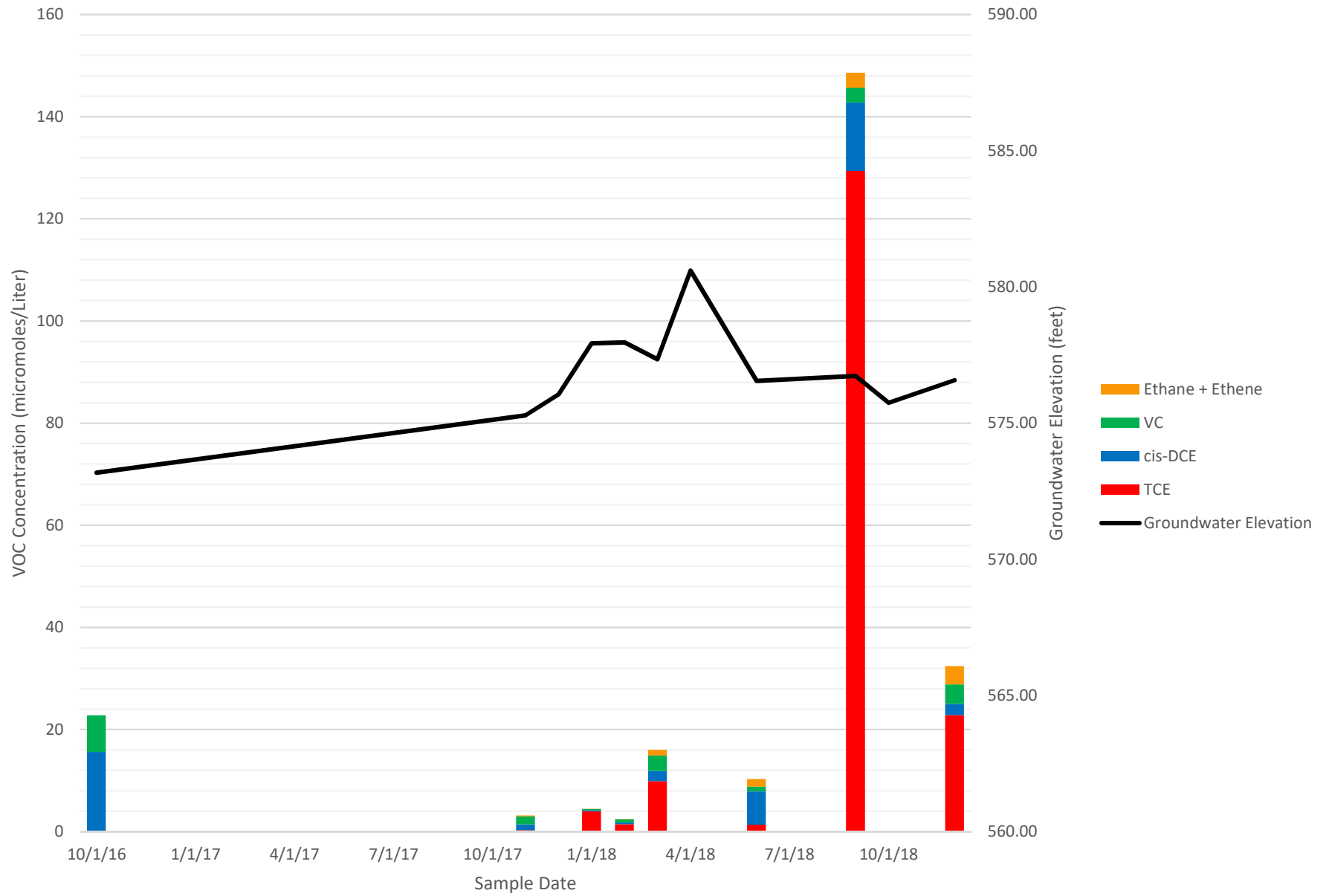
DW-9



DW-10



DW-11



DW-12

