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July 30, 2018

Steven Moeller, P.G.
Engineering Geologist 1
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2915

Subject: ***Response to Comments***
2017 Annual Summary and Site Maintenance and Monitoring Report
Textron Inc.
2221 Niagara Falls Boulevard
Wheatfield, New York
New York State Site No. 932052

Dear Mr. Moeller:

Aptim Environmental & Infrastructure, Inc. (APTIM) is in receipt of the New York State Department of Environmental Conservation's (the Department) June 19, 2018 comment letter. On behalf of Textron Inc. (Textron), APTIM has prepared this response to comments and has revised the enclosed report according to the comments.

A majority of the comments in the June 19, 2018 letter were editorial in nature and have been addressed in the revised report. Several of the items requiring additional comment or discussion are detailed below:

Comment:
Section 4.1.3 Repairs, Upgrades, and Enhancements to Systems: If system components from the "now dormant" On-Site System are being scavenged to repair the Off-Site System, can the On-Site System be rapidly reactivated, if deemed necessary (as noted in Section 5.2)?

Response:

As noted in the report, any components utilized in the repairs to the Off-Site System can be easily ordered and replaced. All components (pumps, flow meters, level sensors, etc.) were removed from the extraction wells and are being stored in the Treatment Plant building. As noted in Section 5.3.2 of the report, the treatment system operates on a recirculation loop for approximately 30 minutes per month to "exercise" the system components (valves, motors, seals, etc.). Should it become necessary to reactivate the On-Site System, it would take approximately 2 to 3 weeks to bring the system fully online. The extraction well components would need to be reinstalled and the logic programming reprogrammed to reflect the system's operational status.

Comment:
Section 5.3.1 Injection Well Installation: What size hollow-stem augers were used to advance the boring through the overburden? The boring Logs in Appendix J indicate the "Hole Size" as "4.25 inches." Is this the inner diameter of the hollow-stem augers, rather than the overburden borehole size?

The text indicated that "Once bedrock as encountered, HQ coring drilling methods were utilized." However, the boring logs in Appendix J indicate "NX Core" as the drilling method. Which core size is correct? If NX coring (~3" core hole diameter) was used to advance the borings in rock, were the boreholes reamed to a larger size before the 2-inch ID (2.4-inch OD) Schedule 40 PVC injection wells were installed?

Response:

The drilling company used 4.25-inch hollow-stem augers (inside diameter measurement) to advance through the overburden material. The resulting borehole diameter was approximately 9 inches. The HQ bedrock coring method resulted in a 3.75- to 4-inch diameter hole. The discrepancy in the method utilized on the drill log was a result of the default settings in the program used to generate the logs. Corrections have been made in the report text and associated appendix.

Textron and APTIM will continue to keep the Department updated regarding the status and data obtained from the Bioremedation Pilot Study. The most recent sampling event was completed on June 19 and 20, 2018; the preliminary results from this event were distributed by email on July 26, 2018.

APTIM and Textron appreciate the Department'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

Cecelia Byers
Project Manager

CB:lmk
Attachment: Report

cc: Mr. Greg Simpson – Textron
Mr. Brian Sadowski – NYSDEC
Mr. Stanley Radon – NYSDEC
Mr. Stephen Lawrence – NYSDOH
Ms. Charlotte Bethoney – NYSDOH
Town of Wheatfield
File

2017 ANNUAL SUMMARY AND SITE MAINTENANCE AND MONITORING REPORT

Former Bell Aerospace Facility
Wheatfield, New York

Prepared for:

Textron Inc.
40 Westminster Street
Providence, Rhode Island 02903-6028

Submitted by:

Aptim Engineering New York, P.C.
13 British American Boulevard
Latham, New York 12110-1405

Project No. 156045
March 2018
Revised July 2018

Certification

I certify that I am a New York State-registered Professional Engineer and that this project prepared 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).

Paul Farrington
Printed Name of Professional Engineer

Signature of Professional Engineer

Registration Number: 062242-I
State: New York

Date: 7/24/2018

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List of Acronyms & Abbreviations

µg/L	micrograms per liter
3DME®	3D Microemulsion® Factory Emulsified
Allied	Allied Environmental Services, Inc.
APTIM	Aptim Engineering New York, P.C.
bgs	below ground surface
CRS®	Chemical Reducing Solution®
Evoqua	Evoqua Water Technologies
ft/ft	foot per foot
gpd	gallons per day
MS	matrix spike
MSD	matrix spike duplicate
NCSD	Niagara County Sewer District
NYSDEC	New York State Department of Environmental Conservation
PFAS	perfluoroalkyl Substances
PFCs	perfluorochemicals
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
RRS	Regenesis Remediation Services
SSDS	sub-slab depressurization system
Textron	Textron Inc.
TVOC	total volatile organic compound
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

1.0 Introduction

Aptim Engineering New York, P.C. (APTIM), formerly CB&I Engineering New York, P.C., 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, 2017 through December 31, 2017. 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, 2017 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. At the treatment plant, dissolved volatile organic compounds (VOCs) are removed using an air stripper to aerate the water prior to being processed through granular activated carbon units. The recovered groundwater is ultimately discharged to the Walmore Road storm sewer under a National Pollution

Discharge Elimination System permit. Figure 1 presents a site layout showing the location of the extraction wells and the groundwater monitoring points.

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 Pilot Study discussed in Section 5.0.

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. The annual groundwater quality monitoring event typically is conducted in October but was completed in November 2017 due to the activities related to the execution of the approved Bioremediation Pilot Program discussed in Section 5.0. Semiannual groundwater monitoring was performed on April 18, 2017 and November 13 through 16, 2017 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 15 years. A summary of the water level measurements obtained during the April and November 2017 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 2017 event and Figures 4 and 5 for the November 2017 event.

2.2.1 Off-Site System

Groundwater elevation contour maps of the Zone 1 bedrock aquifer in the vicinity of the On-Site and Off-Site systems 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. The hydraulic response to pumping of the Off-Site System has remained reasonably 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 relatively consistent within the developed cone of depression, moving generally 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 November 2017 was approximately 0.0089 foot per foot (ft/ft), as determined from water levels recorded in Wells 87-20(1) and EW-2 (Figure 4). This number is generally 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 x 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 November 2017 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 November 2017 was approximately 1.67 feet per day based on the hydraulic gradient of 0.0089 ft/ft. The flow rates are comparable from year to year and consistent with historic site observations.

2.2.2 On-Site System

While the On-Site System continued to be operational and monitored to maintain the pumping rates of the six extraction wells, the decreasing trends presented show that the overall capture of VOC concentrations was declining and that the recovery system may be reaching asymptotic levels in its current configuration. Figure 5, the Zone 1 semiannual groundwater contour map from November 2017, illustrates the groundwater flow with the treatment system off line. Between January 1 and October 30, 2017, 10,827,175 gallons were processed by the On-Site System resulting in the removal of 142.1 pounds of VOCs or representing approximately 76,000 gallons of water for every pound of VOCs. Alternative remedial technologies were subsequently evaluated to augment and/or replace the existing groundwater extraction and treatment system. The chosen remedy included the use of in situ bioremediation.

Operations of the On-Site System were suspended on October 30, 2017 to initiate the Bioremediation Pilot Study. The use of the proposed in situ remediation technology is anticipated to be a more effective method to reduce the overall VOC concentrations.

All data from 2017 indicate that the desired upward gradients between Zones 3 and 1, and downward gradients between the overburden aquifer and Zone 1, were observed in the On-Site

well clusters measured. A summary of vertical hydraulic gradients between Zones 1 and 3 based on the past year's hydraulic monitoring data is included as Tables 3A and 3B. The data indicate that the hydraulic gradients range from 0.08 to 0.55 ft/ft. Maintenance of this "upward gradient" shows effective containment of the plume within Zone 1 as required in the system design specifications. It should be noted that the November 2017 hydraulic event was completed with the On-Site Treatment System off line with the consent of the NYSDEC. An upward gradient, ranging from 0.08 to 0.37 ft/ft, was maintained with the system off line.

The On-Site groundwater elevation contour map for the Zone 3 bedrock aquifer for November 2017 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. The operation of the treatment system in the Zone 1 aquifer appears to have little influence on the flow direction in the Zone 3 aquifer.

2.3 Groundwater Sampling

2.3.1 General

One supplemental groundwater sampling event was completed proactively by Textron in April 2017 to assess the performance of the Off-Site System pilot test.

The annual groundwater quality monitoring event was conducted between November 13 and 16, 2017. Table 1 lists the monitoring wells, sampling schedule, and analytical methods as required by Order on Consent Index No. 932052-01-04.

APTIM personnel performed field sampling activities according to the procedures detailed in the Groundwater Monitoring Plan. Discussions of the Off-Site and On-Site System operations, groundwater quality, and hydraulic monitoring are included in the annual report. The following sections present general trends that have been noted during the past calendar year.

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, 2017. 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 2016 monitoring event is included in Section 3.2.

Representative samples were collected from all of the 11 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 November 2017 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 55-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. 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

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 2017 calendar year.

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 July 20, 2017. 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 5, 2017.

3.0 Laboratory Analytical Methods and Results

3.1 Analytical Methods

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

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, 2017. 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 an estimated carbon disulfide concentration of 0.33 micrograms per liter (µg/L), which is below the laboratory method detection limit and New York State Groundwater Quality Standard of 60 µg/L.

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.

The results of these sampling events were presented to the NYSDEC in a letter report dated May 17, 2017; this letter report has been included as Appendix F. The NYSDEC was in agreement with the recommendation that Extraction Well EW-5 remain off line in their response letter of May 23, 2017.

3.2.2 Perfluoroalkyl Substances/1,4-Dioxane Sampling

Per NYSDEC direction (i.e., the April 5, 2017 and June 5, 2017 comment letters), groundwater samples were collected from the designated monitoring wells on October 5, 2017 to determine whether perfluorochemicals (PFCs)/perfluoroalkyl substances (PFAS) and 1-4-dioxane were present in groundwater at the site. Through a miscommunication in the field, a groundwater sample was collected from Monitoring Well 87-14(1) rather than Monitoring Well 87-14(0). A representative groundwater sample was collected from Monitoring Well 87-14(0) on October 26, 2017. Laboratory analysis of the collected samples did not detect any PFCs/PFAS above the current USEPA guidance value of 70 parts per trillion. One groundwater sample, collected from Monitoring Well 87-14(1), did detect 1,4-dioxane above the New York State guidance value of 50 parts per billion. All of the other sampled locations, including Monitoring Well 89-15(1),

which is downgradient of Monitoring Well 87-14(1), reported concentrations significantly below the guidance value.

The results of these sampling events were presented to the NYSDEC in a letter report dated December 14, 2017; a copy of the letter report has been included as Appendix G. The NYSDEC has accepted this letter report in their June 19, 2018 comment letter.

3.2.3 Annual Groundwater Sampling

The annual groundwater quality monitoring event is typically conducted in October but was completed in November due to the execution of the Bioremediation Pilot Study. Groundwater samples were collected from 23 locations during the 2017 sampling event. A comparison of these data with the October 2016 groundwater analytical results indicates that 19 sample locations showed a decrease in total VOC (TVOC) concentrations and 4 samples showed an increase in TVOC concentrations. The changes in concentration are presented on a map in Figure 7. A summary of compounds analyzed for the November 2017 monitoring event is included as Table 5, and historical analytical results for each monitoring point are included as Appendix H.

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 a significant decrease of 99.9 percent in TVOC concentrations between October 2016 and November 2017; 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 20 percent increase in TVOC concentrations between October 2016 and November 2017. These results are within established historical trends and consistent with concentrations previously observed.

The TVOC concentration versus time plot of analytical results from Extraction Well EW-4 is included as Figure 10. This location shows a 24.5 percent decrease in TVOC concentrations between October 2016 and November 2017; additionally this location shows a 45 percent decrease in TVOC concentrations when compared to the April 2017 analytical results. 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 70 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 November 2017 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 2016 and 2017, demonstrating that the operation of Extraction Well EW-5 is not necessary for control of the plume.

The extent of the dissolved phase "plume" in the shallow overburden monitoring wells (based upon the groundwater analytical results obtained from the November 2017 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 field blanks (BAT-FB-1-171114 and BAT-FB-2-17116) were prepared in the sampling area prior to the start of daily activities. Two blind duplicate samples identified as BAT-DUP-1-171114 (Extraction Well DW-9) and BAT-DUP-2-171115 (Monitoring Well 87-21(1)) were collected. Two matrix spike (MS) and matrix spike duplicate (MSD) samples were also collected from Monitoring Well 93-03(1) and Extraction Well DW-12. 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 MS/MSD and duplicate results to corresponding monitoring well data, and a review of the QC data.

Duplicates were performed on BAT-DW-9-171114 (Dup 1) and BAT-87-21(1)-171115 (Dup 2). All correlations between the parent and duplicate samples appeared to be within acceptable guidelines. MS/MSDs were performed on BAT-93-03(1)-171115 and BAT-DW-12-171113. All of the percent recoveries for the laboratory control standard were within guidelines. There were no detections in the method blanks. There were detections of chloromethane and bromomethane in the trip blanks; the detections associated with these two compounds are considered to be external contamination. Acetone was detected in both field blank samples. However, acetone is a common laboratory contaminant, and therefore, the detections of acetone are also considered to be external contamination.

All holding and analysis times were met. The data are considered usable.

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 2017 calendar year. A total of 7,060,065 gallons of groundwater was extracted by the Off-Site System during the 2017 calendar year; the volume of water discharged is measured by using either the sum of the individual well totalizers or the discharge totalizer at EW-6. Average flow rates varied from a low of 9,370 gallons per day (gpd) recorded in September 2017 to a high of 43,535 gpd recorded for November 2017. 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.

As part of an extended pilot study, Extraction Well EW-5 was taken off line on September 5, 2013. As mentioned previously, the purpose of the pilot study 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 an increase between the April and November 2017 sampling events; this increase could be attributed to fluctuations in groundwater elevation and flow rates.

Textron proposes to collect groundwater samples from Extraction Wells EW-2, EW-3, EW-4, EW-5, and EW-6 and Monitoring Well 93-03(1) in April 2018 to continue the evaluation of TVOC concentrations in these locations. The results of the April 2018 groundwater sampling event and continued operation of the extended pilot test was submitted to the NYSDEC on May 24, 2018.

4.1.2 On-Site System

Operational changes were made to the On-Site System during this reporting period; On-Site System operations were suspended on October 30, 2017 to initiate the Bioremediation Pilot Study discussed in Section 5.0. The purpose in completing this pilot program was to determine if this technology is more effective in reducing VOC concentrations in the Zone 1 aquifer. As discussed previously, groundwater quality data indicate that the groundwater extraction system may have reached the limits of its operational ability. The Treatment Plant is scheduled to remain dormant throughout 2018.

A total of 10,827,175 gallons of groundwater was recovered and treated by the On-Site System between January 1 and October 30, 2017. Daily flow rates varied from an average daily low of 12,179 gpd recorded during February 2017 and an average daily high of 49,013 gpd recorded during June 2017. These pumping and flow rates are based upon the monthly effluent totalizer

readings and are reported monthly to the NYSDEC in the Discharge Monitoring Reports. While operations are suspended due to the Bioremediation Pilot Study, monthly Discharge Monitoring Reports will continue to be electronically submitted showing "no discharge" per NYSDEC directions.

4.1.3 Repairs, Upgrades, and Enhancements to Systems

During the course of operation in 2017, several maintenance and repair events were completed in order to assure that the groundwater extraction systems remained operational.

Water production through the treatment system had been declining at the end of 2016 because of high liquid levels measured in Feed Tank TK-1. This feed tank reached high alarm levels and the treatment system stopped producing water at the beginning of January 2017; it was shut down remotely on January 2 until personnel could visually inspect and assess the problem. On January 5, the water in TK-1 was processed through the system, returning tank levels to normal and the system was restarted. TK-1 continued to accumulate water faster than the discharge rate to the rest of the system. On January 19, 2017, Allied Environmental Services, Inc. (Allied) was on site to clean out sediment and change the feed pump in TK-1, and bypass the carbon units in order to test which system component was limiting the flow rate. It was subsequently determined that the carbon vessels were the limiting factor of the system flow rate. On February 10 and 11, 2017, the carbon vessels were emptied and refilled by Evoqua Water Technologies (Evoqua); the spent carbon was transported under hazardous manifest to Evoqua's regeneration facility.

On February 20, 2017, APTIM personnel restarted the system and the well field. Allied returned to the site to assess system operations and pump functions. The system was restarted without incident. State Pollutant Discharge Elimination System samples representing the January reporting period were collected on February 21, 2017 as discussed in Section 3.2.

On April 10, 2017, APTIM and Allied personnel completed operations and maintenance activities on the Off-Site System extraction wells. These activities included the removal and cleaning the pumps, level sensors, and flow meters.

On June 1, 2017, the On-Site System was shut down for several hours to complete the video inspection of the extraction wells as discussed in Section 5.0.

A leak in the piping at the base of Carbon Vessel A was detected on June 19, 2017. This vessel was isolated, bypassed, and drained. Carbon Vessels B and C remain online while the system was operational.

The On-Site Treatment System was taken off line from September 23 through 25, 2017 because power to the Wheatfield Business Park was suspended while National Grid replaced a power pole along Walmore Road.

Allied personnel mowed the utility right-of-way area of the Off-Site System to maintain access to the extraction wells on September 29, 2017.

Between October 30, 2017 and November 2, 2017, Aztech Environmental and APTIM personnel performed operations and maintenance activities of the Off-Site System, removed equipment from the On-Site extraction wells, and prepared the system for a prolonged dormancy. System components from extraction wells (pumps, flow meters, level sensors) from the now dormant On-Site System were utilized to replace non-operational components in the Off-Site System extraction wells where needed. New components can be ordered, should it become necessary to reactivate the treatment system. It would take approximately 2 to 3 weeks to bring the On-site system fully online, if needed. The extraction well components would need to be installed and the logic programming reprogrammed to reflect the system's operational status.

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 2017 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. 16-07, effective January 31, 2016), 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 October 5, 2017 indicate that Textron remains in compliance with the NCSD permit. Copies of the letter reports submitted to the NCSD are included as Appendix J.

4.2.2 On-Site System

As required by Textron's State Pollution Discharge Elimination System Permit No. NY0000469, the extracted and treated groundwater discharged to the Walmore Road storm sewer is monitored for VOCs on a monthly basis. The On-Site System had two recordable down time events during this monitoring period. The first was a prolonged event (January 2 through February 20) related to multiple system issues limiting flow. The second down time event was from September 23 through 25, which occurred because National Grid replaced a utility pole along Walmore Road,

cutting power to Wheatfield Business Park. 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.

4.2.3 Site Inspections

As of the date of this report, APTIM personnel have not been contacted by the Niagara County Department of Health to schedule an annual inspection for 2017.

Ms. Kathleen Emery with the NYSDEC performed a site visit on March 1, 2017 as part of Hazardous Waste Compliance Inspection. Ms. Emery's inspection report of March 3, 2017 stated that there were no violations observed.

4.3 Evaluation

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

Forty groundwater monitoring events have been performed since the startup of the Off-Site System in 1993; the last 36 events have been completed under the combined Off-Site and On-Site Effectiveness Monitoring Program. During the 2017 annual sampling event, all of the 11 monitoring wells and 12 extraction wells were sampled for VOCs via USEPA SW-846 Method 8260B. The analytical results from this sampling event show concentrations and trends similar to the established historical fluctuations detected during previous events. The analytical results obtained during 2017 show decreases in VOC concentrations in 19 of the 23 sampled locations.

4.3.2 Hydraulic Response for Off-Site and On-Site Systems

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 November 2017 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.

On-Site System

Field data from the April 2017 hydraulic monitoring event (Table 2) indicate that the desired downward hydraulic gradient between the overburden and Zone 1 is present in all eight of the On-Site well pairs measured (well pairs 87-01, 87-04, 87-10, 87-13, 87-14, 87-15, 87-17, and 87-18). Additionally, field data obtained during the November 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 87-04, 87-01, 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 also indicate that an upward hydraulic gradient between Zone 3 and Zone 1 is present in all of the well pairs measured (87-02, 87-04, 87-05, 87-13, 87-14, and 87-15) during both the April and November 2017 monitoring events. Tables 3A and 3B present a summary of vertical hydraulic gradients between Zones 1 and 3 from the April and November hydraulic monitoring data, respectively. The field data indicate that gradients range from 0.08 foot to 0.55 foot (upward). Maintenance of this "upward gradient" shows effective containment of the plume within Zone 1; the numbers presented in Table 3B were obtained with the treatment system off line.

4.4 Routine Operational Corrective Measures

Inspection of the On-Site treatment facility was conducted every two weeks between January 1 and December 31, 2017 by APTIM personnel. During these inspections, flow meters were read, routine operations and maintenance activities were performed, equipment was re-set or adjusted as necessary, and any other activity required to maintain system functions was completed. Eight 55-gallon drums of Redux-525™ have been utilized during this monitoring period to reduce the inorganic deposition and biofouling of the air stripper.

Hazardous waste shipments left the facility on February 11, March 3, August 1, October 23, and December 18, 2017.

- February (Manifest No. 010808668 JJK) - 5 bags of spent carbon (8,169 pounds)
- March (Manifest No. 016314128 JJK) - one drum of spent filter socks one drum of tank sediment generated during the cleaning of TK-1
- August (Manifest No. 001508866 PSC) - one drum of spent filter socks
- October (Manifest No. 017482994 JJK) - one drum of spent filter socks
- December (Manifest No. 010957647 FLE) - eight drums of nonhazardous waste soils generated through the installation of the injection wells and four drums of purge water generated during the November groundwater sampling events

5.0 Bioremediation Pilot Study

A bioremediation pilot program was completed 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.

APTIM personnel collected additional subsurface information between May 22 and June 1, 2017 on the Zone 1 water-bearing unit and the extent of chlorinated VOC-impacted groundwater prior to the development of the Bioremediation Work Plan. The data obtained were used to support the design of the bioremediation scope of work. A summary of the data generated is provided in the following sections. A photographic log of field activities has been provided in Appendix K.

5.1 Historical Data Review and Additional Information

APTIM personnel reviewed available relevant reports provided by the NYSDEC regarding remedial activities completed at neighboring sites to summarize regional and site-specific geological, hydrogeological, and chemical characteristics relevant to the design of an in situ bioremediation technology application. In addition, information regarding the methodologies and efficiency of an in situ bioremediation treatment at an adjacent facility provided additional lines of evidence to aid in the development and evaluation regarding the potential application in similar environmental settings near the site.

Groundwater Sampling Results

Select Zone 1 monitoring wells were sampled during 2017 for chlorinated VOC analyses using USEPA Method 8260 to develop a data set of current chlorinated VOC concentrations within the area to be targeted by the proposed in situ bioremediation program. The results from these voluntary sampling events are presented in Table 6.

The results of these sampling events were considered to be representative of baseline conditions for the treatment area. Higher concentrations of chlorinated VOCs were found at locations in close proximity to the former Neutralization Pond and decreasing concentrations of chlorinated VOCs were detected in monitoring wells progressing hydraulically downgradient from the former Neutralization Pond.

Additional groundwater samples were collected from selected monitoring wells (Monitoring Wells 87-02(1), 87-02(3), 87-05(1) 87-13(1), and 87-13(3)) in April 2016 to evaluate whether in situ bioaugmentation could address dissolved chlorinated VOCs. These analyses provided additional lines of evidence regarding the presence of naturally occurring complete anaerobic dechlorination as the source of the reduction of trichloroethene to ethane in the groundwater.

Monitoring Well Construction Detail Survey

A survey of existing monitoring wells within Zone 1 was completed to establish the available network of monitoring wells that could be used for monitoring or injection as part of the proposed bioremediation program. A waterproof down-hole camera with LED light was used to view the condition of these monitoring wells and record the depth and length of the screened interval.

Potable Water Injection Tests

On May 30 and 31, 2017, short-term potable water injection tests were completed at four monitoring well locations (87-02(1), 87-04(1), 87-13(1), and 87-14(1)) to evaluate the feasibility of fluid injection and the approximate radius of influence for the design of the bioremediation injection program into the Zone 1 water-bearing unit. The injection tests used approximately 500 gallons of potable water at each of these locations. During the injection, surrounding monitoring wells were observed for changes in water levels resulting from the injection of potable water.

Three of the four locations showed the ability to accept injected water at a minimum rate of 10 gallons per minute. In general, groundwater levels increased in monitoring wells located up to approximately 175 feet from the injection location upon initiation of the injection. Water level increases relative to static water levels were typically most significant in wells located within 100 to 125 feet extending radially from the injection location.

Monitoring Well 87-13(1) did not display the same ability to accept the injected water relative to the other injection test locations. An injection rate of 3.5 gallons per minute was the maximum that could be sustained at this location. However, a radius of influence, as measured by increases in groundwater elevations in surrounding monitoring wells, was still observed at a distance greater than 175 feet as was observed with other inject test locations.

The injection tests were determined to be successful and the data obtained were considered in the designed spacing of injection points and determination of injection volumes.

5.2 Work Plan

Using the data discussed above, a Bioremediation Work Plan was produced and submitted to the NYSDEC for approval on August 14, 2017. The NYSDEC responded with comments and approval on October 3, 2017. NYSDEC requested stipulations that the On-Site Treatment System be able to be reactivated if deemed necessary and requested that Monitoring Wells 87-20(1), 87-21(1), and 87-12(1) be included in the Bioremediation Monitoring Network.

5.3 Implementation of Field Activities

The initiation of field activities in support of the Bioremediation Work Plan began on October 6, 2017 with a utility location survey around the proposed injection wells and sanitary sewer line along Walmore Road.

5.3.1 Injection Well Installation

Five new injection wells designated 17-01(1), 17-02(1), 17-03(1), 17-04(1), and 17-05(1) were installed into the Zone 1 bedrock and one existing location (87-11(1)) was repaired between October 9 and October 19, 2017. The injection points were installed using hollow-stem augers and HQ core drilling techniques under the supervision of an APTIM geologist. The boreholes for each of the proposed injection points were advanced into the bedrock surface using hollow-stem augers. Bedrock was encountered between 13 and 17.5 feet below ground surface (bgs). Once bedrock was encountered, HQ coring drilling methods were utilized to retrieve the bedrock cores. Coring advanced to depths of 32 to 34.5 feet bgs.

The injection points were constructed with a 10-foot 2-inch inside diameter, Schedule 40 polyvinyl chloride (PVC) flush joint, threaded, factory slotted, 0.020-inch screen extending from 22 to 32 feet bgs in 17-04(1) and 17-05(1) and 24 to 34 feet bgs in 17-01(1) and 17-02(1). Injection point 17-03(1) was constructed using 15 feet of screen (extending from 32 feet to 17 feet bgs) because fewer fractures were observed in the Zone 1 bedrock cores at this location. A sand pack filter was installed in the annular space between the borehole wall and the PVC well screen from the terminal depth of 2 feet above the screened zone. A 2-foot-thick bentonite seal was installed using bentonite pellets above the sand filter pack and hydrated with potable water. A concrete mix was placed above the bentonite seal to the ground surface. These injection wells were completed with flush-mounted covers and thermos-type locking caps. Each of the injection points was developed following installation to remove any residual solids from the filter pack and screen. Copies of the drilling logs are included as Appendix L.

All soil waste generated during drilling was placed in U.S. Department of Transportation-approved drums, characterized, and disposed of by Textron's selected waste contractor. All liquids generated were staged by the treatment plant to allow any solids to separate out before introducing the liquid to the system for treatment and discharge.

On October 23, 2017, the five newly installed injection points, repaired location, and four additional locations were professionally surveyed by a New York State licensed surveyor for location and elevation data.

5.3.2 Treatment System Operational Changes

The On-Site Groundwater Treatment System was taken off line at 0945 on October 30, 2017. All of the electronic equipment, including pumps, flow meters, and level sensors, were removed from the six extraction wells. This equipment was staged in the treatment building if needed in the future. In order to maintain the equipment and keep the treatment system in a state of readiness, a recirculation loop was installed. This loops includes Tank 1, bag filters, air stripper, and return line to Tank 1 and is operated with domestic water stored in a holding tank. The system will be run in this loop monthly for 30 minutes to maintain system components.

5.3.3 Baseline Groundwater Samples

Groundwater samples were collected from each of the new injection points as well as baseline groundwater samples for the bioremediation program and submitted for laboratory analysis of chlorinated VOCs using Method 8260B during the week of November 13, 2017. The results of this sampling event are presented in Table 6. This sampling event was combined with the Annual Groundwater Monitoring Program to maximize resources and minimize costs. Purge water generated during this sampling event was placed in U.S. Department of Transportation-approved drums, characterized, and disposed of by Textron's selected waste contractor.

5.3.4 Application

The injection portion of field activities was completed by Regenesis Remediation Services (RRS) in two phases. The first phase was conducted between November 27 and December 5, 2017 and the second phase was conducted between December 11 and December 20, 2017. A total of 36,000 pounds of 3D Microemulsion® Factory Emulsified (3DME®), 18,000 pounds of Chemical Reducing Solution® (CRS®), and 45 liters of bioaugmentation culture SDC-9™ was injected into 10 locations.

RRS mixed the 3DME® and CRS® with potable water prior to injection into the designated 2-inch wells in the treatment area. The potable water for mixing was provided by the Wheatfield Water Department via a nearby fire hydrant and transported to the RRS trailer using a 2,000-gallon water truck. The mixing solution and water was treated with a sodium bisulfite to remove any dissolved oxygen to keep the solution in an anaerobic state. During the application process, the SDC-9™ culture was "slipped stream injected" to minimize atmospheric exposure. Observed injection pressures ranged from 0 to 50 pounds per square inch and flow rates were maintained between 5 and 16 gallons per minute.

Six of the 11 injection locations received the prescribed amount of material (4,151 total gallons containing 3,272 pounds of 3DME®, 1,636 pounds of CRS®, and 4.1 liters of SDC-9™). Three locations were unable to accept the complete amounts of material due to proximity and "short circuited" into the sanitary sewer line along Walmore Road. During injection at 17-01(1) and 87-04(1), material was observed in the sanitary sewer; the breakthrough continued even at reduce pressures and flow rates, so injection at these locations ceased. Injection was not attempted at 87-10(1) because of these observations. The material that could not be utilized in these three locations was injected into 17-04(1) and 17-02(1) which were selected based on baseline analytical results, position within the plume, and ability to accept the additional material. Table 7 summarizes the material and rates applied at each of the injection locations.

Follow-up groundwater monitoring events will be completed in 2018 to assess the effectiveness of this bioremediation technology.

6.0 Summary

6.1 Hydraulic Monitoring Data

Water level measurements were obtained from all of the monitoring wells and extraction wells in April 2017 and November 2017; measurements are summarized in Table 2. A review of these data indicates that the Off-Site groundwater recovery system is performing as designed and continue 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 2017 groundwater monitoring event data by comparing the detected analyte concentrations with available historical data. The results of the November 2017 monitoring event show similar variances in analyte concentrations detected during previous sampling events at the site for both monitoring and extraction wells. Nineteen of the 23 sampled locations showed decreases in TVOC concentrations between the October 2016 and November 2017 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 is scheduled to remain 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 Recommendations for Future Groundwater Monitoring and System Operations

The performance of the Off-Site System will continue to be monitored. Minor adjustments will be performed 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; existing data indicate that this configuration has been successful to induce the edge of the dissolved phase "plume" in a northerly direction. While the extent of the plume has

remained stable in its new position, TVOC concentrations in Extraction Well EW-6 increased between the October 2016 and November 2017 sampling events. Textron proposes to collect groundwater samples from Extraction Wells EW-2, EW-3, EW-4, EW-5, and EW-6 and Monitoring Well 93-03(1) in April 2018 to document the TVOC concentrations in these locations and monitor the system's ability to maintain control of the plume. The results of the groundwater sampling event and shutdown of Extraction Well EW-5 will be discussed with the NYSDEC upon receipt and evaluation of these 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 is scheduled to remain dormant throughout 2018.

6.5 Bioremediation Pilot Study

Follow-up groundwater monitoring for the Bioremediation Pilot Study will be completed during 2018 (January, February, March, June, September, and December) as detailed in the Bioremediation Work Plan. The initial results and a 6-month status report will be presented to the NYSDEC during the pilot program. A completion report detailing all phases of work, analytical results, and recommendations for the continuation of the program will be submitted to the NYSDEC at the completion of the 12-month study period.

7.0 References

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."

CB&I Environmental & Infrastructure, Inc., February 2015. "2014 Annual Summary and Site Maintenance and Monitoring Report," Former Textron Inc., Wheatfield, New York, Facility.

Tables

Table 1
Groundwater Monitoring Points - On-Site and Off-Site
Effectiveness Monitoring Programs
Former 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
2017 Annual Summary
Former Textron Inc.
Wheatfield, New York

Well Name	Top of Riser Elevation (ft MSL)	April 18, 2017		November 13, 2017	
		Water Level (ft BTOR)	Water Level Elevation (ft MSL)	Water Level (ft BTOR)	Water Level Elevation (ft MSL)
87-01(0)	588.10	13.22	574.88	14.20	573.90
87-01(1)	587.99	17.66	570.33	17.31	570.68
87-02(1)	589.21	17.24	571.97	15.67	573.54
87-02(3)	588.63	12.78	575.85	12.63	576.00
87-04(0)	589.32	10.23	579.09	10.03	579.29
87-04(1)	589.08	14.71	574.37	14.46	574.62
87-04(3)	589.49	12.43	577.06	12.30	577.19
87-05(1)	589.37	15.23	574.14	14.50	574.87
87-05(3)	589.46	12.24	577.22	12.18	577.28
87-08(1)	589.48	14.00	575.48	13.76	575.72
87-10(0)	587.30	13.59	573.71	13.25	574.05
87-10(1)	587.52	15.84	571.68	14.68	572.84
87-12(1)	583.84	16.12	567.72	16.03	567.81
87-13(0)	589.77	8.68	581.09	8.74	581.03
87-13(1)	590.06	15.42	574.64	14.98	575.08
87-13(3)	589.91	12.54	577.37	12.59	577.32
87-14(0)	589.56	8.50	581.06	9.76	579.80
87-14(1)	589.06	14.03	575.03	13.89	575.17
87-14(3)	590.35	12.57	577.78	12.78	577.57
87-15(0)	590.70	11.13	579.57	11.06	579.64
87-15(1)	590.27	13.12	577.15	13.20	577.07
87-15(3)	589.87	12.01	577.86	12.25	577.62
87-16(3B)	590.51	12.86	577.65	13.01	577.50
87-17(0)	589.50	11.14	578.36	11.50	578.00
87-17(1)	589.62	12.20	577.42	12.23	577.39
87-18(0)	585.95	10.72	575.23	9.78	576.17
87-18(1)	586.02	18.67	567.35	18.68	567.34
87-19(1)	581.47	13.32	568.15	13.25	568.22
87-20(0)	578.77	7.25	571.52	6.67	572.10
87-20(1)	579.01	11.25	567.76	11.16	567.85
87-21(1)	577.33	9.74	567.59	9.88	567.45
87-22(1)	583.97	15.97	568.00	15.91	568.06

See notes at end of table.

Table 2
Hydraulic Monitoring Data
2017 Annual Summary
Former Textron Inc.
Wheatfield, New York

Well Name	Top of Riser Elevation (ft MSL)	April 18, 2017		November 13, 2017	
		Water Level (ft BTOR)	Water Level Elevation (ft MSL)	Water Level (ft BTOR)	Water Level Elevation (ft MSL)
89-04(1)	575.17	5.25	569.92	5.01	570.16
89-12(1)	586.62	15.48	571.14	14.24	572.38
89-14(0)	587.51	9.29	578.22	9.71	577.80
89-14(1)	587.59	13.31	574.28	12.91	574.68
89-15(1)	588.76	16.02	572.74	14.01	574.75
93-03(1)	572.30	9.67	562.63	10.08	562.22
96-01(1)	585.18	17.22	567.96	17.16	568.02
B-8(0)	590.26	7.55	582.71	7.42	582.84
B-14(1)	589.54	15.67	573.87	15.35	574.19
EW-2	568.15	8.46	559.69	8.62	559.53
EW-3	569.56	9.65	559.91	17.75	551.81
EW-4	570.07	38.20	531.87	26.90	543.17
EW-5	569.47	8.51	560.96	8.85	560.62
EW-6	568.17	9.24	558.93	9.33	558.84
EW-7 (**)	580.96	13.87	567.09	13.38	567.58
EW-8 (**)	578.44	10.27	568.17	10.05	568.39
DW-9 (**)	581.30	5.85	575.45	5.35	575.95
DW-10 (**)	583.95	9.45	574.50	8.87	575.08
DW-11 (**)	583.05	8.96	574.09	7.77	575.28
DW-12 (**)	580.48	10.20	570.28	7.47	573.01
EW-13	579.84	15.40	564.44	15.38	564.46

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 2017 Hydraulic Monitoring Event
Former 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	17.24	April 18, 2017	571.97	3.88	7.00	0.55
87-02(3)	588.63	12.78		575.85			
87-04(1)	589.08	14.71	April 18, 2017	574.37	2.69	7.00	0.38
87-04(3)	589.49	12.43		577.06			
87-05(1)	589.37	15.23	April 18, 2017	574.14	3.08	7.00	0.44
87-05(3)	589.46	12.24		577.22			
87-13(1)	590.06	15.42	April 18, 2017	574.64	2.73	7.00	0.39
87-13(3)	589.91	12.54		577.37			
87-14(1)	589.06	14.03	April 18, 2017	575.03	2.75	7.00	0.39
87-14(3)	590.35	12.57		577.78			
87-15(1)	590.27	13.12	April 18, 2017	577.15	0.71	7.00	0.10
87-15(3)	589.87	12.01		577.86			

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

DNAPL Extraction Wells DW-9, DW-10, DW-11, and DW-12 were off line with NYSDEC consent at the time of this event.

Table 3B
Summary of Vertical Hydraulic Gradients
November 2017 Hydraulic Monitoring Event
Former 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	15.67	November 13, 2017	573.54	2.46	7.00	0.35
87-02(3)	588.63	12.63		576.00			
87-04(1)	589.08	14.46	November 13, 2017	574.62	2.57	7.00	0.37
87-04(3)	589.49	12.30		577.19			
87-05(1)	589.37	14.50	November 13, 2017	574.87	2.41	7.00	0.34
87-05(3)	589.46	12.18		577.28			
87-13(1)	590.06	14.98	November 13, 2017	575.08	2.24	7.00	0.32
87-13(3)	589.91	12.59		577.32			
87-14(1)	589.06	13.89	November 13, 2017	575.17	2.4	7.00	0.34
87-14(3)	590.35	12.78		577.57			
87-15(1)	590.27	13.20	November 13, 2017	577.07	0.55	7.00	0.08
87-15(3)	589.87	12.25		577.62			

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

Table 4
Summary of Field Sampling Measurements and Observations
November 2017 Annual Monitoring Event
Former 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-87-14(0)-171116	87-14(0)	11/16/2017	9.70	3	7.15	7.30	1.27	1.26	12.77	12.11	4	4	Turbid light brown, poor recharge
BAT-87-17(1)-171114	87-17(1)	11/14/2017	12.23	10	7.43	7.26	2.548	2.568	14.27	13.56	4	4	Clear
BAT-87-19(1)-171115	87-19(1)	11/15/2017	13.25	10	7.58	7.17	1.169	1.893	13.49	12.69	4	4	Clear
BAT-87-20(0)-171115	87-20(0)	11/15/2017	6.67	1.8	7.03	6.95	1.204	0.772	12.62	12.27	4	4	Light gray, turbid; poor recharge
BAT-87-20(1)-171114	87-20(1)	11/14/2017	11.16	11	7.36	7.31	1.666	1.953	14.26	13.95	4	4	Clear
BAT-87-21(1)-171115	87-21(1)	11/15/2017	9.88	12	7.67	7.39	1.078	1.053	13.94	13.27	4	4	Clear; BAT-DUP-2-171115
BAT-87-22(1)-171114	87-22(1)	11/14/2017	15.91	8	7.40	7.08	1.928	2.414	11.83	11.33	4	4	Clear
BAT-89-14(1)-171115	89-14(1)	11/15/2017	12.91	9	6.94	6.73	2.286	3.068	13.33	12.66	4	4	Clear
BAT-89-15(1)-171114	89-15(1)	11/14/2017	14.01	10.5	7.64	7.39	1.301	1.545	14.84	14.24	4	4	Clear
BAT-93-03(1)-171115	93-03(1)	11/15/2017	10.08	18	6.80	6.74	3.068	3.069	11.28	10.73	4	4	Clear; MS/MSD
BAT-B-14(1)-171113	B-14(1)	11/13/2017	15.35	3	7.38	7.26	2.389	2.472	12.49	12.42	1	1	Clear

See notes at end of table.

Table 4
Summary of Field Sampling Measurements and Observations
November 2017 Annual Monitoring Event
Former 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-9-171114	DW-9	11/14/2017	5.35	-	-	-	-	-	-	-	-	4	Clear, BAT-DUP-1-171114
BAT-DW-10-171114	DW-10	11/14/2017	8.87	8	8.56	8.39	0.420	0.420	13.98	13.65	4	4	Clear
BAT-DW-11-171113	DW-11	11/13/2017	7.77	3	8.09	8.04	2.035	2.219	14.96	15.42	4	4	Clear
BAT-DW-12-171113	DW-12	11/13/2017	7.47	8	8.01	8.05	0.692	0.697	15.01	15.04	4	4	Clear; MS/MSD
BAT-EW-2-171115	EW-2	11/15/2017	8.62	3	7.81	7.49	1.095	1.097	10.88	11.01	2	2	Clear
BAT-EW-3-171115	EW-3	11/15/2017	17.75	5	6.83	6.73	2.604	2.615	10.88	11.16	2	2	Clear
BAT-EW-4-151115	EW-4	11/15/2017	26.90	6	6.89	6.79	2.030	2.004	11.21	11.37	2	2	Clear
BAT-EW-5-171115	EW-5	11/15/2007	8.85	4	6.78	6.56	1.115	1.123	10.57	10.54	2	2	Clear
BAT-EW-6-171115	EW-6	11/15/2017	9.33	4	7.32	7.24	1.665	1.749	9.87	10.30	4	4	Clear
BAT-EW-7-171115	EW-7	11/15/2017	13.38	5	7.36	7.20	1.383	1.394	15.33	15.35	4	4	Clear
BAT-EW-8-171114	EW-8	11/14/2017	10.05	9	7.27	7.17	1.414	1.545	15.74	15.63	4	4	Clear
BAT-EW-13-171115	EW-13	11/15/2017	15.38	8	7.07	6.89	1.73	2.00	15.54	15.48	4.00	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 Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-14(0)	87-17(1)	87-19(1)	87-20(0)
SAMPLE I.D.		BAT-87-14(0)-171116	BAT-87-17(1)-171114	BAT-87-19(1)-171115	BAT-87-20(0)-171115
SAMPLE DATE		11/16/2017	11/14/2017	11/15/2017	11/15/2017
VOCs by USEPA Method 8260					
Chloromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	280 D	1.9	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	1.5	1.0 U	1.0 U
Acetone	50	5.0 U	1.8 J	5.0 U	5.0 U
Carbon disulfide	60	1.0 U	1.4	1.0 U	1.0 U
Methylene chloride	5*	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	1.0 U	2.2	1.0 U	1.0 U
1,1-Dichloroethane	5*	1.0 U	26	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	1.0 U	130	5.3	1.0 U
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 U
1,1,1-Trichloroethane	5*	1.0 U	110	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*	62	2.7	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 Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-20(1)	87-21(1)	87-21(1)	87-22(1)
SAMPLE I.D.		BAT-87-20(1)-171114	BAT-87-21(1)-171115	BAT-DUP-2-171115	BAT-87-22(1)-171114
SAMPLE DATE		11/14/2017	11/15/2017	11/15/2017	11/14/2017
VOCs by USEPA Method 8260					
Chloromethane	5*	25 U	1.0 U	0.29 J	5.0 U
Vinyl chloride	2	760	1.0 U	0.34 J	430
Chloroethane	5*	25 U	1.0 U	1.0 U	5.0 U
Bromomethane	5*	9.0 J	1.0 U	1.0 U	5.0 U
1,1-Dichloroethene	5*	25 U	1.0 U	1.0 U	5.0 U
Acetone	50	130 U	5.0 U	5.0 U	25 U
Carbon disulfide	60	25 U	1.0 U	1.0 U	5.0 U
Methylene chloride	5*	25 U	1.0 U	1.0 U	5.0 U
trans-1,2-Dichloroethene	5*	17 J	0.54 J	0.57 J	4.3 J
1,1-Dichloroethane	5*	13 J	2.0	1.7	4.6 J
cis-1,2-Dichloroethene	5*	6,200 D	7.6	7.5	820
2-Butanone	50	130 U	5.0 U	5.0 U	25 U
Chloroform	7	25 U	1.1	1.4	5.0 U
1,1,1-Trichloroethane	5*	26	2.8	2.8	5.0 U
Carbon tetrachloride	5	25 U	1.0 U	1.0 U	5.0 U
Benzene	1	25 U	1.0 U	1.0 U	5.0 U
1,2-Dichloroethane	0.6	25 U	1.0 U	1.0 U	5.0 U
Trichloroethene	5*	34	3.1	3.6	2.6 J
1,2-Dichloropropane	1	25 U	1.0 U	1.0 U	5.0 U
Bromodichloromethane	50	25 U	1.0 U	1.0 U	5.0 U
cis-1,3-Dichloropropene	0.4**	25 U	1.0 U	1.0 U	5.0 U
4-Methyl-2-pentanone	No Given Value	130 U	5.0 U	5.0 U	25 U
Toluene	5*	25 U	1.0 U	1.0 U	5.0 U
trans-1,3-Dichloropropene	0.4**	25 U	1.0 U	1.0 U	5.0 U
1,1,2-Trichloroethane	1	25 U	1.0 U	1.0 U	5.0 U
Tetrachloroethene	5*	25 U	1.0 U	1.0 U	5.0 U
2-Hexanone	50	130 U	5.0 U	5.0 U	25 U
Dibromochloromethane	50	25 U	1.0 U	1.0 U	5.0 U
Chlorobenzene	5*	25 U	1.0 U	1.0 U	5.0 U
Ethylbenzene	5*	25 U	1.0 U	1.0 U	5.0 U
m/p-Xylenes	5*	25 U	2.0 U	2.0 U	10 U
o-Xylene	5*	25 U	1.0 U	1.0 U	5.0 U
Styrene	5*	25 U	1.0 U	1.0 U	5.0 U
Bromoform	50	25 U	1.0 U	1.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5*	25 U	1.0 U	1.0 U	5.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	89-14(1)	89-15(1)	93-03(1)	93-03(1)	
SAMPLE I.D.		BAT-89-14(1)-171115	BAT-89-15(1)-171114	BAT-93-03(1)-171115	BAT-93-03(1)-171115MS	
SAMPLE DATE		11/15/2017	11/14/2017	11/15/2017	11/15/2017	
VOCs by USEPA Method 8260					Matrix Spike	
					% Rec.	QC Lim
Chloromethane	5*	2.0 U	0.26 J	1.0 U	*108*	*55-160*
Vinyl chloride	2	290	20	1.0 U	*102*	*60-157*
Chloroethane	5*	2.0 U	1.0 U	1.0 U	*115*	*70-140*
Bromomethane	5*	2.0 U	1.0 U	1.0 U	*94*	*10-162*
1,1-Dichloroethene	5*	2.0 U	0.66 J	1.0 U	*99*	*74-139*
Acetone	50	4.4 J	5.0 U	5.0 U	*79*	*29-151*
Carbon disulfide	60	2.0 U	0.25 J	0.30 J	*13*	*34-162*
Methylene chloride	5*	2.0 U	1.0 U	1.0 U	*107*	*75-121*
trans-1,2-Dichloroethene	5*	1.7 J	0.44 J	1.0 U	*105*	*77-125*
1,1-Dichloroethane	5*	17	3.9	1.0 U	*106*	*74-132*
cis-1,2-Dichloroethene	5*	65	62	1.0 U	*102*	*72-133*
2-Butanone	50	10 U	5.0 U	5.0 U	*103*	*46-141*
Chloroform	7	2.0 U	1.0 U	1.0 U	*104*	*75-130*
1,1,1-Trichloroethane	5*	2.2	0.97 J	1.0 U	*109*	*74-127*
Carbon tetrachloride	5	2.0 U	1.0 U	1.0 U	*109*	*65-135*
Benzene	1	2.0 U	1.0 U	1.0 U	*100*	*76-129*
1,2-Dichloroethane	0.6	2.0 U	1.0 U	1.0 U	*102*	*68-130*
Trichloroethene	5*	1.8 J	5.1	1.0 U	*102*	*62-142*
1,2-Dichloropropane	1	2.0 U	1.0 U	1.0 U	*99*	*79-124*
Bromodichloromethane	50	2.0 U	1.0 U	1.0 U	*112*	*76-127*
cis-1,3-Dichloropropene	0.4**	2.0 U	1.0 U	1.0 U	*100*	*52-134*
4-Methyl-2-pentanone	No Given Value	10 U	5.0 U	5.0 U	*106*	*60-141*
Toluene	5*	2.0 U	1.0 U	1.0 U	*101*	*79-125*
trans-1,3-Dichloropropene	0.4**	2.0 U	1.0 U	1.0 U	*97*	*50-142*
1,1,2-Trichloroethane	1	2.0 U	1.0 U	1.0 U	*99*	*79-119*
Tetrachloroethene	5*	2.0 U	1.0 U	1.0 U	*102*	*67-137*
2-Hexanone	50	10 U	5.0 U	5.0 U	*98*	*56-132*
Dibromochloromethane	50	2.0 U	1.0 U	1.0 U	*100*	*72-128*
Chlorobenzene	5*	2.0 U	1.0 U	1.0 U	*101*	*76-125*
Ethylbenzene	5*	2.0 U	1.0 U	1.0 U	*100*	*72-134*
m/p-Xylenes	5*	4.0 U	2.0 U	2.0 U	*105*	*68-138*
o-Xylene	5*	2.0 U	1.0 U	1.0 U	*98*	*68-134*
Styrene	5*	2.0 U	1.0 U	1.0 U	*107*	*34-156*
Bromoform	50	2.0 U	1.0 U	1.0 U	*107*	*58-133*
1,1,2,2-Tetrachloroethane	5*	2.0 U	1.0 U	1.0 U	*101*	*72-122*

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	93-03(1)		B-14(1)	DW-9	DW-9
SAMPLE I.D.		BAT-93-03(1)-171115MSD		BAT-B-14(1)-171113	BAT-DW-9-171114	BAT-DUP-1-171114
SAMPLE DATE		10/19/2016		11/13/2017	11/14/2017	11/14/2017
VOCs by USEPA Method 8260		Matrix Spike Duplicate % Rec.	QC Lim			
Chloromethane	5*	*109*	*55-160*	2.0 U	1.0 U	1.0 U
Vinyl chloride	2	*110*	*60-157*	190	1.0 U	1.0 U
Chloroethane	5*	*120*	*70-140*	2.0 U	1.0 U	1.0 U
Bromomethane	5*	*65*	*10-162*	2.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	*108*	*74-139*	1.8 J	1.0 U	1.0 U
Acetone	50	*84*	*29-151*	10 U	1.7 J	1.3 J
Carbon disulfide	60	*117*	*34-162*	0.64 J	1.0 U	1.0 U
Methylene chloride	5*	*110*	*75-121*	2.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	*109*	*77-125*	1.8 J	1.0 U	1.0 U
1,1-Dichloroethane	5*	*112*	*74-132*	18	0.40 J	0.44 J
cis-1,2-Dichloroethene	5*	*110*	*72-133*	140	22	24
2-Butanone	50	*99*	*46-141*	10 U	5.0 U	5.0 U
Chloroform	7	*110*	*75-130*	2.0 U	0.47 J	0.52 J
1,1,1-Trichloroethane	5*	*121*	*74-127*	75	1.1	1.2
Carbon tetrachloride	5	*115*	*65-135*	2.0 U	1.0 U	1.0 U
Benzene	1	*103*	*76-129*	2.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	*106*	*68-130*	2.0 U	1.0 U	1.0 U
Trichloroethene	5*	*102*	*62-142*	1.8 J	70	71
1,2-Dichloropropane	1	*102*	*79-124*	2.0 U	1.0 U	1.0 U
Bromodichloromethane	50	*113*	*76-127*	2.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	*104*	*52-134*	2.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	*106*	*60-141*	10 U	5.0 U	5.0 U
Toluene	5*	*104*	*79-125*	2.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	*105*	*50-142*	2.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	*105*	*79-119*	2.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	*108*	*67-137*	2.0 U	1.0 U	1.0 U
2-Hexanone	50	*100*	*56-132*	10 U	5.0 U	5.0 U
Dibromochloromethane	50	*105*	*72-128*	2.0 U	1.0 U	1.0 U
Chlorobenzene	5*	*104*	*76-125*	2.0 U	1.0 U	1.0 U
Ethylbenzene	5*	*105*	*72-134*	2.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	*106*	*68-138*	4.0 U	2.0 U	2.0 U
o-Xylene	5*	*104*	*68-134*	2.0 U	1.0 U	1.0 U
Styrene	5*	*108*	*34-156*	2.0 U	1.0 U	1.0 U
Bromoform	50	*110*	*58-133*	2.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	*109*	*72-122*	2.0 U	1.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	DW-10	DW-11	DW-12	DW-12	
SAMPLE I.D.		BAT-DW-10-171114	BAT-DW-11-171113	BAT-DW-12-171113	BAT-DW-12-171113MS	
SAMPLE DATE		11/14/2017	11/13/2017	11/13/2017	11/13/2017	
VOCs by USEPA Method 8260					Matrix Spike	
					% Rec.	QC Lim
Chloromethane	5*	0.24 J	0.45 J	1.0 U	*112*	*55-160*
Vinyl chloride	2	2.3	100	1.0 U	*112*	*60-157*
Chloroethane	5*	1.0 U	29	1.0 U	*121*	*70-140*
Bromomethane	5*	1.0 U	1.0 U	1.0 U	*120*	*10-162*
1,1-Dichloroethene	5*	1.0 U	1.2	1.0 U	*112*	*74-139*
Acetone	50	1.5 J	5.0 U	2.4 J	*80*	*29-151*
Carbon disulfide	60	1.0 U	0.35 J	1.0 U	*106*	*34-162*
Methylene chloride	5*	170	1.0 U	1.0 U	*110*	*75-121*
trans-1,2-Dichloroethene	5*	1.0 U	1.0	1.0 U	*111*	*77-125*
1,1-Dichloroethane	5*	1.0 U	8.6	1.0 U	*115*	*74-132*
cis-1,2-Dichloroethene	5*	17	110	1.5	*107*	*72-133*
2-Butanone	50	5.0 U	5.0 U	5.0 U	*103*	*46-141*
Chloroform	7	1.0 U	1.0 U	1.0 U	*110*	*75-130*
1,1,1-Trichloroethane	5*	0.48 J	45	1.0 U	*118*	*74-127*
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	*120*	*65-135*
Benzene	1	1.0 U	1.0 U	1.0 U	*107*	*76-129*
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	*113*	*68-130*
Trichloroethene	5*	32	35	1.2	*108*	*62-142*
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	*106*	*79-124*
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	*122*	*76-127*
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	*107*	*52-134*
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U	5.0 U	*115*	*60-141*
Toluene	5*	1.0 U	1.0 U	1.0 U	*109*	*79-125*
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U	*113*	*50-142*
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	*110*	*79-119*
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U	*109*	*67-137*
2-Hexanone	50	5.0 U	5.0 U	5.0 U	*110*	*56-132*
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	*111*	*72-128*
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U	*111*	*76-125*
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U	*108*	*72-134*
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U	*111*	*68-138*
o-Xylene	5*	1.0 U	1.0 U	1.0 U	*111*	*68-134*
Styrene	5*	1.0 U	1.0 U	1.0 U	*115*	*34-156*
Bromoform	50	1.0 U	1.0 U	1.0 U	*112*	*58-133*
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U	*108*	*72-122*

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	DW-12		EW-2	EW-3	EW-4
SAMPLE I.D.		BAT-DW-12-171113MSD		BAT-EW-2-171115	BAT-EW-3-171115	BAT-EW-4-171115
SAMPLE DATE		11/13/2017		11/15/2017	11/15/2017	11/15/2017
VOCs by USEPA Method 8260		Matrix Spike Duplicate % Rec.	QC Lim			
Chloromethane	5*	*117*	*55-160*	1.0 U	10 U	1.0 U
Vinyl chloride	2	*118*	*60-157*	1.9	1,000	36
Chloroethane	5*	*119*	*70-140*	1.0 U	10 U	1.0 U
Bromomethane	5*	*140*	*10-162*	1.0 U	10 U	1.0 U
1,1-Dichloroethene	5*	*108*	*74-139*	1.0 U	10 U	1.0 U
Acetone	50	*79*	*29-151*	5.0 U	50 U	5.0 U
Carbon disulfide	60	*105*	*34-162*	0.23 J	10 U	1.0 U
Methylene chloride	5*	*108*	*75-121*	1.0 U	10 U	1.0 U
trans-1,2-Dichloroethene	5*	*110*	*77-125*	1.0	12	0.88 J
1,1-Dichloroethane	5*	*117*	*74-132*	2.5	14	1.0
cis-1,2-Dichloroethene	5*	*110*	*72-133*	6.4	1,600	32
2-Butanone	50	*101*	*46-141*	5.0 U	50 U	5.0 U
Chloroform	7	*112*	*75-130*	1.3 J	3.4 J	1.0 U
1,1,1-Trichloroethane	5*	*119*	*74-127*	3.4	16	0.81 J
Carbon tetrachloride	5	*118*	*65-135*	1.0 U	10 U	1.0 U
Benzene	1	*106*	*76-129*	1.0 U	10 U	1.0 U
1,2-Dichloroethane	0.6	*109*	*68-130*	1.0 U	10 U	1.0 U
Trichloroethene	5*	*110*	*62-142*	2.7	5.1 J	0.42 J
1,2-Dichloropropane	1	*107*	*79-124*	1.0 U	10 U	1.0 U
Bromodichloromethane	50	*123*	*76-127*	1.0 U	10 U	1.0 U
cis-1,3-Dichloropropene	0.4**	*107*	*52-134*	1.0 U	10 U	1.0 U
4-Methyl-2-pentanone	No Given Value	*110*	*60-141*	5.0 U	50 U	5.0 U
Toluene	5*	*110*	*79-125*	1.0 U	10 U	1.0 U
trans-1,3-Dichloropropene	0.4**	*108*	*50-142*	1.0 U	10 U	1.0 U
1,1,2-Trichloroethane	1	*108*	*79-119*	1.0 U	10 U	1.0 U
Tetrachloroethene	5*	*113*	*67-137*	1.0 U	10 U	1.0 U
2-Hexanone	50	*105*	*56-132*	5.0 U	50 U	5.0 U
Dibromochloromethane	50	*112*	*72-128*	1.0 U	10 U	1.0 U
Chlorobenzene	5*	*108*	*76-125*	1.0 U	10 U	1.0 U
Ethylbenzene	5*	*110*	*72-134*	1.0 U	10 U	1.0 U
m/p-Xylenes	5*	*109*	*68-138*	2.0 U	20 U	2.0 U
o-Xylene	5*	*113*	*68-134*	1.0 U	10 U	1.0 U
Styrene	5*	*115*	*34-156*	1.0 U	10 U	1.0 U
Bromoform	50	*116*	*58-133*	1.0 U	10 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	*112*	*72-122*	1.0 U	10 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	EW-5	EW-6	EW-7	EW-8
SAMPLE I.D.		BAT-EW-5-171115	BAT-EW-6-171115	BAT-EW-7-171115	BAT-EW-8-171114
SAMPLE DATE		11/15/2017	11/15/2017	11/15/2017	11/14/2017
VOCs by USEPA Method 8260					
Chloromethane	5*	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	150	10	35	22
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*	0.74 J	1.0 U	1.0 U	1.0 U
Acetone	50	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	60	0.41 J	1.0 U	1.0 U	1.0 U
Methylene chloride	5*	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	1.7	1.8	0.36 J	0.63 J
1,1-Dichloroethane	5*	2.5	2.9	4.4	2.1
cis-1,2-Dichloroethene	5*	220 D	170	20	74
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	7	1.0 U	0.64 J	1.0 U	1.1
1,1,1-Trichloroethane	5*	2.9	3.3	5.0	3.1
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*	1.5	2.4	0.94 J	1.8
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 Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	EW-13	FIELD BLANK 1	FIELD BLANK 2
SAMPLE I.D.		BAT-EW-13-171115	BAT-FB-1-171114	BAT-FB-2-171116
SAMPLE DATE		11/15/2017	11/14/2017	11/16/2017
VOCs by USEPA Method 8260				
Chloromethane	5*	1.0 U	0.32 J	1.0 U
Vinyl chloride	2	160	1.0 U	1.0 U
Chloroethane	5*	1.0 U	1.0 U	1.0 U
Bromomethane	5*	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5*	0.94 J	1.0 U	1.0 U
Acetone	50	5.0 U	1.3 J	1.4 J
Carbon disulfide	60	0.37 BJ	1.0 U	1.0 U
Methylene chloride	5*	1.6	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	1.4	1.0 U	1.0 U
1,1-Dichloroethane	5*	8.4	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	160	1.0 U	1.0 U
2-Butanone	50	5.0 U	5.0 U	5.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	5*	25	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U
Benzene	1	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	1.2	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	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
Toluene	5*	1.0 U	1.5	1.2
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Textron Inc.
Wheatfield, New York
November 2017

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	TRIP BLANK 1	TRIP BLANK 2
SAMPLE I.D.		Trip Blank	Trip Blank
SAMPLE DATE		11/13/2017	11/14/2017
VOCs by USEPA Method 8260			
Chloromethane	5*	0.32 BJ	0.44 J
Vinyl chloride	2	1.0 U	1.0 U
Chloroethane	5*	1.0 U	1.0 U
Bromomethane	5*	0.57 J	0.29 J
1,1-Dichloroethene	5*	1.0 U	1.0 U
Acetone	50	5.0 U	5.0 U
Carbon disulfide	60	1.0 U	1.0 U
Methylene chloride	5*	1.0 U	1.0 U
trans-1,2-Dichloroethene	5*	1.0 U	1.0 U
1,1-Dichloroethane	5*	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	1.0 U	1.0 U
2-Butanone	50	5.0 U	5.0 U
Chloroform	7	1.0 U	1.0 U
1,1,1-Trichloroethane	5*	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U
Benzene	1	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U
Trichloroethene	5*	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U	5.0 U
Toluene	5*	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U
Tetrachloroethene	5*	1.0 U	1.0 U
2-Hexanone	50	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U
Chlorobenzene	5*	1.0 U	1.0 U
Ethylbenzene	5*	1.0 U	1.0 U
m/p-Xylenes	5*	2.0 U	2.0 U
o-Xylene	5*	1.0 U	1.0 U
Styrene	5*	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U	1.0 U

See notes at end of table.

Table 5
Summary of Groundwater Analytical Data
Former Textron Inc.
Wheatfield, New York
November 2017

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.
U = Compound not detected at detection limit.
Bold = Compound detected at concentration.
J = Indicates an estimated value below detection limit.
B = Compound detected in associated method blank.
D = Compound analyzed at secondary dilution.
E = Compund exceeds the calibration range.
Shaded = Analyte exceeds NYS Groundwater Protection Standard per TOGS 1.1.1.

Table 6
Summary of Baseline Groundwater Analytical Data
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-01(1)	87-04(1)	87-05(1)	87-09(1)
SAMPLE DATE		5/23/2017	5/22/2017	5/23/2017	5/23/2017
VOCs by USEPA Method 8260					
Chloromethane	5*	2.0 U	2.0 U	50 U	2.0 U
Vinyl chloride	2	84	210	460	190
Chloroethane	5*	2.0 U	2.0 U	50 U	2.0 U
Bromomethane	5*	2.0 U	2.0 U	50 U	2.0 U
1,1-Dichloroethene	5*	2.6	2.9	50 U	1.5 J
Acetone	50	10 U	10.0 U	250 U	4.1 J
Carbon disulfide	60	2.0 U	2.0 U	50 U	2.0 U
Methylene chloride	5*	2.0 U	31	2,100	2.0 U
trans-1,2-Dichloroethene	5*	6.8	3.6	50 U	1.4 J
1,1-Dichloroethane	5*	5.6	2.9	42 J	16
cis-1,2-Dichloroethene	5*	690 D	290	6,900	150
2-Butanone	50	10 U	10 U	250 U	10 U
Chloroform	7	1.1 J	0.80 J	50 U	2.0 U
1,1,1-Trichloroethane	5*	15	2.0 U	140	85
Carbon tetrachloride	5	2.0 U	2.0 U	50 U	2.0 U
Benzene	1	2.0 U	2.0 U	50 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	50 U	2.0 U
Trichloroethene	5*	110	36	1,300	1.7 J
1,2-Dichloropropane	1	2.0 U	2.0 U	50 U	2.0 U
Bromodichloromethane	50	2.0 U	2.0 U	50 U	2.0 U
cis-1,3-Dichloropropene	0.4**	2.0 U	2.0 U	50 U	2.0 U
4-Methyl-2-pentanone	No Given Value	10 U	10 U	250 U	10 U
Toluene	5*	2.0 U	2.0 U	12 J	2.0 U
trans-1,3-Dichloropropene	0.4**	2.0 U	2.0 U	50 U	2.0 U
1,1,2-Trichloroethane	1	2.0 U	2.0 U	50 U	2.0 U
Tetrachloroethene	5*	2.0 U	2.0 U	50 U	2.0 U
2-Hexanone	50	10 U	10 U	250 U	10 U
Dibromochloromethane	50	2.0 U	2.0 U	50 U	2.0 U
Chlorobenzene	5*	2.0 U	2.0 U	50 U	2.0 U
Ethylbenzene	5*	2.0 U	2.0 U	50 U	2.0 U
m/p-Xylenes	5*	4.0 U	4.0 U	100 U	4.0 U
o-Xylene	5*	2.0 U	2.0 U	50 U	2.0 U
Styrene	5*	2.0 U	2.0 U	50 U	2.0 U
Bromoform	50	2.0 U	2.0 U	50 U	2.0 U
1,1,2,2-Tetrachloroethane	5*	2.0 U	2.0 U	50 U	2.0 U

See notes at end of table.

Table 6
Summary of Baseline Groundwater Analytical Data
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-10(1)	87-11(1)	87-12(1)	87-13(1)
SAMPLE DATE		5/23/2017	11/16/2017	5/23/2017	5/22/2017
VOCs by USEPA Method 8260					
Chloromethane	5*	5.0 U	50 U	10 U	500 U
Vinyl chloride	2	12	1,500	1,700	3,000
Chloroethane	5*	5.0 U	50 U	10 U	500 U
Bromomethane	5*	5.0 U	50 U	10 U	500 U
1,1-Dichloroethene	5*	5.0 U	50 U	7 J	500 U
Acetone	50	6.5 J	250 U	50 U	2,500 U
Carbon disulfide	60	5.0 U	50 U	10 U	500 U
Methylene chloride	5*	5.0 U	11,000 D	10 U	94,000 D
trans-1,2-Dichloroethene	5*	5.0 U	50 U	8.7 J	500 U
1,1-Dichloroethane	5*	2.3 J	33 J	19	320 J
cis-1,2-Dichloroethene	5*	130	2,500	2,200 D	80,000
2-Butanone	50	25 U	250 U	50 U	2,500 U
Chloroform	7	1.4 J	18 J	10 U	1,200
1,1,1-Trichloroethane	5*	3.6 J	53	30	1,100
Carbon tetrachloride	5	5.0 U	50 U	10 U	500 U
Benzene	1	5.0 U	50 U	10 U	500 U
1,2-Dichloroethane	0.6	5.0 U	50 U	10 U	500 U
Trichloroethene	5*	890	76	14	40,000
1,2-Dichloropropane	1	5.0 U	50 U	10 U	500 U
Bromodichloromethane	50	5.0 U	50 U	10 U	230 J
cis-1,3-Dichloropropene	0.4**	5.0 U	50 U	10 U	500 U
4-Methyl-2-pentanone	No Given Value	25 U	250 U	50 U	2,500 U
Toluene	5*	5.0 U	50 U	10 U	500 U
trans-1,3-Dichloropropene	0.4**	5.0 U	50 U	10 U	500 U
1,1,2-Trichloroethane	1	5.0 U	50 U	10 U	500 U
Tetrachloroethene	5*	5.0 U	50 U	10 U	500 U
2-Hexanone	50	25 U	250 U	50 U	2,500 U
Dibromochloromethane	50	5.0 U	50 U	10 U	500 U
Chlorobenzene	5*	5.0 U	50 U	10 U	500 U
Ethylbenzene	5*	5.0 U	50 U	10 U	500 U
m/p-Xylenes	5*	10.0 U	100 U	20 U	1,000 U
o-Xylene	5*	5.0 U	50 U	10 U	500 U
Styrene	5*	5.0 U	50 U	10 U	500 U
Bromoform	50	5.0 U	50 U	10 U	500 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	50 U	10 U	500 U

See notes at end of table.

Table 6
Summary of Baseline Groundwater Analytical Data
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	87-14(1)	87-15(1)	87-18(1)	89-12(1)
SAMPLE DATE		5/22/2017	5/22/2017	5/22/2017	5/23/2017
VOCs by USEPA Method 8260					
Chloromethane	5*	250 U	5.0 U	5.0 U	25 U
Vinyl chloride	2	2,900	180	510	270
Chloroethane	5*	250 U	5.0 U	5.0 U	25 U
Bromomethane	5*	250 U	5.0 U	5.0 U	25 U
1,1-Dichloroethene	5*	250 U	5.0 U	5.0 U	25 U
Acetone	50	320 J	25 U	6.7 J	36 J
Carbon disulfide	60	250 U	6.5	5.0 U	25 U
Methylene chloride	5*	22,000	4,300 D	5.0 U	25 U
trans-1,2-Dichloroethene	5*	250 U	2.0 J	2.6 J	19 J
1,1-Dichloroethane	5*	170 J	3.9 J	17.0	9.0 J
cis-1,2-Dichloroethene	5*	16,000	390	620	4,300 D
2-Butanone	50	1,300 U	25 U	25 U	130 U
Chloroform	7	450	5.0 U	5.0 U	25 U
1,1,1-Trichloroethane	5*	390	5.0 U	27	22 J
Carbon tetrachloride	5	250 U	5.0 U	5.0 U	25 U
Benzene	1	250 U	5.0 U	5.0 U	25 U
1,2-Dichloroethane	0.6	250 U	5.0 U	5.0 U	25 U
Trichloroethene	5*	32,000	10	3.9 J	490
1,2-Dichloropropane	1	250 U	5.0 U	5.0 U	25 U
Bromodichloromethane	50	250 U	5.0 U	5.0 U	25 U
cis-1,3-Dichloropropene	0.4**	250 U	5.0 U	5.0 U	25 U
4-Methyl-2-pentanone	No Given Value	1,300 U	25 U	25 U	130 U
Toluene	5*	250 U	5.0 U	5.0 U	25 U
trans-1,3-Dichloropropene	0.4**	250 U	5.0 U	5.0 U	25 U
1,1,2-Trichloroethane	1	250 U	5.0 U	5.0 U	25 U
Tetrachloroethene	5*	250 U	5.0 U	5.0 U	25 U
2-Hexanone	50	1,300 U	25 U	25 U	130 U
Dibromochloromethane	50	250 U	5.0 U	5.0 U	25 U
Chlorobenzene	5*	250 U	5.0 U	5.0 U	25 U
Ethylbenzene	5*	250 U	5.0 U	5.0 U	25 U
m/p-Xylenes	5*	500 U	10 U	10 U	50 U
o-Xylene	5*	250 U	5.0 U	5.0 U	25 U
Styrene	5*	250 U	5.0 U	5.0 U	25 U
Bromoform	50	250 U	5.0 U	5.0 U	25 U
1,1,2,2-Tetrachloroethane	5*	250 U	5.0 U	5.0 U	25 U

See notes at end of table.

Table 6
Summary of Baseline Groundwater Analytical Data
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	96-01(1)	17-01(1)	17-02(1)	17-03(1)
SAMPLE DATE		5/23/2017	11/13/2017	11/13/2017	11/13/2017
VOCs by USEPA Method 8260					
Chloromethane	5*	5.0 U	5.0 U	25 U	5.0 U
Vinyl chloride	2	700	510	270	700
Chloroethane	5*	5.0 U	5.0 U	25 U	5.0 U
Bromomethane	5*	5.0 U	5.0 U	25 U	5.0 U
1,1-Dichloroethene	5*	5.0 U	5.0 U	25 U	5.0 U
Acetone	50	25 U	6.7 J	36 J	25 U
Carbon disulfide	60	5.0 U	5.0 U	25 U	5.0 U
Methylene chloride	5*	21	5.0 U	25 U	21
trans-1,2-Dichloroethene	5*	4.4 J	2.6 J	19 J	4.4 J
1,1-Dichloroethane	5*	29	17	9.0 J	29
cis-1,2-Dichloroethene	5*	710	620	4,300 D	710
2-Butanone	50	25 U	25 U	130 U	25 U
Chloroform	7	5.0 U	5.0 U	25 U	5.0 U
1,1,1-Trichloroethane	5*	48	27	22 J	48
Carbon tetrachloride	5	5.0 U	5.0 U	25 U	5.0 U
Benzene	1	5.0 U	5.0 U	25 U	5.0 U
1,2-Dichloroethane	0.6	5.0 U	5.0 U	25 U	5.0 U
Trichloroethene	5*	17	3.9 J	490	17
1,2-Dichloropropane	1	5.0 U	5.0 U	25 U	5.0 U
Bromodichloromethane	50	5.0 U	5.0 U	25 U	5.0 U
cis-1,3-Dichloropropene	0.4**	5.0 U	5.0 U	25 U	5.0 U
4-Methyl-2-pentanone	No Given Value	25 U	25 U	130 U	25 U
Toluene	5*	5.0 U	5.0 U	25 U	5.0 U
trans-1,3-Dichloropropene	0.4**	5.0 U	5.0 U	25 U	5.0 U
1,1,2-Trichloroethane	1	5.0 U	5.0 U	25 U	5.0 U
Tetrachloroethene	5*	5.0 U	5.0 U	25 U	5.0 U
2-Hexanone	50	25 U	25 U	130 U	25 U
Dibromochloromethane	50	5.0 U	5.0 U	25 U	5.0 U
Chlorobenzene	5*	5.0 U	5.0 U	25 U	5.0 U
Ethylbenzene	5*	5.0 U	5.0 U	25 U	5.0 U
m/p-Xylenes	5*	10 U	10 U	50 U	10 U
o-Xylene	5*	5.0 U	5.0 U	25 U	5.0 U
Styrene	5*	5.0 U	5.0 U	25 U	5.0 U
Bromoform	50	5.0 U	5.0 U	25 U	5.0 U
1,1,2,2-Tetrachloroethane	5*	5.0 U	5.0 U	25 U	5.0 U

See notes at end of table.

Table 6
Summary of Baseline Groundwater Analytical Data
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	17-04(1)	17-05(1)	B-10a(1)	MOOG-C
SAMPLE DATE		11/15/2017	11/15/2017	5/23/2017	5/23/2017
VOCs by USEPA Method 8260					
Chloromethane	5*	500 U	250 U	500 U	1.0 U
Vinyl chloride	2	1,400	930	430 J	1.0 U
Chloroethane	5*	500 U	250 U	500 U	1.0 U
Bromomethane	5*	500 U	250 U	500 U	1.0 U
1,1-Dichloroethene	5*	440 J	250 U	310 J	1.0 U
Acetone	50	2,500 U	1,300 U	2,500 U	1.0 U
Carbon disulfide	60	140 J	250 U	500 U	1.0 U
Methylene chloride	5*	180,000 D	14,000	3,300	1.0 U
trans-1,2-Dichloroethene	5*	500 U	250 U	500 U	1.0 U
1,1-Dichloroethane	5*	600	79 J	350 J	1.7
cis-1,2-Dichloroethene	5*	30,000	4,300	20,000	17
2-Butanone	50	2,500 U	1,300 U	2,500 U	5.0 U
Chloroform	7	940	400	980	0.98 J
1,1,1-Trichloroethane	5*	2,900	900	780	2.0
Carbon tetrachloride	5	500 U	250 U	500 U	1.0 U
Benzene	1	500 U	250 U	500 U	1.0 U
1,2-Dichloroethane	0.6	500 U	250 U	500 U	1.0 U
Trichloroethene	5*	170,000 E	32,000	58,000	21
1,2-Dichloropropane	1	500 U	250 U	500 U	1.0 U
Bromodichloromethane	50	500 U	250 U	210 J	1.0 U
cis-1,3-Dichloropropene	0.4**	500 U	250 U	500 U	1.0 U
4-Methyl-2-pentanone	No Given Value	2,500 U	1,300 U	2,500 U	5.0 U
Toluene	5*	130 J	250 U	500 U	1.0 U
trans-1,3-Dichloropropene	0.4**	500 U	250 U	500 U	1.0 U
1,1,2-Trichloroethane	1	500 U	250 U	500 U	1.0 U
Tetrachloroethene	5*	500 U	250 U	500 U	1.0 U
2-Hexanone	50	2,500 U	1,300 U	2,500 U	5.0 U
Dibromochloromethane	50	500 U	250 U	500 U	1.0 U
Chlorobenzene	5*	500 U	250 U	500 U	1.0 U
Ethylbenzene	5*	500 U	250 U	500 U	1.0 U
m/p-Xylenes	5*	1,000 U	500 U	1,000 U	2.0 U
o-Xylene	5*	500 U	250 U	500 U	1.0 U
Styrene	5*	500 U	250 U	500 U	1.0 U
Bromoform	50	500 U	250 U	500 U	1.0 U
1,1,2,2-Tetrachloroethane	5*	500 U	250 U	500 U	1.0 U

See notes at end of table.

Table 6
Summary of Baseline Groundwater Analytical Data
Bell AerospaceTextron Inc.
Wheatfield, New York

SAMPLE LOCATION	Groundwater Protection Standard (µg/L)	TRIP BLANK
SAMPLE DATE		5/22/2017
VOCs by USEPA Method 8260		
Chloromethane	5*	1.0 U
Vinyl chloride	2	1.0 U
Chloroethane	5*	1.0 U
Bromomethane	5*	1.0 U
1,1-Dichloroethene	5*	1.0 U
Acetone	50	1.0 U
Carbon disulfide	60	1.0 U
Methylene chloride	5*	1.0 U
trans-1,2-Dichloroethene	5*	1.0 U
1,1-Dichloroethane	5*	1.0 U
cis-1,2-Dichloroethene	5*	1.0 U
2-Butanone	50	5.0 U
Chloroform	7	1.0 U
1,1,1-Trichloroethane	5*	1.0 U
Carbon tetrachloride	5	1.0 U
Benzene	1	1.0 U
1,2-Dichloroethane	0.6	1.0 U
Trichloroethene	5*	1.0 U
1,2-Dichloropropane	1	1.0 U
Bromodichloromethane	50	1.0 U
cis-1,3-Dichloropropene	0.4**	1.0 U
4-Methyl-2-pentanone	No Given Value	5.0 U
Toluene	5*	1.0 U
trans-1,3-Dichloropropene	0.4**	1.0 U
1,1,2-Trichloroethane	1	1.0 U
Tetrachloroethene	5*	1.0 U
2-Hexanone	50	5.0 U
Dibromochloromethane	50	1.0 U
Chlorobenzene	5*	1.0 U
Ethylbenzene	5*	1.0 U
m/p-Xylenes	5*	2.0 U
o-Xylene	5*	1.0 U
Styrene	5*	1.0 U
Bromoform	50	1.0 U
1,1,2,2-Tetrachloroethane	5*	1.0 U

See notes at end of table.

Table 6
Summary of Baseline Groundwater Analytical Data
Bell AerospaceTextron Inc.
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.

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 = Compund exceeds the calibration range.

Shaded = Analyte exceeds NYS Groundwater Protection Standard per TOGS 1.1.1.

Table 7
Summary of Injection Log
2017 Annual Summary
Former Textron, Inc.
Wheatfield, New York

Injection Well ID	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Volume of 3DME® Injected			Total Gallons Per Location	Pounds of 3DME® Injected Per Location	Liters of SDC-9™	Pounds of CRS®	Comments
						Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval					
17-03(1)	11/28/2017	15:23	23-33	6.0	9.9	0	500	500	4151	3272	4.1	1636	
		16:05		6.0	10.5	500	900	400					
	11/29/2017	7:36		10.0	12.5	900	1600	700					
		8:35		8.0	15.2	1600	2600	1000					
		9:55		8.0	13.2	2600	3300	700					
		10:52		8.0	15.5	3300	4050	750					
		11:40		8.0	16.0	4050	4151	101					
17-04(1)	11/29/2017	13:55	23-33	12.0	10.0	0	475	475	6179	4875	5.5	2452	
		14:35		34.0	11.1	475	900	425					
		13:30		22.0	11.0	900	1200	300					
	11/30/2017	9:20		25.0	11.6	1200	1800	600					
		10:05		25.0	12.0	1800	2450	650					
		11:07		25.0	14.0	2450	3000	550					
		12:00		18.0	9.9	3000	3825	825					
		13:18		25.0	14.1	3825	4151	326					
	12/19/2017	11:25		12.0	10.5	4151	4750	599					Receive the remaining product from 87-04(1).
		12:30		16.0	10.9	4750	5100	350					
		13:20		16.0	11.0	5100	5500	400					
		13:55		22.0	11.3	5500	5800	300					
		14:26		23.0	11.3	5800	6179	379					
87-14(1)	11/30/2017	14:15	23-33	12.0	10.5	0	420	420	4151	3272	4.1	1636	
		13:10		10.0	7.0	420	649	229					Pump is cavatating. Cannot get high flow rate.
	12/1/2017	8:25		8.0	6.0	649	900	251					Start slow and gradually increase pump speed.
		8:55		15.0	12.4	900	1249	349					
		9:24		16.0	13.0	1249	1749	500					
		10:02		20.0	14.0	1749	2800	1051					
		11:10		20.0	14.5	2800	3550	750					
		13:12		20.0	14.5	3550	4000	450					
		13:46		18.0	14.0	4000	4151	151					

Table 7
Summary of Injection Log
2017 Annual Summary
Former Textron, Inc.
Wheatfield, New York

Injection Well ID	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Volume of 3DME® Injected			Total Gallons Per Location	Pounds of 3DME® Injected Per Location	Liters of SDC-9™	Pounds of CRS®	Comments
						Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval					
87-05(1)	12/1/2017	14:46	23-33	10.0	10.0	0	250	250	4151	3272	4.1	1636	
		15:12		15.0	15.5	250	900	650					
		15:55		14.0	15.3	900	1200	300					
	12/2/2017	8:10		12.0	15.5	1200	1500	300					
		8:40		12.0	15.6	1500	2450	950					
		9:41		13.0	16.0	2450	3200	750					
		10:30		13.0	15.8	3200	4000	800					
		11:30		8.0	11.5	4000	4151	151					
17-01(1)	12/4/2017	8:45	23-33	38.0	10.2	0	375	375	1775	1400	4.1	700	
		9:30		37.0	11.0	375	600	225					
		10:20		28.0	10.0	600	1000	400					
		10:50		38.0	10.0	1000	1300	300					11:30 - Stop injecting due to visual confirmation of product in sanitary sewer drain.
		11:05		38.0	10.0	1300	1775	475					
17-02(1)	12/4/2017	13:15	23-33	20.0	11.5	0	450	450	10678	8416	8.5	4240	
		14:00		20.0	11.5	450	900	450					
		14:45		25.0	12.0	900	1500	600					
		15:40		25.0	13.0	1500	2000	500					
		16:10		25.0	13.0	2000	2500	500					
		16:30		25.0	13.0	2500	3000	500					
	12/5/2017	6:45		25.0	11.0	3000	3400	400					
		7:45		30.0	14.0	3400	4151	751					
	12/19/2017	15:20		12.0	10.0	4151	4400	249					Receive the remaining volume from 17-01(1) and 87-10(1).
		15:45		20.0	12.0	4400	4700	300					
		16:10		22.0	12.0	4700	5000	300					
		16:55		24.0	14.0	5000	5351	351					
	12/20/2017	7:40		16.0	10.4	5351	6000	649					
		8:30		22.0	12.8	6000	6500	500					
		9:30		25.0	13.3	6500	7100	600					
		10:10		28.0	14.5	7100	7651	551					
		10:50		28.0	14.8	7651	8451	800					
		11:40		30.0	14.8	8451	9451	1000					
		12:57		30.0	15.1	9451	10200	749					
		13:50		30.0	15.1	10200	10678	478					

Table 7
Summary of Injection Log
2017 Annual Summary
Former Textron, Inc.
Wheatfield, New York

Injection Well ID	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Volume of 3DME® Injected			Total Gallons Per Location	Pounds of 3DME® Injected Per Location	Liters of SDC-9™	Pounds of CRS®	Comments
						Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval					
87-15(1)	12/12/2017	15:00	23-33	10.0	10.0	0	300	300	4151	3272	5.0	1636	
		15:30		20.0	13.6	300	750	450					
		16:00		20.0	13.5	750	1200	450					
	12/13/2017	8:30		20.0	14.0	1200	1500	300					
		9:20		30.0	14.0	1500	2100	600					
		10:10		35.0	14.0	2100	2800	700					
		10:50		35.0	14.0	2800	3500	700					
		11:25		35.0	14.0	3500	4151	651					
17-05(1)	12/13/2017	13:15	23-33	30.0	8.0	0	350	350	4151	3272	4.1	1636	
		14:00		35.0	10.0	350	800	450					
		14:30		45.0	12.0	800	1200	400					
		15:10		45.0	12.5	1200	2100	900					
	12/14/2017	8:22		55.0	10.0	2100	2625	525					
		9:20		55.0	10.0	2625	3150	525					
		10:09		25.0	9.8	3150	3600	450					
		11:00		25.0	9.9	3600	4151	551					
87-11(1)	12/14/2017	12:35	23-33	5.0	5.3	0	325	325	4151	3272	4.1	1636	
		13:31		8.0	10.0	325	600	275					
		14:10		8.0	10.0	600	1200	600					
		15:00		8.0	10.0	1200	1800	600					
	12/18/2017	9:00		6.0	5.0	1800	2200	400					
		10:00		8.0	10.0	2200	2800	600					
		11:21		8.0	10.0	2800	3000	200					
		13:10		6.0	5.0	3000	4151	1151					11:55 - (3,350 gallons total). Stop injecting due to product in sanitary sewer. Turn off pump for 30 min. Resume injection at a lower flow rate of 5 gpm.

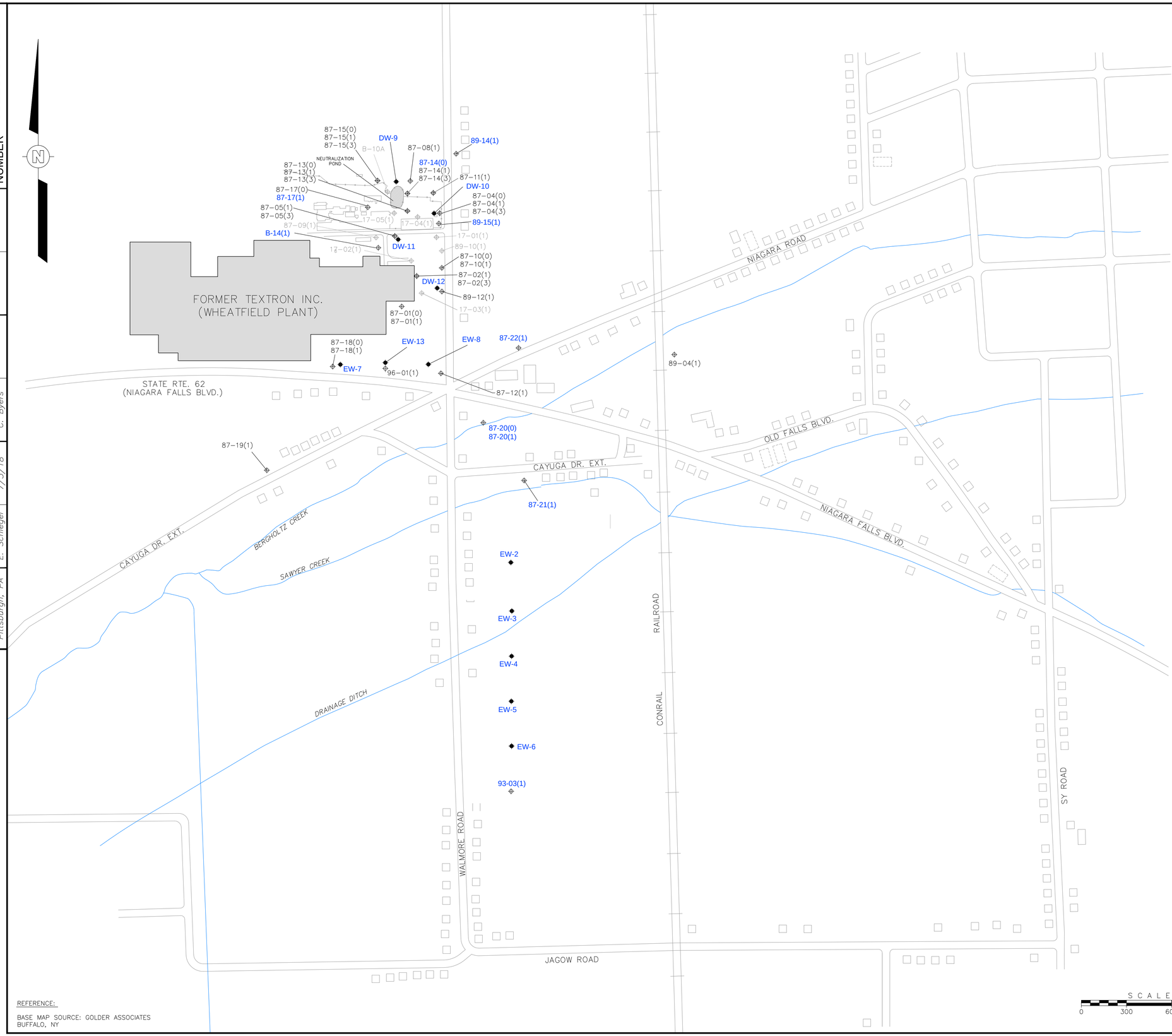
Table 7
Summary of Injection Log
2017 Annual Summary
Former Textron, Inc.
Wheatfield, New York

Injection Well ID	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Volume of 3DME® Injected			Total Gallons Per Location	Pounds of 3DME® Injected Per Location	Liters of SDC-9™	Pounds of CRS®	Comments
						Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval					
87-04(1)	12/18/2017	15:25	23-33	5.0	5.0	0	300	300	1200	1677	1.4	790	Inject with half amount of mix water.
	12/19/2017	8:30		5.0	5.0	300	600	300					
		9:28		5.0	5.1	600	900	300					
		10:05		5.0	5.0	900	1200	300					11:10 - (1,200 gallons total). Stop injecting due to product in sanitary sewer.
87-10(1)	REMOVED FROM DESIGN - DID NOT INJECT INTO												

Total Gallons:	Total Lbs. 3DME®:	Total Liters of BDI:	Total Lbs. of CRS®:
44,738	36,000	45	18,000

Figures

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE
631236330-D3		C. Byers	E. Schlegel 7/3/18	Pittsburgh, PA



LEGEND:

- ◆ FORMER EXTRACTION WELL OR DNAPL WELL
- ⊕ MONITORING WELL OR PIEZOMETER
- 87-10(1) MONITORING WELL OR PIEZOMETER PART OF THE GROUNDWATER SAMPLING PROGRAM
- 87-22(1) MONITORING WELL TO BE SAMPLED DURING ODD-NUMBERED YEARS
- 17-01(1)⊕ BIO-REMEDIATION PROGRAM WELLS

NOTES:

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

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

SCALE
0 300 600 900 FEET

APTIM

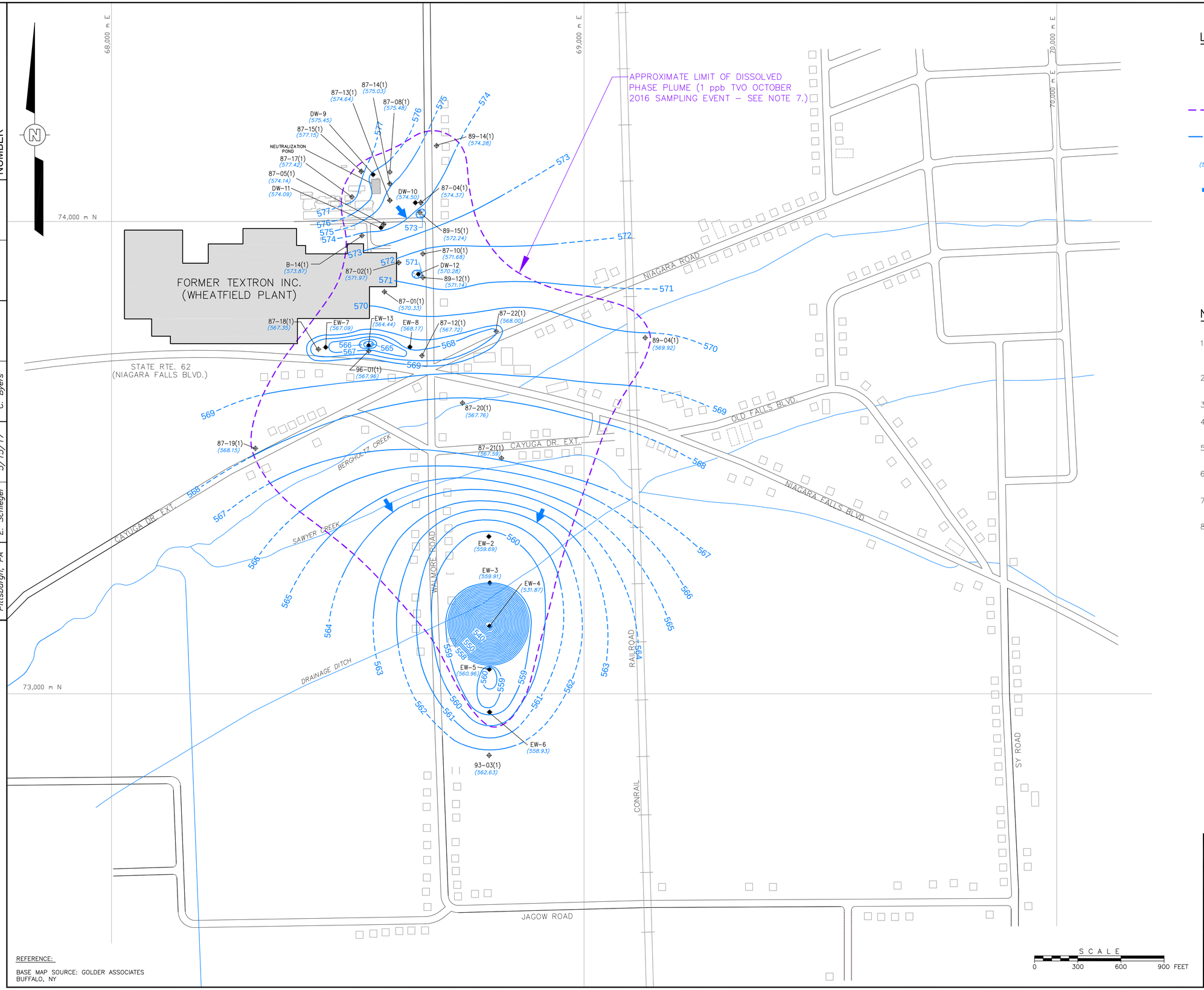
TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 1
GROUNDWATER MONITORING PLAN
GAUGE AND SAMPLE LOCATIONS
ODD NUMBERED YEARS

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Shaw Offices - CAD Files\Latham, NY\631236330\631236330-D3.dwg
Plot Date/Time: Jul 10, 2018 - 3:38pm
Plotted By: Evan.Schlegel

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	E. Schlegel 5/15/17	C. Byers		156045-D6



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)
- (568.00) 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, 2017.
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. DW SERIES EXTRACTION WELLS OFFLINE PER NYSDEC.

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES BUFFALO, NY

SCALE
0 300 600 900 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

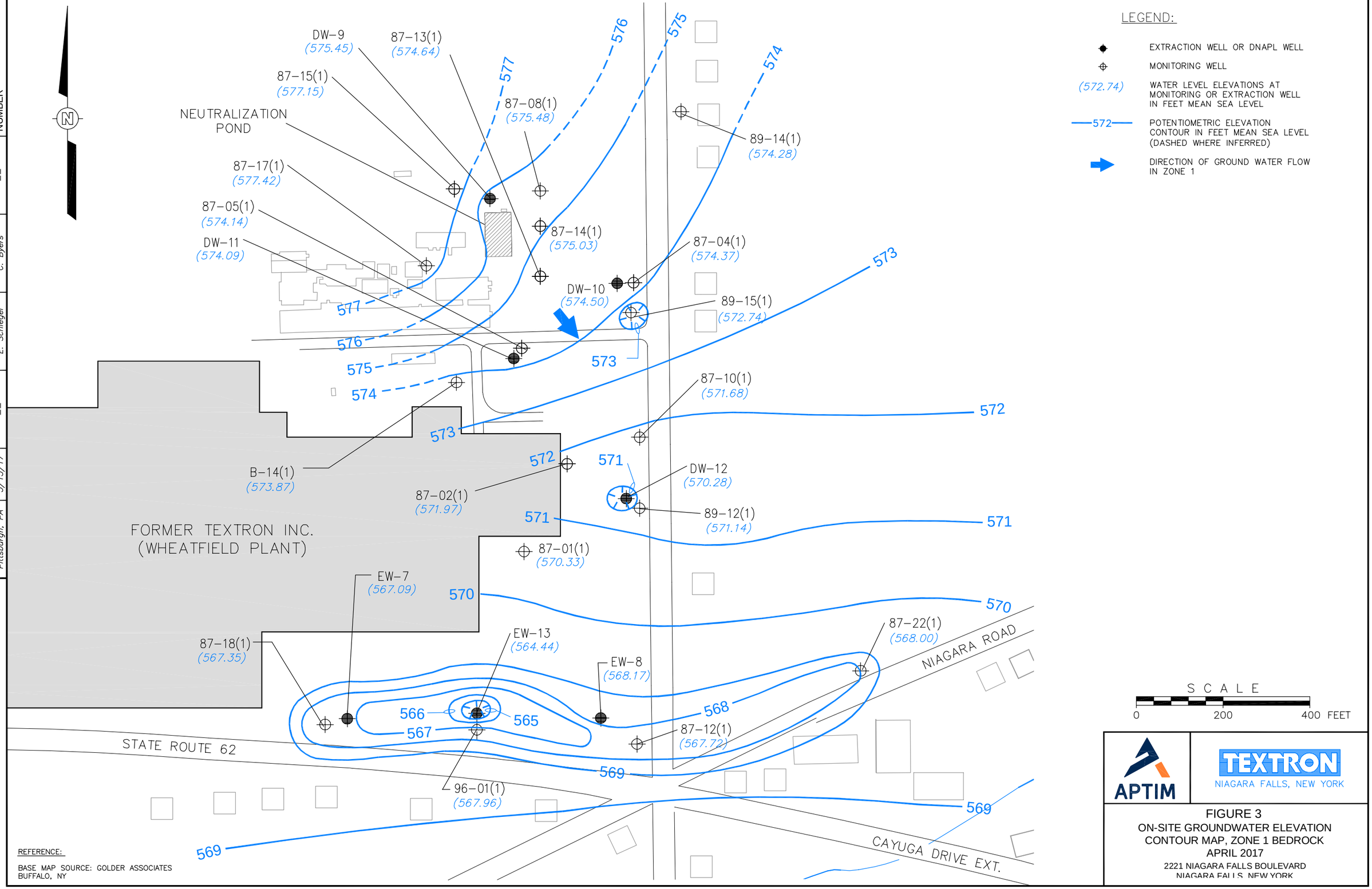
FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP
ZONE 1 BEDROCK - APRIL 2017

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Show Offices - CAD Files\Latham, NY\156045\156045-D6.dwg
Plot Date/Time: Jan 11, 2018 - 1:03pm
Plotted By: Evan.Schlegel

DRAWING NUMBER	156045-B6
APPROVED BY	--
CHECKED BY	C. Byers
DRAWN BY	E. Schlegel
DESIGNED BY	--
DATE	5/15/17
OFFICE	Pittsburgh, PA



REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES BUFFALO, NY

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 3
ON-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 1 BEDROCK
APRIL 2017
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Show Offices - CAD Files\Latham, NY\156045\156045-B6.dwg
Plot Date/Time: Jan 11, 2018 - 1:10pm
Plotted By: Evan.Schlegel
Image

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	E. Schlegel 1/9/18	C. Byers		156045-D9

68,000 m E
69,000 m E
70,000 m E
74,000 m N
73,000 m N

APPROXIMATE LIMIT OF DISSOLVED PHASE PLUME (1 ppb TVO NOVEMBER 2017 SAMPLING EVENT – SEE NOTE 7.)

HORIZONTAL HYDRAULIC GRADIENT = 0.0089 FT/FT

FORMER TEXTRON INC. (WHEATFIELD PLANT)

NEUTRALIZATION POND

87-14(1) (575.17)
87-13(1) (575.08)
87-08(1) (575.72)
DW-9 (575.95)
87-15(1) (577.07)
87-17(1) (577.39)
87-05(1) (574.87)
DW-11 (575.28)
89-14(1) (574.68)
DW-10 (575.08)
87-04(1) (574.62)
89-15(1) (574.75)
B-14(1) (574.19)
87-02(1) (573.54)
87-10(1) (572.84)
DW-12 (573.01)
89-12(1) (572.38)
87-01(1) (570.68)
87-18(1) (567.34)
EW-7 (567.58)
EW-13 (564.46)
EW-8 (568.39)
87-12(1) (567.81)
87-22(1) (568.06)
89-04(1) (570.16)
96-01(1) (568.02)
87-20(1) (567.85)
87-21(1) (567.43)
87-19(1) (568.22)
EW-2 (559.53)
EW-3 (551.81)
EW-5 (560.62)
EW-4 (543.17)
EW-6 (558.84)
93-03(1) (562.22)

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

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)
- (572.84) 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 NOVEMBER 13–16, 2017.
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 (DW–9, DW–10, DW–11, DW–12, EW–7, EW–8, AND EW–13) NOT USED FOR CONTOURS.

SCALE
0 300 600 900 FEET

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 4

GROUNDWATER ELEVATION CONTOUR MAP ZONE 1 BEDROCK - NOVEMBER 2017

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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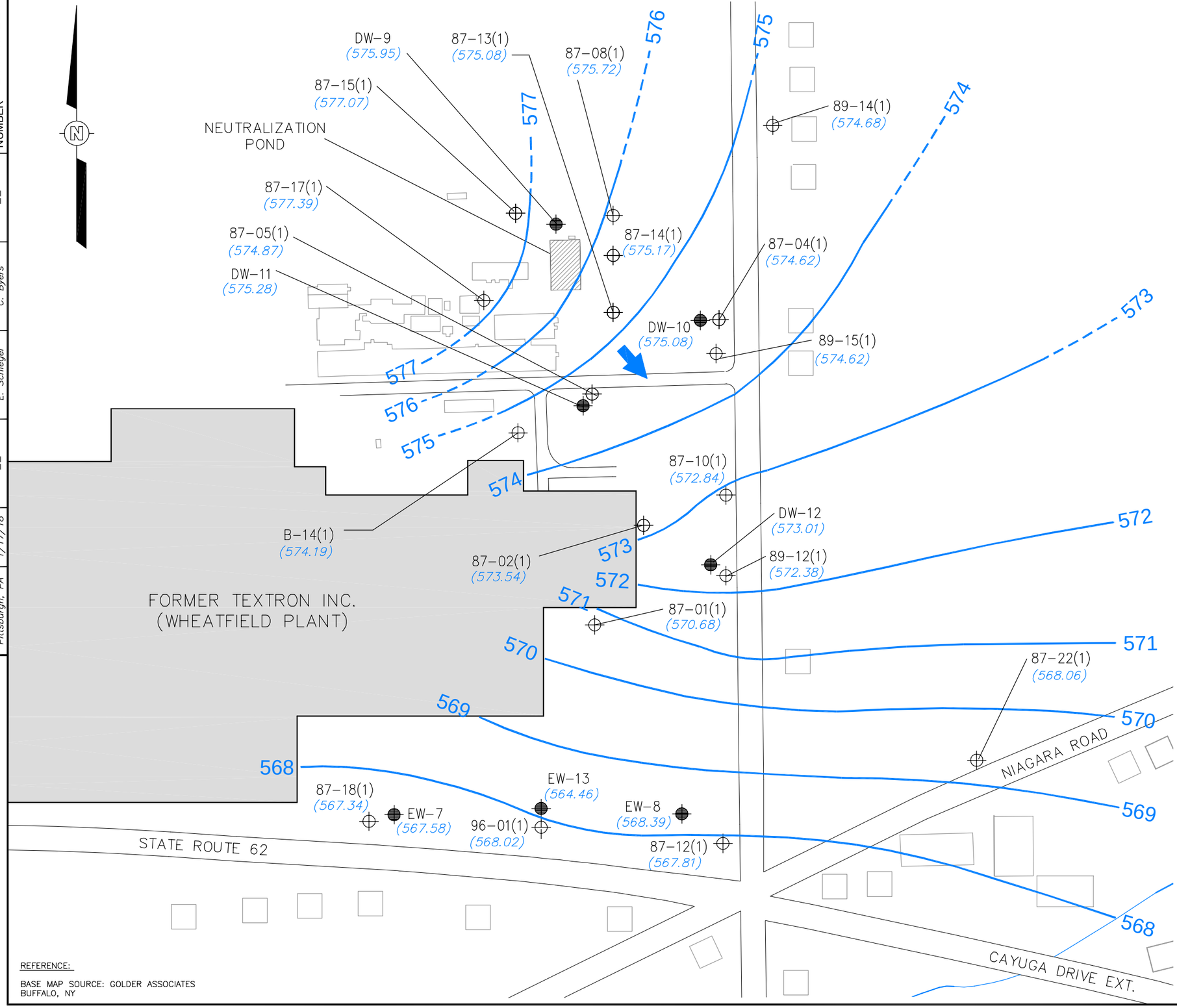
Plotted by: Evan.Schlegel

DRAWING NUMBER	156045-B13
APPROVED BY	--
CHECKED BY	C. Byers
DRAWN BY	E. Schlegel
DESIGNED BY	--
DATE	1/17/18
OFFICE	Pittsburgh, PA



REFERENCE:

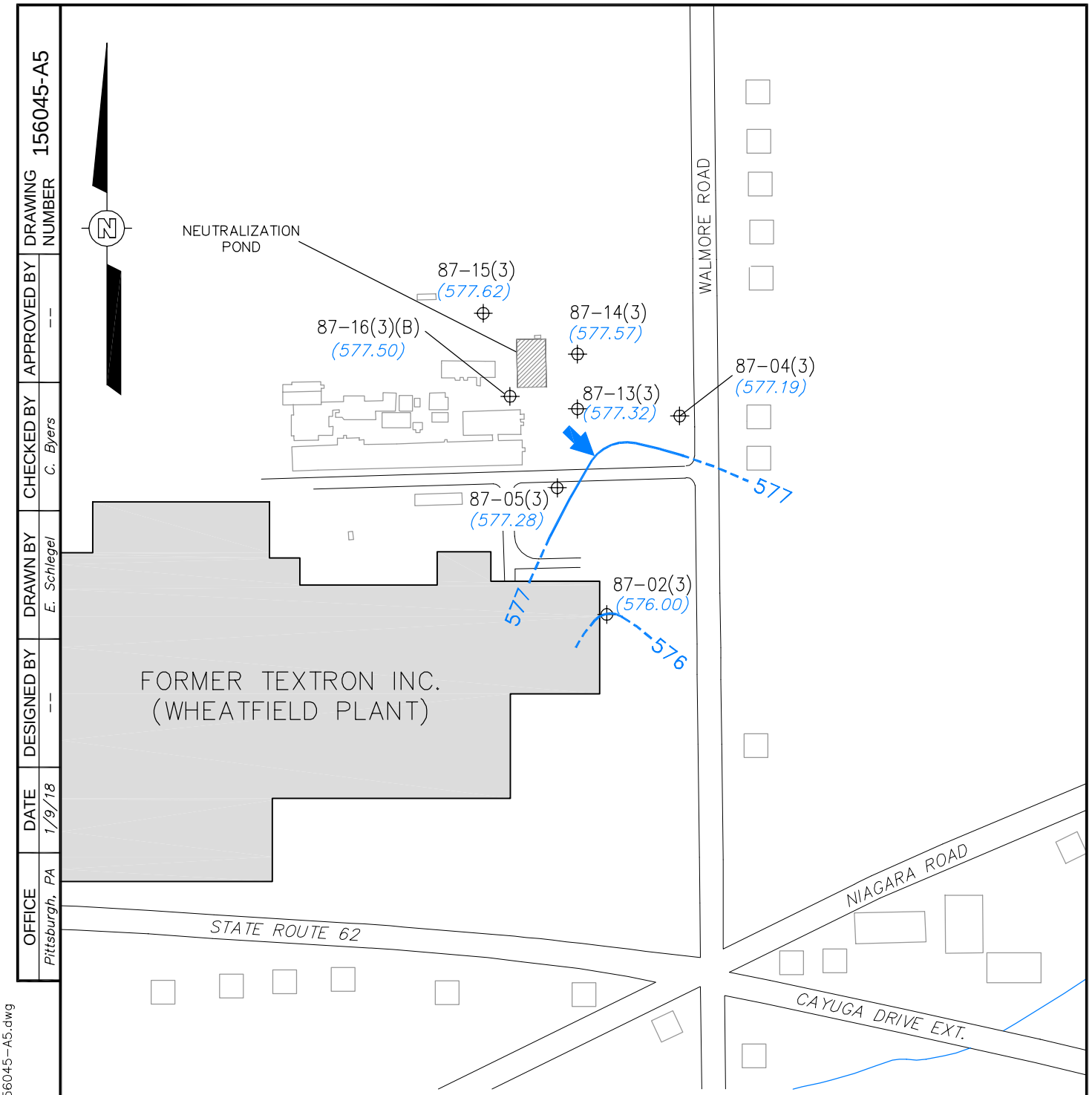
BASE MAP SOURCE: GOLDER ASSOCIATES BUFFALO, NY

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 5
ON-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 1 BEDROCK
NOVEMBER 2017
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Show Offices - CAD Files\Latham, NY\156045\156045-B13.dwg
Plot Date/Time: Jan 18, 2018 - 4:02pm
Plotted By: Evan.Schlegel
Image



LEGEND:

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

SCALE
0 300 600 FEET

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 6
ON-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 3 BEDROCK
NOVEMBER 2017
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	1/9/18	--	E. Schlegel	C. Byers	--	156045-A5

File: O:\Shaw Offices - CAD Files\Latham, NY\156045\156045-A5.dwg
Plot Date/Time: Jan 11, 2018 - 12:27pm
Plotted By: Evan.Schlegel
Xref:
Image

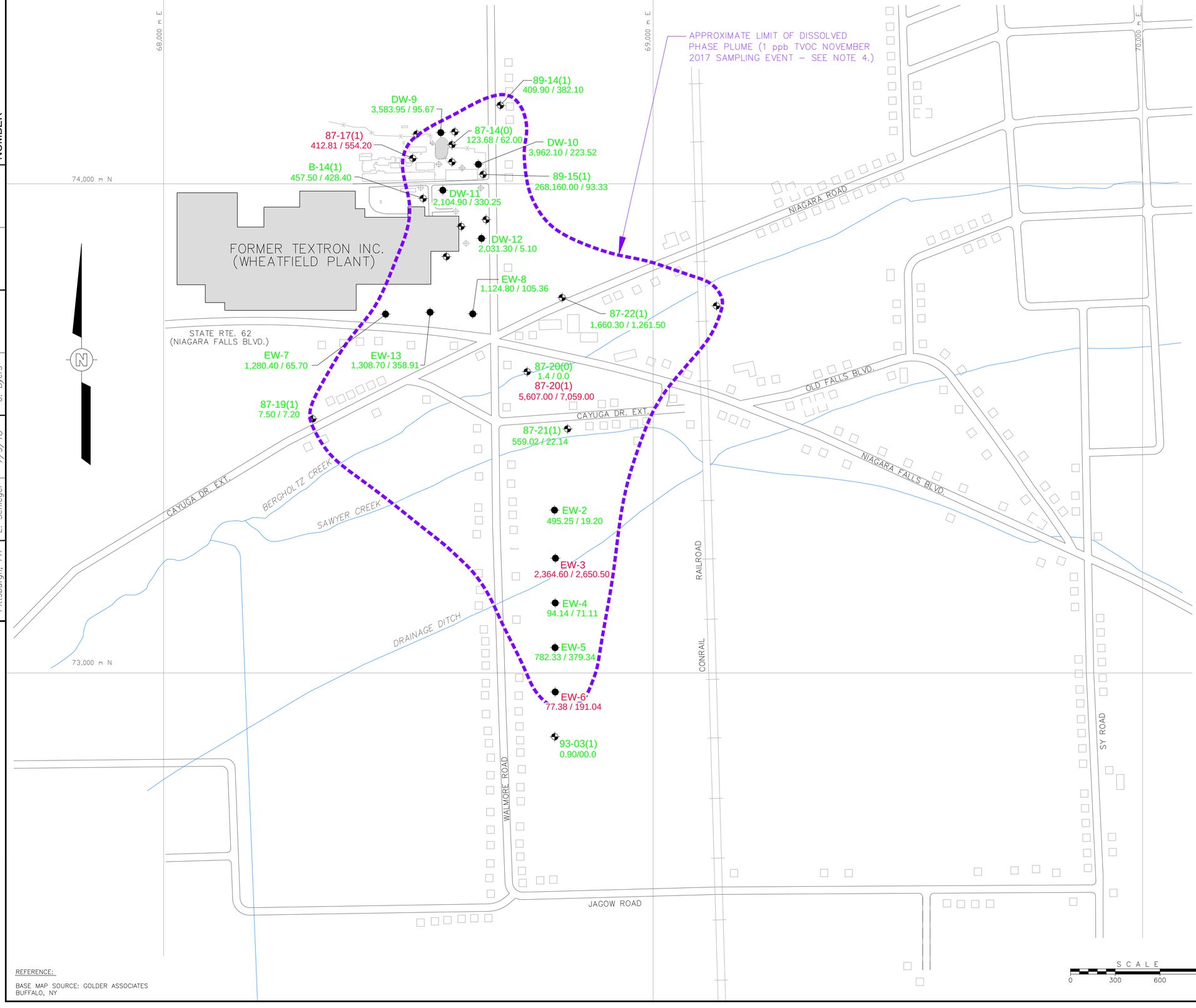
DRAWING NUMBER 631236330-D4

APPROVED BY

CHECKED BY C. Byers

DRAWN BY E. Schlegel 7/9/18

OFFICE Pittsburgh, PA



LEGEND:

- EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL OR PIEZOMETER
- BIO–REMEDIATION PROGRAM WELLS
- APPROXIMATE LIMIT OF DISSOLVED PHASE PLUME (1 ppb TVO)
- EW-3 — INCREASE IN TVOC CONCENTRATION
- EW-2 — DECREASE IN TVOC CONCENTRATION
- 94.14 / 71.11 — 2016 TVOC CONCENTRATION / 2017 TVOC CONCENTRATION

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. TOTAL VOLATILE ORGANIC COMPOUND (TVOC) DETECTIONS/MINUS CARBON DISULFIDE.
5. ALL CONCENTRATIONS ARE REPORTED IN µg/L OR ppb.

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 7

CHANGES IN TVOC CONCENTRATIONS NOVEMBER 2017

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Shaw Offices - CAD Files\Latham, NY\631236330\631236330-D4.dwg
Date/Time: Jul 10, 2018 - 4:39pm
Plotted By: Evan Schlegel

Figure 8

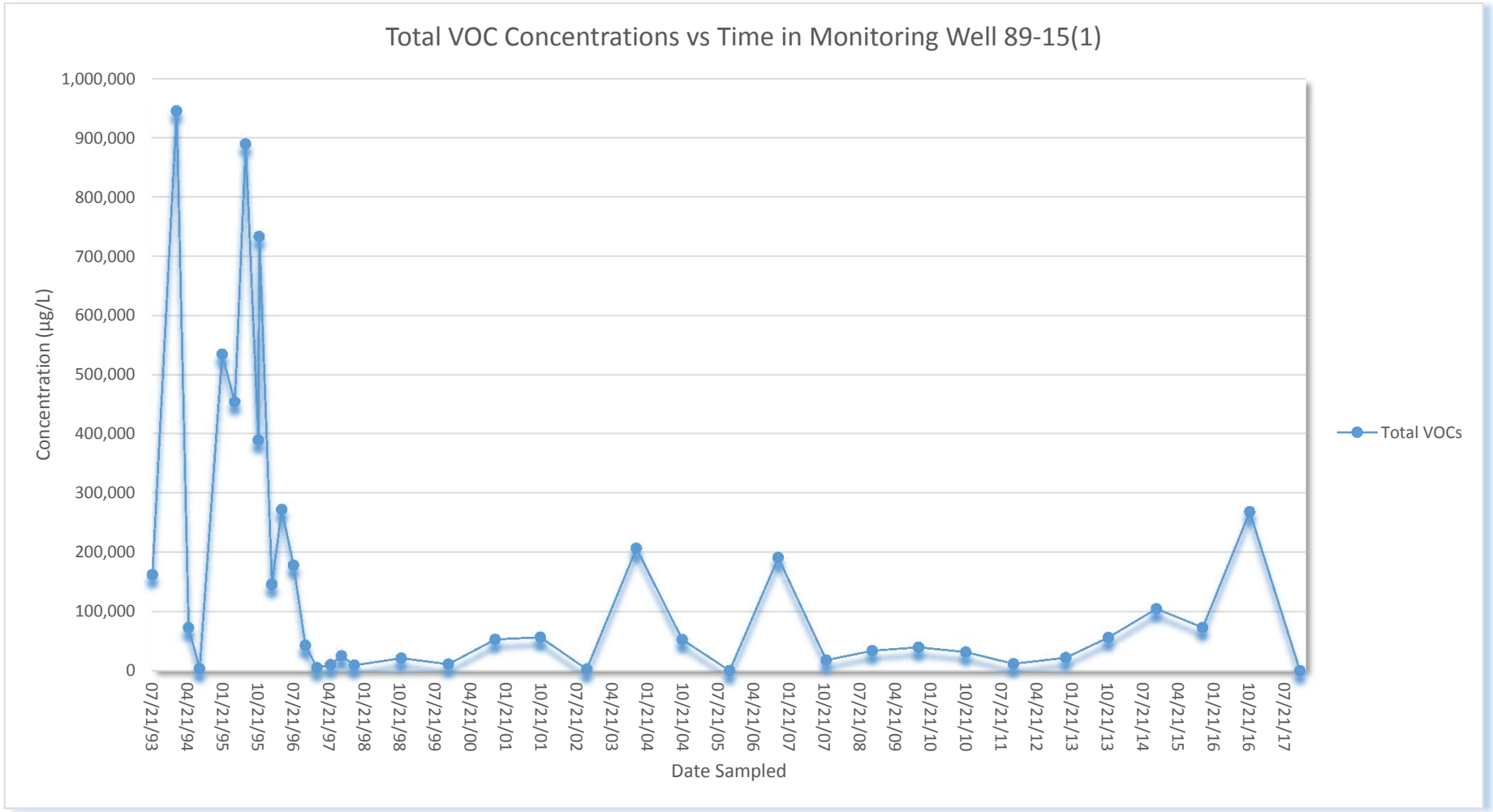

Total VOC Concentrations vs Time in Monitoring Well 89-15(1)
Concentration (µg/L)
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
07/21/93
04/21/94
01/21/95
10/21/95
07/21/96
04/21/97
01/21/98
10/21/98
07/21/99
04/21/00
01/21/01
10/21/01
07/21/02
04/21/03
01/21/04
10/21/04
07/21/05
04/21/06
01/21/07
10/21/07
07/21/08
04/21/09
01/21/10
10/21/10
07/21/11
04/21/12
01/21/13
10/21/13
07/21/14
04/21/15
01/21/16
10/21/16
07/21/17
Date Sampled
Total VOCs

Figure 9

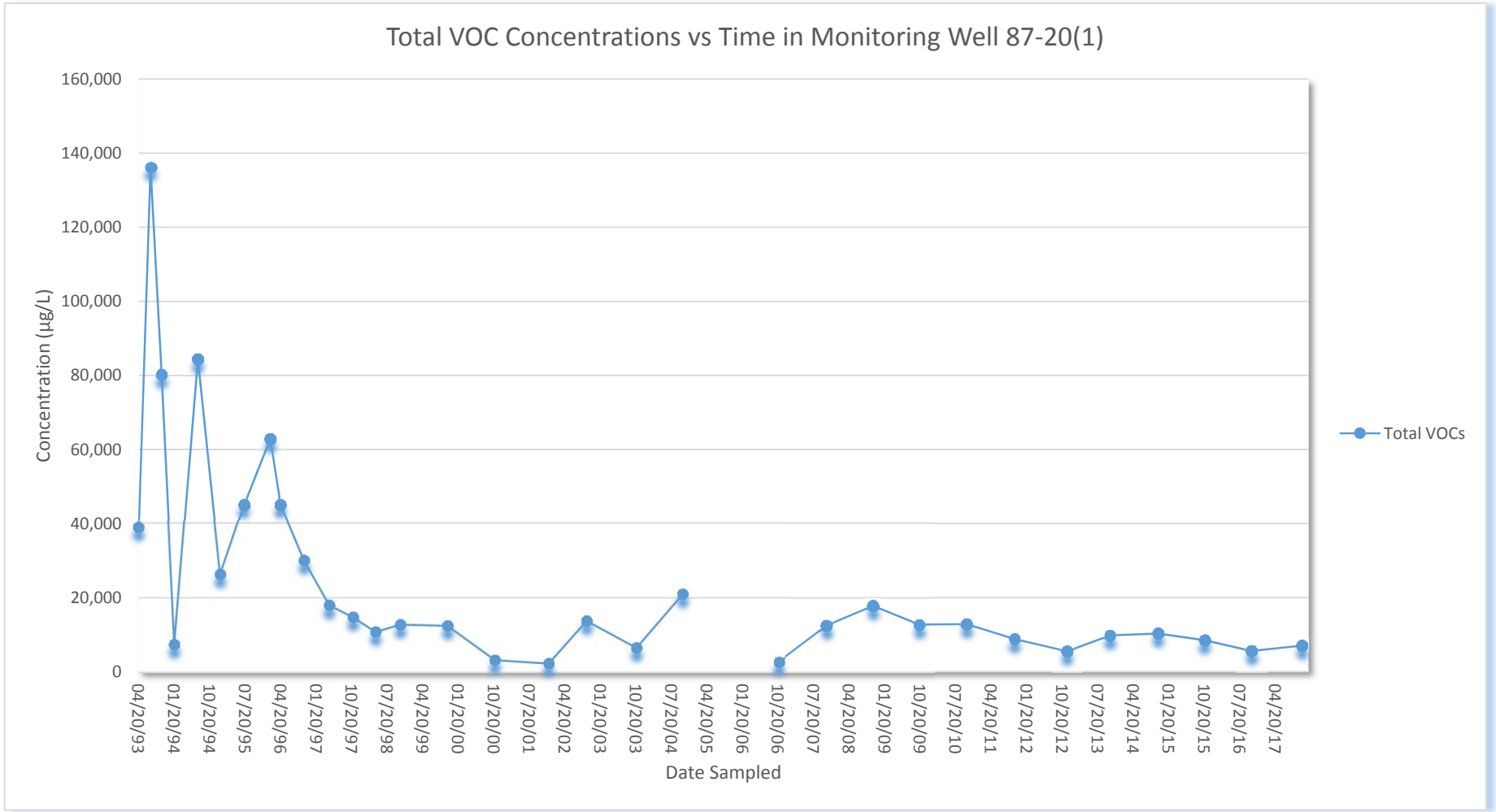
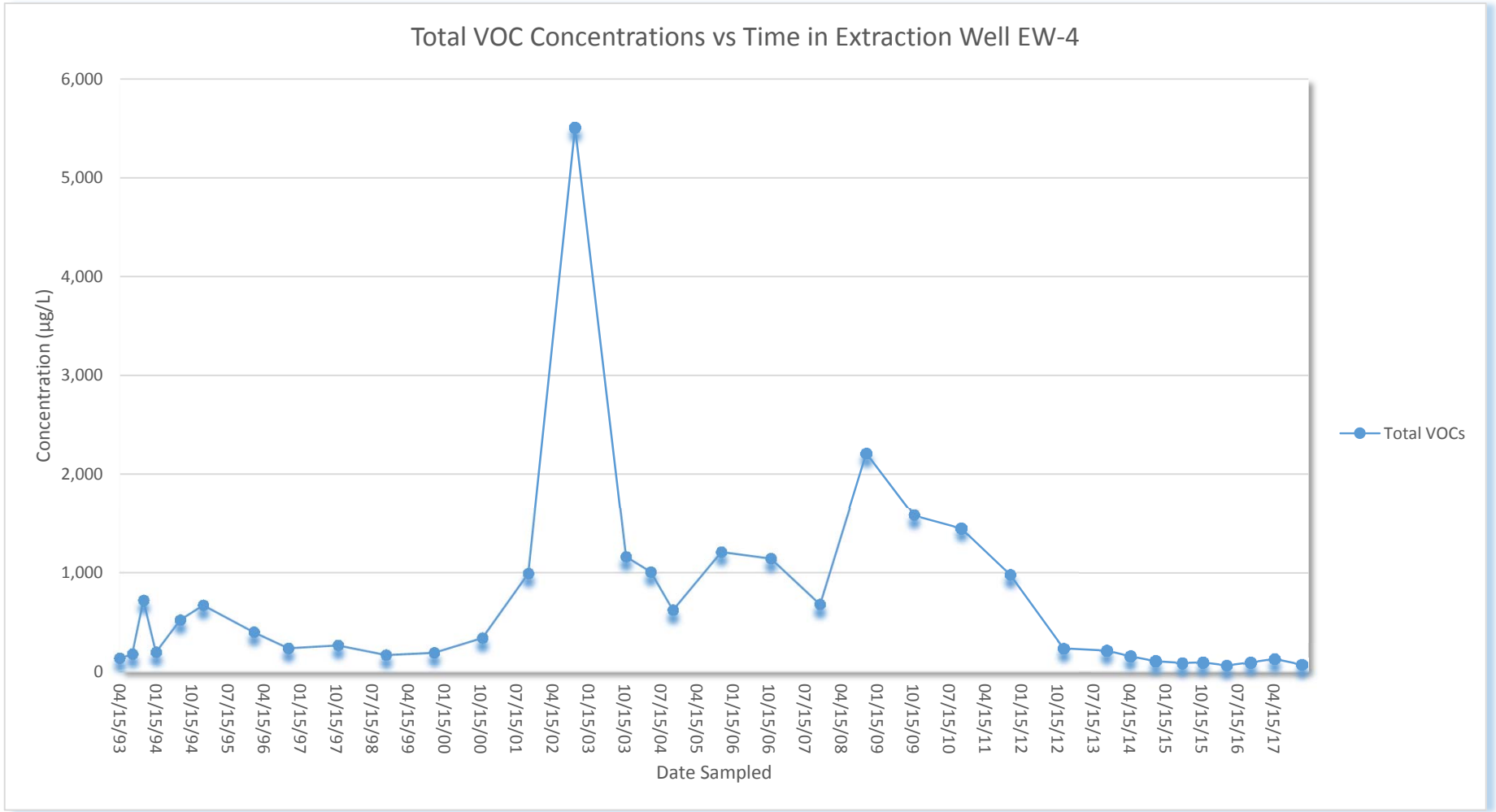

Total VOC Concentrations vs Time in Monitoring Well 87-20(1)
Concentration (µg/L)
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
04/20/93
01/20/94
10/20/94
07/20/95
04/20/96
01/20/97
10/20/97
07/20/98
04/20/99
01/20/00
10/20/00
07/20/01
04/20/02
01/20/03
10/20/03
07/20/04
04/20/05
01/20/06
10/20/06
07/20/07
04/20/08
01/20/09
10/20/09
07/20/10
04/20/11
01/20/12
10/20/12
07/20/13
04/20/14
01/20/15
10/20/15
07/20/16
04/20/17
Date Sampled
Total VOCs

Figure 10


Total VOC Concentrations vs Time in Extraction Well EW-4
Concentration (µg/L)
6,000
5,000
4,000
3,000
2,000
1,000
0
04/15/93
01/15/94
10/15/94
07/15/95
04/15/96
01/15/97
10/15/97
07/15/98
04/15/99
01/15/00
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01/15/12
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04/15/14
01/15/15
10/15/15
07/15/16
04/15/17
Date Sampled
Total VOCs

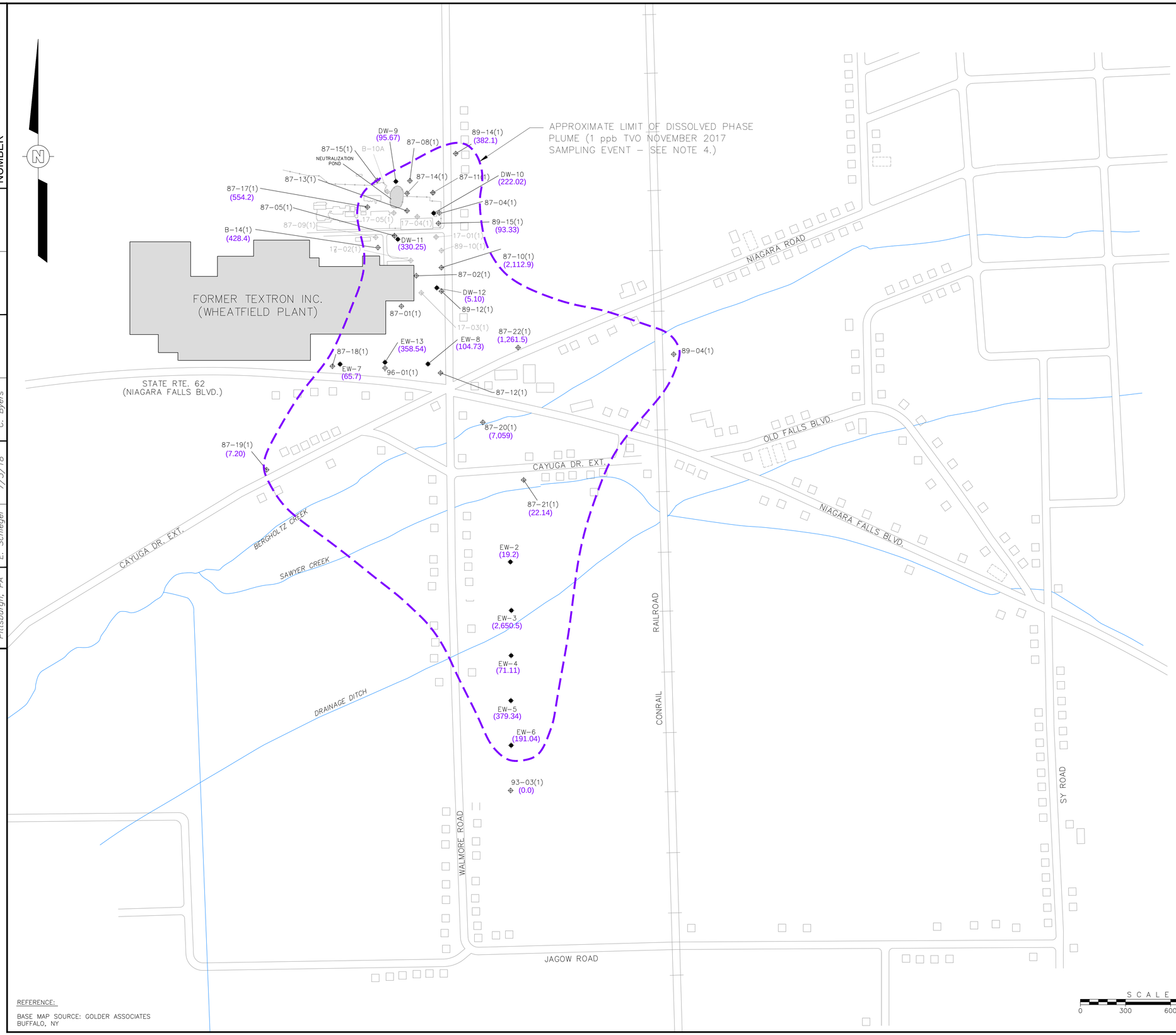
DRAWING NUMBER 631236330-D2

APPROVED BY

CHECKED BY C. Byers

DRAWN BY E. Schlegel 7/3/18

OFFICE Pittsburgh, PA



LEGEND:

- FORMER EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL OR PIEZOMETER
- 87-17(1) BIO-REMEDIATION INJECTION WELLS
- APPROXIMATE LIMIT OF DISSOLVED PHASE PLUME (1 ppb TVOC)
- (19.2) TOTAL VOLATILE ORGANIC COMPOUNDS VALUE (ppb)

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. TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC) DETECTIONS/MINUS CARBON DISULFIDE.
5. ALL CONCENTRATIONS ARE REPORTED IN µg/L OR ppb.

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES BUFFALO, NY

SCALE 0 300 600 900 FEET

APTIM

TEXTRON NIAGARA FALLS, NEW YORK

FIGURE 11

DISSOLVED PHASE PLUME MAP
ZONE 1 BEDROCK - NOVEMBER 2017

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Shaw Offices - CAD Files\Latham, NY\631236330\631236330-D2.dwg
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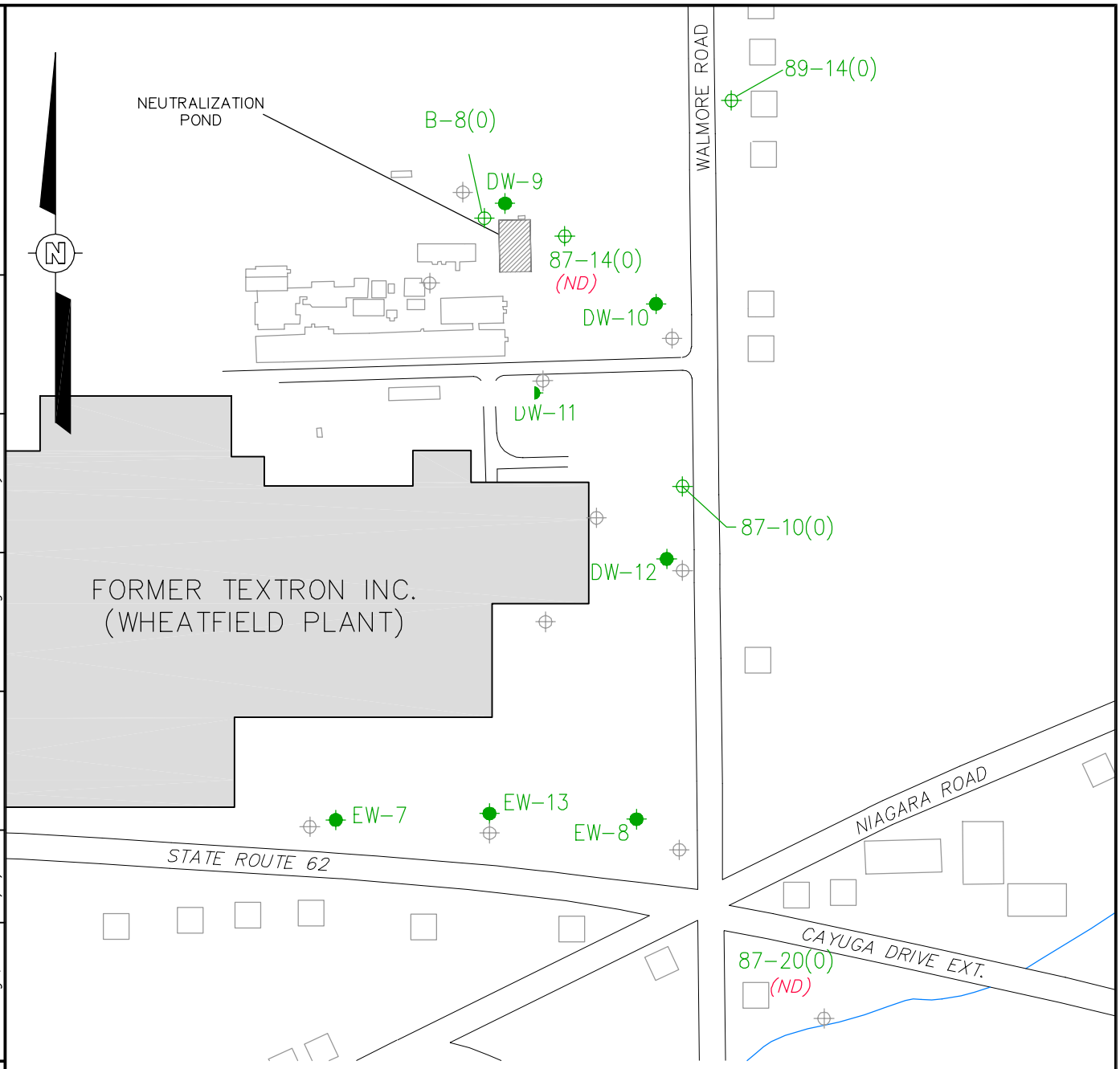
Plotted By: Evan.Schlegel



LEGEND:

- MONITORING WELL OVERBURDEN
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- MONITORING WELL (ZONE 1)
- (ND) NOT DETECTED

SCALE

0 300 600 FEET

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. CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.
5. TOTAL VOLATILE ORGANIC (TVO) DETECTIONS/MINUS CARBON DISULFIDE.

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 12

DISSOLVED PHASE PLUME MAP OVERBURDEN - NOVEMBER 2017

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	1/9/18	--	E. Schlegel	C. Byers	--	156045-A5

File: O:\Shaw Offices - CAD Files\Latham, NY\156045\156045-A5.dwg
Plot Date/Time: Jan 09, 2018 - 3:33pm Image
Plotted By: Evan.Schlegel

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@cbi.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
cecelia.byers@CBI.com

CB&I
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Monroeville, PA 15146
USA
www.CBI.com

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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 I 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

Appendix B

Well Inspection Forms

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: DW-9
Date of Inspection: 11/14/17 (month/day/year)
Time of Inspection: 1130
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place					
	Lock in Place					
	Lock Functional					
	Other					

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

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: DW-10
Date of Inspection: 11/14/17 (month/day/year)
Time of Inspection: 0855
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		/	NA		
	Well Number Readable on Outer Casing		/			
	Integrity of Surface Seal/Apron		/			
	Integrity of Surface Casing		/			
	Corrosion		/			
	Inner Casing/Screen Integrity		/			
	Measuring Point Visibility		/			
	Total Depth		/			
	Siltation		/			
	Recharge Rate		/			
	Other		/			
Security	Security Cap in Place		NA	Vault extraction well		
	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-11
Date of Inspection: 11/13/17 (month/day/year)
Time of Inspection: 1050
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place		NA	Vault		
	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-12
Date of Inspection: 11/13/17 (month/day/year)
Time of Inspection: 1110
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place		NA	Vault		
	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: 11/15/17 (month/day/year)
Time of Inspection: 0850
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA			
	Well Number Readable on Outer Casing		↓			
	Integrity of Surface Seal/Apron		↓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		NA			
	Siltation		↓			
	Recharge Rate		↓			
	Other		✓			
Security	Security Cap in Place		NA			
	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-3
Date of Inspection: 11/15/17 (month/day/year)
Time of Inspection: 0910
Inspector's Name: K Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place			NA		
	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: 11/15/17 (month/day/year)
Time of Inspection: 0930
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place			NA		
	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: 11/15/17 (month/day/year)
Time of Inspection: 0950
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place			NA		
	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: 11/15/17 (month/day/year)
Time of Inspection: 1015
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place			NA		
	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-7
Date of Inspection: 11/15/17 (month/day/year)
Time of Inspection: 1420
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			Concrete beginning to spall & fall away inside - rebar visible		
	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: 11/14/17 (month/day/year)
Time of Inspection: 1510
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place		NA			
	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-13
Date of Inspection: 11/15/17 (month/day/year)
Time of Inspection: 1445
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			NA		
	Well Number Readable on Outer Casing					
	Integrity of Surface Seal/Apron					
	Integrity of Surface Casing					
	Corrosion					
	Inner Casing/Screen Integrity					
	Measuring Point Visibility					
	Total Depth					
	Siltation					
	Recharge Rate					
	Other					
Security	Security Cap in Place			NA		
	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: 11/13/17 (month/day/year)
Time of Inspection: 1235
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)			PVC		
	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: 87-14(O)
Date of Inspection: 11/16/17 (month/day/year)
Time of Inspection: 0940
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA			
	Well Number Readable on Outer Casing	✓				
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓	Moog lock		
	Lock Functional	✓				
	Other					

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

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-17(1)
Date of Inspection: 11/14/17 (month/day/year)
Time of Inspection: 1240
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓	moog lock		
	Lock Functional	✓	~~✓~~			
	Other					

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

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-19(1)
Date of Inspection: 11/15/17 (month/day/year)
Time of Inspection: 1155
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA	Rusty 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: 87-20(0)
Date of Inspection: 11/15/17 (month/day/year)
Time of Inspection: 1320
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA	rusty outer 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: 87-20(1)
Date of Inspection: 11/14/17 (month/day/year)
Time of Inspection: 1350
Inspector's Name: K. Crum

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

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

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 87-21(1)
Date of Inspection: 11/15/17 (month/day/year)
Time of Inspection: 1135
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA	rusty outer 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: 87-22(1)
Date of Inspection: 11/14/17 (month/day/year)
Time of Inspection: 1320
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

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

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 89-14(1)
Date of Inspection: 11/15/17 (month/day/year)
Time of Inspection: 1345
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA	rusty outer 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: 89-15(1)
Date of Inspection: 11/14/17 (month/day/year)
Time of Inspection: 0930
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

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

Well Inspection Form
Textron, Inc.
Wheatfield, New York

Well Designation: 93-03(1)
Date of Inspection: 11/15/17 (month/day/year)
Time of Inspection: 1055
Inspector's Name: K. Cronin

Item	Types of Problems	Status U	Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		NA			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

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: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- DW-9
Date: 11/ 14 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 6" 2"
Air Monitoring Results: 0.0 ppmv – OPEN TO ATM
Depth to Water: ~ 5.35' BTOC
Depth to Bottom: ~ 24.10' BTOC
Purge Volume:
Volume Removed: ~ 6 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	KCC NM			clear
Final Purge	NM			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- DW-9 -171114
Sample Collection Date/Time: 11/ 14 /2017 1130
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

BAT- DUP-1-171114 COLLECTED HERE

Sampler Signature: Kyra Cron

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- DW-10
Date: 11/14/2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 6"/2"
Air Monitoring Results: 0.0 ppmv - open to ATM
Depth to Water: ~ 8.87 BTOC
Depth to Bottom: ~ 29.83 BTOC
Purge Volume:
Volume Removed: ~ 8 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	ORP	DO mg/L
Initial Purge	8.56	0.420	13.98	clear	31.0	8.69
Final Purge	8.39	0.420	13.65	clear	34.2	8.76

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- DW-10 -171134
Sample Collection Date/Time: 11/14/2017 0855
Analysis Requested: EPA Method 8260, (Biologic Parameters if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Ken Cron

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- DW-10
Date: 11/ 13 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 8" 2"
Air Monitoring Results: 0,0 ppmv
Depth to Water: ~ 7.77 BTOC
Depth to Bottom: ~ 25.29' BTOC 50FT
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 | (New) 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	8.09	2.035	14.96	clear
Final Purge	8.04	2.219	15.42	clear

Sampling Method: circle one

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

Sample Number: BAT- DW-10 -171113
Sample Collection Date/Time: 11/ 13 /2017 1050
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyle Cr

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- DW-12
Date: 11/ 13 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2" 8"/2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~ 2.47 BTOC
Depth to Bottom: ~ 27.30 BTOC SOFT
Purge Volume:
Volume Removed: ~ 8 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 | (NEW) Polyethylene Bailer | Grundfos Submersible Pump

PUMP PULLED

Purge Water Disposal: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description	
Initial Purge	8.01	0.692	15.01	clear	DO ORP NM NM
Final Purge	8.05	0.697	15.64	clear	NM NM

Sampling Method: circle one

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

Sample Number: BAT- DW-12 -171113
Sample Collection Date/Time: 11/ 13 /2017
Analysis Requested: EPA Method 8260, (Biologic Parameters) (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate
BAT-DW-12-171113 MS/MSD COLLECTED HERE

Sampler Signature: Kevin Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- EW-2
Date: 11/ 15 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 8"/2"
Air Monitoring Results: 0,0 ppmv OPM
Depth to Water: ~ 8.62'
Depth to Bottom: NM
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: Transported to Plant for Offsite Treatment

PARAMETERS Units	pH s.u.	Spec. Cond. ms/cm	Temp. °C	Sample Description
Initial Purge	7.91	1.095	10.88	clear
Final Purge	7.49	1.097	11.01	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-2 -171115
Sample Collection Date/Time: 11/ 15 /2017 0850
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kevin Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- EW-3
Date: 11/ 15 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 6"/2"
Air Monitoring Results: 0.0 ppmv
Depth to Water: ~17.75
Depth to Bottom: NM
Purge Volume:
Volume Removed: ~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	6.83	2.604	10.88	clear
Final Purge	6.73	2.615	11.16	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-3 -171115
Sample Collection Date/Time: 11/ 15 /2017 0910
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kevin Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- EW-4
Date: 11/ 15 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 8"/ 2"
Air Monitoring Results: 0.0 ppmv OVM
Depth to Water: ~ 26.60'
Depth to Bottom: N.M.
Purge Volume:
Volume Removed: ~6 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	6.89	2.030	11.21	clear
Final Purge	6.79	2.004	11.37	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-4 -171115
Sample Collection Date/Time: 11/ 15 /2017 0930
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyle Cr

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- EW-5
Date: 11/ 15 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 6"/2"
Air Monitoring Results: 0.0 ppmv OPEN
Depth to Water: ~8.85
Depth to Bottom: N.M.
Purge Volume:
Volume Removed: ~4 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	6.78	1.115	10.57	clear
Final Purge	6.56	1.123	10.52	clear

Sampling Method: circle one PUT PUMP IN HAND

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

Sample Number: BAT- EW-5 -171115
Sample Collection Date/Time: 11/ 15 /2017 0950
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature:

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- EW-6
Date: 11/ 15 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 8" / 2"
Air Monitoring Results: 0,0 ppmv
Depth to Water: 9.33'
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 | (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	7.32	1.665	9.87	clear
Final Purge	7.24	1.749	10.30	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-6 -171115
Sample Collection Date/Time: 11/ 15 /2017 1015
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyle Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- EW-7
Date: 11/ 15 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 8" 2"
Air Monitoring Results: 0,0 ppmv
Depth to Water: ~ 13.38' BTOC
Depth to Bottom: ~ 18.00
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	7.36	1.383	15.33	clear
Final Purge	7.20	1.394	15.35	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-7 -171115
Sample Collection Date/Time: 11/ 15 /2017 1420
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyle Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- EW- 8
Date: 11/14/2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 8 1/2"
Air Monitoring Results: 0.0 ppmv (PID)
Depth to Water: ~ 10.05'
Depth to Bottom: 27.75
Purge Volume: ~ 2.9
Volume Removed: ~ 9 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	7.27	1.414	15.74	clear
Final Purge	7.17	1.545	15.63	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- 8 -171114
Sample Collection Date/Time: 11/14/2017 1510
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kevin Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- EW-13
Date: 11/15/2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 8" 2"
Air Monitoring Results: 0.0 ppmv OPEN
Depth to Water: ~15.38'
Depth to Bottom: 34.20'
Purge Volume: ~3 GALS
Volume Removed: ~8 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	7.07	1.730	15.54	clear
Final Purge	6.89	1.699	15.48	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-13 -171115
Sample Collection Date/Time: 11/15/2017 1445
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyle Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- B-14(i)
Date: 11/ 13 /2017
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: ~ 15.35'
Depth to Bottom: ~ 26.99'
Purge Volume: 0.736 GALS
Volume Removed: ~ 3.0 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	ORP	DO mg/l
Initial Purge	7.38	2.389	12.49	clear	-67.4	3.84
Final Purge	7.26	2.422	12.42	clear	-92.9	3.40

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(i) -171113
Sample Collection Date/Time: 11/ 13 /2017 1235
Analysis Requested: EPA Method 8260, (Biologic Parameters (if circled))

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyle Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 87-14(0)
Date: 11/16/2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 2.2 0.0 ppmv
Depth to Water: ~9.76'
Depth to Bottom: ~16.63'
Purge Volume: 1.1 Gals
Volume Removed: ~3.0 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

Well is 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	7.15	1.272	12.77	clear
Final Purge	7.30	1.256	12.11	clear

14 BAN TURBID

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- 87-14(0)-171116
Sample Collection Date/Time: 11/16/2017 0940
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyri Cro

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 87 - 17 (1)
Date: 11/ 14 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.4 0.0 ppmv
Depth to Water: ~ 12.23'
Depth to Bottom: ~ 32.03'
Purge Volume: 3.2 GALS
Volume Removed: ~10 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~~ PVC 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	DO mg/L	ORP
Initial Purge	7.43	2.548	14.27	clear	4.63	-82.
Final Purge	7.26	2.568	13.56	clear	4.02	-91.

Sampling Method: circle one

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

Sample Number: BAT- 87 - 17 (1) -171114
Sample Collection Date/Time: 11/ 14 /2017 1240
Analysis Requested: EPA Method 8260 (Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyra Cro

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 87 - 19 (1)
Date: 11/ 15 /2017
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: ~ 13.25
Depth to Bottom: ~ 33.84
Purge Volume: ~ 5.3 GALS
Volume Removed: ~ 10 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	7.58	1.169	13.49	clear
Final Purge	7.17	~~1.839~~ KC 1.893	12.69	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) -171115
Sample Collection Date/Time: 11/ 15 /2017 1155
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kevin Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 87 - 20(6)
Date: 11/ 15 /2017
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: ~6.67'
Depth to Bottom: ~10.31'
Purge Volume: 0.6 GAL
Volume Removed: 1.8 GALS

WELL IS DRAWING DOWN W/ VOLUME REMV'D.

*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	7.03	1.204	12.62	clear
Final Purge	6.95	0.772	12.27	V SLT GRAY clear (TURBID)

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(6) -171115
Sample Collection Date/Time: 11/ 15 /2017 1320
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kym Cro

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 87-20(1)
Date: 11/ 14 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 3.3 0.0 ppmv
Depth to Water: ~ 11.16'
Depth to Bottom: ~ 31.31'
Purge Volume: ~ 3.3 GAL
Volume Removed: 11 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	7.36	1.666	14.26	clear	1.06	-40
Final Purge	7.31	1.853	13.95	clear	0.47	-39

DO ORP

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(1) -171114
Sample Collection Date/Time: 11/ 14 /2017 1350
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kim Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 87 - 21 (1)
Date: 11/ 15 /2017
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: ~ 33.71'
Purge Volume: ~ 3.9 GALS
Volume Removed: ~ 12 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	7.67	1.078	13.94	clear
Final Purge	7.39	1.053	13.27	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 - 21 (1) -171115
Sample Collection Date/Time: 11/ 15 /2017 1135
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate
BAT- DUP-2-171115 COLLECTED HERE

Sampler Signature: Kyn Cron

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 87-22(1)
Date: 11/ 14 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 1.5 0.0 ppmv
Depth to Water: ~ 15.91
Depth to Bottom: ~ 32.52'
Purge Volume: ~ 2.7 GALS
Volume Removed: ~ 8 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

PVC ε

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	7.40	1.928	11.83	clear
Final Purge	7.08	2.41K	11.33	clear

Del ORP
-6.18 -76.2
EC -86.4 -81
4.12

Sampling Method: circle one

PVC ε

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

Sample Number: BAT- 87-22(1)-171114
Sample Collection Date/Time: 11/ 14 /2017 1320
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyn Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 89-14(1)
Date: 11/15/2017
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: ~12.91'
Depth to Bottom: ~31.32'
Purge Volume: ~3 GALS
Volume Removed: ~9 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	6.94	2.286	13.33	clear
Final Purge	6.73	3.066	12.66	clear

H_2S odor

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)-171115
Sample Collection Date/Time: 11/15/2017 1345
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kevin Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 89-15(1)
Date: 11/ 14 /2017
Field Personnel: K. Cronin - APTIM, Bob Urban - ALS
Physical Condition of Well: Good
Well Diameter: 2"
Air Monitoring Results: 0.5 0.0 ppmv
Depth to Water: ~ 14.01'
Depth to Bottom: ~ 34.45'
Purge Volume: ~ 3.3 GALS
Volume Removed: 10.5 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	DO mg/L	ORP
Initial Purge	7.04	1.301	14.87	clear	1.62	-58.4
Final Purge	7.39	1.345	14.24	clear	1.74	-20.3

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- 89-15 (1) -171114
Sample Collection Date/Time: 11/ 14 /2017 0930
Analysis Requested: EPA Method 8260, (Biologic Parameters (if circled))

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

Sampler Signature: Kyle Cronin

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

Site Name: Textron, Wheatfield, NY
Project Number: 156045
Well Number: MW- 93-03(1)
Date: 11/ 15 /2017
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: ~ 46.93'
Purge Volume: 6.0'
Volume Removed: ~

I level DTW

*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	6.90	3.068	11.28	clear
Final Purge	6.74	3.069	10.73	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- 93-03(1) -171115
Sample Collection Date/Time: 11/ 15 /2017 1055
Analysis Requested: EPA Method 8260, Biologic Parameters (if circled)

Notes: Biologic Parameters: TOC, Volatile Fatty Acids, Ethene, Ethane, Methane, CO_2, Ferrous Iron, Sulfate, Chloride and Nitrate

BAT-93-03(1)-171115 MS/MSD COLLECTED HERE

Sampler Signature: Kyn Cro

Appendix D

Chain-of-Custody Forms

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48376

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: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM, INC 13 BRITISH AMERICAN BLVD, LATHAM, NY 12110	
Phone #: 518 783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature:	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1/5

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP	GC/MS SVOAs ◦ 8270 ◦ 625	GC VOAs ◦ 8021 ◦ 601/602	PESTICIDES ◦ 8081 ◦ 608	PCBs ◦ 8082 ◦ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
BAT-EW-0-171114		11/14/17	1510	GW	3	X							
BAT-EW-2-171115		11/15/17	0850	GW	3	X							
BAT-EW-3-171115			0910		3	X							
BAT-EW-4-171115			0930		3	X							
BAT-EW-5-171115			0950		3	X							
BAT-EW-6-171115			1015		3	X							
BAT-93-03(1)-171115			1055		3	X							
BAT-93-03(1)-171115MS/MSD			1055		6	X							
BAT-87-21(1)-171115			1135		3	X							
BAT-87-19(1)-171115			1155		3	X							
BAT-DUP-2-171115		↓	—	↓	3	X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

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
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: KEVIN CRONIN	Printed Name: [illegible]	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: APTIM	Firm: ALS	Firm:	Firm:	Firm:	Firm:
Date/Time: 11/16/17	Date/Time: 11/16/17	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Distribution: White - Lab Copy; Yellow - Return to Originator

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48377

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Project Name: TEXTRON ANNUAL	Project Number: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM INC 13 BRITISH AMERICAN BLVD LATHAM, NY 12110	
Phone #: 518-783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature:	Sampler's Printed Name:

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP	GC/MS SVOAs ◦ 8270 ◦ 625	GC VOAs ◦ 8021 ◦ 601/602	PESTICIDES ◦ 8081 ◦ 608	PCBs ◦ 8082 ◦ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	624 VOA	608 PCBS (Low Level)	METALS, 4 (Reactivity)	FLASH POINT	pH	REMARKS/ ALTERNATE DESCRIPTION
BAT-87-20(0)-171115		11/15/17	1320	GW	3		X												
BAT-89-14(1)-171115			1345		3		X												
BAT-EW-7-171115			1420		3		X												
BAT-EW-13-171115			1445		3		X												
BAT-17-05(1)171115			1535		3		X												
BAT-17-04(1)171115			1600		3		X												
BAT-87-11(1)171116		11/16/17	0920		2		X												
BAT-87-14(0)171116			0940		3		X												
BAT-FB-2-171116			1005		3		X												
TEXTRON PURGE WATER		11/16/17	1015		11									X	X	X	X	X	X

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
STANDARD
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
_____ I. Results Only
X 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
Signature: Erin Crown	Signature:	Signature	Signature	Signature	Signature
Printed Name: ERIN CROWN	Printed Name:	Printed Name	Printed Name	Printed Name	Printed Name
Firm: APTIM	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 11/16/17	Date/Time: 11/16/17	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

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Appendix E

ALS Environmental, Inc. Analytical Report

January 11, 2018 Service Request No:R1710788

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 November 13, 2017
For your reference, these analyses have been assigned our service request number **R1710788.**

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

1565 Jefferson Rd, Building 300, Rochester, NY 14623 | 585-288-5380 | www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield 156045
Sample Matrix: Water

Service Request:R1710788
Date Received:11/13/17

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

Twelve Water samples were received for analysis at ALS Environmental on 11/13-16/2017. 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.

Volatile Organic Analyses:

Method 8260, 11/17/17: 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.

Approved by _____ Date 1/11/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-DW-11-171113	Lab ID: R1710788-002					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Chloromethane	0.45	J	0.21	1.0	ug/L	8260C
Vinyl Chloride	100		0.32	1.0	ug/L	8260C
Chloroethane	29		0.24	1.0	ug/L	8260C
1,1-Dichloroethene	1.2		0.57	1.0	ug/L	8260C
Carbon Disulfide	0.35	J	0.22	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.0		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	8.6		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	110		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	45		0.36	1.0	ug/L	8260C
Trichloroethene	35		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-DW-12-171113	Lab ID: R1710788-003					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Acetone	2.4	J	1.3	5.0	ug/L	8260C
cis-1,2-Dichloroethene	1.5		0.30	1.0	ug/L	8260C
Trichloroethene	1.2		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-B-14(1)-171113	Lab ID: R1710788-007					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	190		0.64	2.0	ug/L	8260C
1,1-Dichloroethene	1.8	J	1.2	2.0	ug/L	8260C
Carbon Disulfide	0.64	J	0.44	2.0	ug/L	8260C
trans-1,2-Dichloroethene	1.8	J	0.66	2.0	ug/L	8260C
1,1-Dichloroethane	18		0.40	2.0	ug/L	8260C
cis-1,2-Dichloroethene	140		0.60	2.0	ug/L	8260C
1,1,1-Trichloroethane	75		0.72	2.0	ug/L	8260C
Trichloroethene	1.8	J	0.44	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

R1710788 5
APTIM, Inc
Textron Wheatfield Annual

Cooler Receipt and Preservation Check Form

Project/Client APTIM Folder Number .

Cooler received on 11/14/17 by: DW

COURIER: 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: Wet Ice 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?	ALS/ROC CLIENT
7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 11/14/17 Time: 1742 ID: IR#7 (IR#9) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	3.5	3.3	4.9				
Correction Factor (°C)	+0.0	+0.0	+0.0				
Corrected Temp (°C)	3.5	3.3	4.9				
Temp from:Type of bottle							
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 DW on 11/14/17 at 1742
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/15/17 Time: 1336 by: (illegible)

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 (NA)
13. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (NA)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2	213916	H_2SO_4	✓		2FG0235	10/18				
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**	H115022					

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 7-080-001, 6-258-001, 100917-2AAO, 070117-1BMC

Explain all Discrepancies/ Other Comments:

H_3PO_4: 174351 Exp 2/18

Samples rec'd 11/14/17 without COC

ALys.

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

Labels secondary reviewed by: (illegible)
PC Secondary Review: _____

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48149

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Project Name	Project Number
TEXTRON BIO WELLS	
Project Manager	**Report CC**
KEVIN CRONIN	
Company/Address	
APTIM INC	
Phone #	**Email**
Sampler's Signature	**Sampler's Printed Name**
	BOB CLEGG

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 624 • CLP	GC/MS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	Fe2								REMARKS/ ALTERNATE DESCRIPTION
89-10(1)		11/16/17	1045	W									X								
89-12(1)		↓	1055	↓									X								

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day ____2 day ____3 day
_____ 4 day ____5 day
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
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name BOB CLEGG	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm APTIM	Firm APTIM	Firm	Firm	Firm	Firm
Date/Time 11/16/17	Date/Time 11/16/17 1235	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

R1710788 5
APTIM, Inc
Textron Wheatfield Annual

R1710788 5
APTIM, Inc
Textron Wheatfield Annual

Cooler Receipt and Preservation Check Form

Project/Client APTIM Folder Number R1710788

Cooler received on 11/16/17 by: C COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y (N)	5a	Perchlorate samples have required headspace?	Y N (NA)
2	Custody papers properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* bubbles?	Y (N) NA
3	Did all bottles arrive in good condition (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set (NA)	

8. Temperature Readings Date: 11/16/17 Time: 1244 ID: IR#7 (IR#9) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	1.7	0.9					
Correction Factor (°C)	+0.6	+0.6					
Corrected Temp (°C)	2.3	1.5					
Temp from:Type of bottle	Cont Sample	Cont Sample					
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: Rack by C on 11/16/17 at 1246
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11-17-17 Time: 1015 by: [illegible]

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 (N/A)
13.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: _____

Explain all Discrepancies/ Other Comments:

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

Labels secondary reviewed by: KE

PC Secondary Review: DC

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48166

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

Project Name: TEXTRON ANNUAL	Project Number: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM, INC 13 BRITISH AMERICAN BLVD LATHAM, NY 12110	
Phone #: 518-783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature: Kevin Cronin	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1/6 | 1/6 | 3/6 | 7/8

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ● 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	RSK - 175	TOC	ORGANIC ACIDS	ALKALINITY	Field pH KC	REMARKS/ ALTERNATE DESCRIPTION
BAT87-09(1)-171113		11/13/17	1030	GW	12	X					X		X	X	X	X		FIELD pH
BAT DW-11-171113			1050			X					X		X	X	X	X		pH: 7.28
BAT DW-12-171113			1110		↓	X					X		X	X	X	X		pH: 7.85
BAT DW-12-171113MS/MSD			1110		6	X												pH: 7.64
BAT89-12(1)-171113			1135		12	X					X		X	X	X	X		pH: 7.13
BAT89-10(1)-171113			1210		12	X					X		X	X	X	X		pH: 7.13
BAT B-14(1)-171113			1235		12	X					X		X	X	X	X		pH: 7.06
BAT-87-02(1)171113			1310		12	X					X		X	X	X	X		pH: 7.13
BAT-87-01(1)171113			1350		12	X					X		X	X	X	X		pH: 6.96
BAT-BIO DUP-171113			—		12	X					X		X	X	X	X		pH: 7.10

Preservative Key: 0. NONE; 1. HCL; 2. HNO_3; 3. H_2SO_4; 4. NaOH; 5. Zn. Acetate; 6. MeOH; 7. $NaHSO_4$; 8. Other _____ (C_3H_8O)

SPECIAL INSTRUCTIONS/COMMENTS

Metals Fe +2, NO_3, Cl, SO_4

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_____ 1 day _____ 2 day _____ 3 day

_____ 4 day _____ 5 day

STANDARD

REQUESTED REPORT DATE

REPORT REQUIREMENTS

_____ I. Results Only

X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

_____ III. Results + QC and Calibration Summaries

_____ IV. Data Validation Report with Raw Data

Edata X Yes _____ No

INVOICE INFORMATION

PO #

BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Kevin Cronin	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: KEVIN CRONIN	Printed Name: Kyle Lee	Printed Name: Kyle Lee	Printed Name: Daniel Wise	Printed Name:	Printed Name:
Firm: APTIM	Firm: ALS	Firm: ALS	Firm: ALS	Firm:	Firm:
Date/Time: 11/13/17 1400	Date/Time: 11/13/17 1400	Date/Time: 11/13/17 1530	Date/Time: 11/13/17 1530	Date/Time:	Date/Time:

R1710788 APTIM, Inc Textron Wheatfield Annual 5

Distribution: White - Lab Copy; Yellow - Return to Originator

R1710788 5
APTIM, Inc
Textron Wheatfield Annual

Cooler Receipt and Preservation Check Form

Project/Client APTIM Folder Number R1710788

Cooler received on 11/13/17 by: DM COURIER: (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: **Wet Ice** **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?	ALS/ROC CLIENT
7	Soil VOA received as:	Bulk Encore 5035set (NA)

8. Temperature Readings Date: 11/13/17 Time: 1603 ID: (IR#7) IR#9 From: Temp Blank (Sample Bottle)

Observed Temp (°C)	5.6						
Correction Factor (°C)	+0.0						
Corrected Temp (°C)	5.6						
Temp from:Type of bottle							
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 DM on 11/13/17 at 1603
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11-14-17 Time: 11:30 by: HE

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES (NO) > No sample dates/times on bottles
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 Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2	Q13916	H_2SO_4	X		2FG0235	10/18				
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**	411508	11/18				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 7-080-001, 7-249-002, 4115120, 070117-IBMC, 100917-2AAO

Explain all Discrepancies/ Other Comments:

H_3PO_4 Lot 174351 exp 02/18

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

Labels secondary reviewed by: (KD)
PC Secondary Review: DC

*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.

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/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

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.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).

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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Approved	New Jersey ID # NY004	
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 laboratoryôs 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.

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045		

Sample Name:	BAT-DW-11-171113	**Date Collected:**	11/13/17
Lab Code:	R1710788-002	**Date Received:**	11/13/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	BAT-DW-12-171113	**Date Collected:**	11/13/17
Lab Code:	R1710788-003	**Date Received:**	11/13/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	BAT-B-14(1)-171113	**Date Collected:**	11/13/17
Lab Code:	R1710788-007	**Date Received:**	11/13/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

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
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	11/13/17 10:50
Sample Matrix:	Water	**Date Received:**	11/13/17 15:30
Sample Name:	BAT-DW-11-171113	**Units:**	ug/L
Lab Code:	R1710788-002	**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	**0.45 J**	1.0	0.21	1	11/17/17 17:16	
Vinyl Chloride	**100**	1.0	0.32	1	11/17/17 17:16	
Chloroethane	**29**	1.0	0.24	1	11/17/17 17:16	
Bromomethane	1.0 U	1.0	0.29	1	11/17/17 17:16	
1,1-Dichloroethene	**1.2**	1.0	0.57	1	11/17/17 17:16	
Acetone	5.0 U	5.0	1.3	1	11/17/17 17:16	
Carbon Disulfide	**0.35 J**	1.0	0.22	1	11/17/17 17:16	
Methylene Chloride	1.0 U	1.0	0.60	1	11/17/17 17:16	
trans-1,2-Dichloroethene	**1.0**	1.0	0.33	1	11/17/17 17:16	
1,1-Dichloroethane	**8.6**	1.0	0.20	1	11/17/17 17:16	
cis-1,2-Dichloroethene	**110**	1.0	0.30	1	11/17/17 17:16	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/17/17 17:16	
Chloroform	1.0 U	1.0	0.25	1	11/17/17 17:16	
1,1,1-Trichloroethane	**45**	1.0	0.36	1	11/17/17 17:16	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/17/17 17:16	
Benzene	1.0 U	1.0	0.20	1	11/17/17 17:16	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/17/17 17:16	
Trichloroethene	**35**	1.0	0.22	1	11/17/17 17:16	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/17/17 17:16	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/17/17 17:16	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/17/17 17:16	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/17/17 17:16	
Toluene	1.0 U	1.0	0.20	1	11/17/17 17:16	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/17/17 17:16	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/17/17 17:16	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/17/17 17:16	
2-Hexanone	5.0 U	5.0	1.7	1	11/17/17 17:16	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/17/17 17:16	
Chlorobenzene	1.0 U	1.0	0.29	1	11/17/17 17:16	
Ethylbenzene	1.0 U	1.0	0.20	1	11/17/17 17:16	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/17/17 17:16	
o-Xylene	1.0 U	1.0	0.20	1	11/17/17 17:16	
Styrene	1.0 U	1.0	0.20	1	11/17/17 17:16	
Bromoform	1.0 U	1.0	0.42	1	11/17/17 17:16	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/17/17 17:16	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	11/13/17 10:50
Sample Matrix:	Water	**Date Received:**	11/13/17 15:30
Sample Name:	BAT-DW-11-171113	**Units:**	ug/L
Lab Code:	R1710788-002	**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	95	85 - 122	11/17/17 17:16	
Toluene-d8	98	87 - 121	11/17/17 17:16	
Dibromofluoromethane	104	89 - 119	11/17/17 17:16	

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	11/13/17 11:10
Sample Matrix:	Water	**Date Received:**	11/13/17 15:30
Sample Name:	BAT-DW-12-171113	**Units:**	ug/L
Lab Code:	R1710788-003	**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	0.21	1	11/16/17 20:38	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/16/17 20:38	
Chloroethane	1.0 U	1.0	0.24	1	11/16/17 20:38	
Bromomethane	1.0 U	1.0	0.29	1	11/16/17 20:38	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/16/17 20:38	
Acetone	**2.4 J**	5.0	1.3	1	11/16/17 20:38	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/16/17 20:38	
Methylene Chloride	1.0 U	1.0	0.60	1	11/16/17 20:38	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/16/17 20:38	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/16/17 20:38	
cis-1,2-Dichloroethene	**1.5**	1.0	0.30	1	11/16/17 20:38	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/16/17 20:38	
Chloroform	1.0 U	1.0	0.25	1	11/16/17 20:38	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/16/17 20:38	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/16/17 20:38	
Benzene	1.0 U	1.0	0.20	1	11/16/17 20:38	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/16/17 20:38	
Trichloroethene	**1.2**	1.0	0.22	1	11/16/17 20:38	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/16/17 20:38	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/16/17 20:38	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/16/17 20:38	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/16/17 20:38	
Toluene	1.0 U	1.0	0.20	1	11/16/17 20:38	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/16/17 20:38	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/16/17 20:38	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/16/17 20:38	
2-Hexanone	5.0 U	5.0	1.7	1	11/16/17 20:38	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/16/17 20:38	
Chlorobenzene	1.0 U	1.0	0.29	1	11/16/17 20:38	
Ethylbenzene	1.0 U	1.0	0.20	1	11/16/17 20:38	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/16/17 20:38	
o-Xylene	1.0 U	1.0	0.20	1	11/16/17 20:38	
Styrene	1.0 U	1.0	0.20	1	11/16/17 20:38	
Bromoform	1.0 U	1.0	0.42	1	11/16/17 20:38	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/16/17 20:38	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	11/13/17 11:10
Sample Matrix:	Water	**Date Received:**	11/13/17 15:30
Sample Name:	BAT-DW-12-171113	**Units:**	ug/L
Lab Code:	R1710788-003	**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	102	85 - 122	11/16/17 20:38	
Toluene-d8	98	87 - 121	11/16/17 20:38	
Dibromofluoromethane	106	89 - 119	11/16/17 20:38	

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	11/13/17 12:35
Sample Matrix:	Water	**Date Received:**	11/13/17 15:30
Sample Name:	BAT-B-14(1)-171113	**Units:**	ug/L
Lab Code:	R1710788-007	**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	0.42	2	11/16/17 17:43	
Vinyl Chloride	**190**		2.0	0.64	2	11/16/17 17:43	
Chloroethane	2.0	U	2.0	0.48	2	11/16/17 17:43	
Bromomethane	2.0	U	2.0	0.58	2	11/16/17 17:43	
1,1-Dichloroethene	**1.8**	**J**	2.0	1.2	2	11/16/17 17:43	
Acetone	10	U	10	2.5	2	11/16/17 17:43	
Carbon Disulfide	**0.64**	**J**	2.0	0.44	2	11/16/17 17:43	
Methylene Chloride	2.0	U	2.0	1.2	2	11/16/17 17:43	
trans-1,2-Dichloroethene	**1.8**	**J**	2.0	0.66	2	11/16/17 17:43	
1,1-Dichloroethane	**18**		2.0	0.40	2	11/16/17 17:43	
cis-1,2-Dichloroethene	**140**		2.0	0.60	2	11/16/17 17:43	
2-Butanone (MEK)	10	U	10	1.7	2	11/16/17 17:43	
Chloroform	2.0	U	2.0	0.50	2	11/16/17 17:43	
1,1,1-Trichloroethane	**75**		2.0	0.72	2	11/16/17 17:43	
Carbon Tetrachloride	2.0	U	2.0	0.90	2	11/16/17 17:43	
Benzene	2.0	U	2.0	0.40	2	11/16/17 17:43	
1,2-Dichloroethane	2.0	U	2.0	0.72	2	11/16/17 17:43	
Trichloroethene	**1.8**	**J**	2.0	0.44	2	11/16/17 17:43	
1,2-Dichloropropane	2.0	U	2.0	0.40	2	11/16/17 17:43	
Bromodichloromethane	2.0	U	2.0	0.64	2	11/16/17 17:43	
cis-1,3-Dichloropropene	2.0	U	2.0	0.48	2	11/16/17 17:43	
4-Methyl-2-pentanone (MIBK)	10	U	10	1.4	2	11/16/17 17:43	
Toluene	2.0	U	2.0	0.40	2	11/16/17 17:43	
trans-1,3-Dichloropropene	2.0	U	2.0	0.40	2	11/16/17 17:43	
1,1,2-Trichloroethane	2.0	U	2.0	0.68	2	11/16/17 17:43	
Tetrachloroethene	2.0	U	2.0	0.60	2	11/16/17 17:43	
2-Hexanone	10	U	10	3.4	2	11/16/17 17:43	
Dibromochloromethane	2.0	U	2.0	0.62	2	11/16/17 17:43	
Chlorobenzene	2.0	U	2.0	0.58	2	11/16/17 17:43	
Ethylbenzene	2.0	U	2.0	0.40	2	11/16/17 17:43	
m,p-Xylenes	4.0	U	4.0	0.66	2	11/16/17 17:43	
o-Xylene	2.0	U	2.0	0.40	2	11/16/17 17:43	
Styrene	2.0	U	2.0	0.40	2	11/16/17 17:43	
Bromoform	2.0	U	2.0	0.84	2	11/16/17 17:43	
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.50	2	11/16/17 17:43	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	11/13/17 12:35
Sample Matrix:	Water	**Date Received:**	11/13/17 15:30
Sample Name:	BAT-B-14(1)-171113	**Units:**	ug/L
Lab Code:	R1710788-007	**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	11/16/17 17:43	
Toluene-d8	100	87 - 121	11/16/17 17:43	
Dibromofluoromethane	105	89 - 119	11/16/17 17:43	

QC Summary 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

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
www.alsglobal.com

Client: APTIM, Inc **Service Request:** R1710788
Project: Textron Wheatfield Biologic/156045
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Toluene-d8 87 - 121	Dibromofluoromethane 89 - 119
Lab Control Sample	RQ1711950-03	102	102	109
Lab Control Sample	RQ1711925-03	94	99	106
Method Blank	RQ1711950-04	103	102	108
Method Blank	RQ1711925-04	98	99	105
BAT-DW-11-171113	R1710788-002	95	98	104
BAT-B-14(1)-171113	R1710788-007	99	100	105
BAT-DW-12-171113	R1710788-003	102	98	106
BAT-DW-12-171113 MS	RQ1711925-05	104	103	110
BAT-DW-12-171113 DMS	RQ1711925-06	100	100	109

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	11/13/17
Sample Matrix:	Water	**Date Received:**	11/13/17
		Date Analyzed:	11/16/17
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	BAT-DW-12-171113	**Units:**	ug/L
Lab Code:	R1710788-003	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ1711925-05			**Duplicate Matrix Spike** RQ1711925-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloromethane	1.0 U	55.9	50.0	112	58.4	50.0	117	55-160	4	30
Vinyl Chloride	1.0 U	55.9	50.0	112	58.9	50.0	118	60-157	5	30
Chloroethane	1.0 U	60.7	50.0	121	59.3	50.0	119	70-140	2	30
Bromomethane	1.0 U	59.8	50.0	120	69.9	50.0	140	10-162	16	30
1,1-Dichloroethene	1.0 U	55.9	50.0	112	53.8	50.0	108	74-139	4	30
Acetone	2.4 J	42.4	50.0	80	42.0	50.0	79	29-151	<1	30
Carbon Disulfide	1.0 U	52.9	50.0	106	52.3	50.0	105	34-162	1	30
Methylene Chloride	1.0 U	54.8	50.0	110	54.0	50.0	108	75-121	1	30
trans-1,2-Dichloroethene	1.0 U	55.3	50.0	111	55.2	50.0	110	77-125	<1	30
1,1-Dichloroethane	1.0 U	57.4	50.0	115	58.4	50.0	117	74-132	2	30
cis-1,2-Dichloroethene	1.5	54.8	50.0	107	56.5	50.0	110	72-133	3	30
2-Butanone (MEK)	5.0 U	51.5	50.0	103	50.4	50.0	101	46-141	2	30
Chloroform	1.0 U	55.0	50.0	110	55.9	50.0	112	75-130	2	30
1,1,1-Trichloroethane	1.0 U	59.0	50.0	118	59.6	50.0	119	74-127	1	30
Carbon Tetrachloride	1.0 U	59.8	50.0	120	59.2	50.0	118	65-135	1	30
Benzene	1.0 U	53.4	50.0	107	53.0	50.0	106	76-129	<1	30
1,2-Dichloroethane	1.0 U	56.5	50.0	113	54.5	50.0	109	68-130	4	30
Trichloroethene	1.2	55.4	50.0	108	56.0	50.0	110	62-142	<1	30
1,2-Dichloropropane	1.0 U	53.2	50.0	106	53.6	50.0	107	79-124	<1	30
Bromodichloromethane	1.0 U	60.8	50.0	122	61.5	50.0	123	76-127	1	30
cis-1,3-Dichloropropene	1.0 U	53.5	50.0	107	53.6	50.0	107	52-134	<1	30
4-Methyl-2-pentanone (MIBK)	5.0 U	57.6	50.0	115	54.9	50.0	110	60-141	5	30
Toluene	1.0 U	54.6	50.0	109	54.8	50.0	110	79-125	<1	30
trans-1,3-Dichloropropene	1.0 U	56.4	50.0	113	54.1	50.0	108	50-142	4	30
1,1,2-Trichloroethane	1.0 U	54.9	50.0	110	53.8	50.0	108	79-119	2	30
Tetrachloroethene	1.0 U	54.7	50.0	109	56.3	50.0	113	67-137	3	30
2-Hexanone	5.0 U	54.8	50.0	110	52.6	50.0	105	56-132	4	30
Dibromochloromethane	1.0 U	55.4	50.0	111	55.8	50.0	112	72-128	<1	30
Chlorobenzene	1.0 U	55.4	50.0	111	54.2	50.0	108	76-125	2	30
Ethylbenzene	1.0 U	54.2	50.0	108	55.0	50.0	110	72-134	1	30
m,p-Xylenes	2.0 U	111	100	111	109	100	109	68-138	2	30
o-Xylene	1.0 U	55.4	50.0	111	56.3	50.0	113	68-134	2	30
Styrene	1.0 U	57.3	50.0	115	57.3	50.0	115	34-156	<1	30
Bromoform	1.0 U	56.1	50.0	112	57.8	50.0	116	58-133	3	30
1,1,2,2-Tetrachloroethane	1.0 U	54.0	50.0	108	55.8	50.0	112	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.

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1711925-04	**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	0.21	1	11/16/17 12:26	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/16/17 12:26	
Chloroethane	1.0 U	1.0	0.24	1	11/16/17 12:26	
Bromomethane	1.0 U	1.0	0.29	1	11/16/17 12:26	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/16/17 12:26	
Acetone	5.0 U	5.0	1.3	1	11/16/17 12:26	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/16/17 12:26	
Methylene Chloride	1.0 U	1.0	0.60	1	11/16/17 12:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/16/17 12:26	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/16/17 12:26	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/16/17 12:26	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/16/17 12:26	
Chloroform	1.0 U	1.0	0.25	1	11/16/17 12:26	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/16/17 12:26	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/16/17 12:26	
Benzene	1.0 U	1.0	0.20	1	11/16/17 12:26	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/16/17 12:26	
Trichloroethene	1.0 U	1.0	0.22	1	11/16/17 12:26	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/16/17 12:26	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/16/17 12:26	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/16/17 12:26	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/16/17 12:26	
Toluene	1.0 U	1.0	0.20	1	11/16/17 12:26	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/16/17 12:26	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/16/17 12:26	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/16/17 12:26	
2-Hexanone	5.0 U	5.0	1.7	1	11/16/17 12:26	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/16/17 12:26	
Chlorobenzene	1.0 U	1.0	0.29	1	11/16/17 12:26	
Ethylbenzene	1.0 U	1.0	0.20	1	11/16/17 12:26	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/16/17 12:26	
o-Xylene	1.0 U	1.0	0.20	1	11/16/17 12:26	
Styrene	1.0 U	1.0	0.20	1	11/16/17 12:26	
Bromoform	1.0 U	1.0	0.42	1	11/16/17 12:26	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/16/17 12:26	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1711925-04	**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	11/16/17 12:26	
Toluene-d8	99	87 - 121	11/16/17 12:26	
Dibromofluoromethane	105	89 - 119	11/16/17 12:26	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1711950-04	**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	0.21	1	11/17/17 12:05	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/17/17 12:05	
Chloroethane	1.0 U	1.0	0.24	1	11/17/17 12:05	
Bromomethane	1.0 U	1.0	0.29	1	11/17/17 12:05	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/17/17 12:05	
Acetone	5.0 U	5.0	1.3	1	11/17/17 12:05	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/17/17 12:05	
Methylene Chloride	1.0 U	1.0	0.60	1	11/17/17 12:05	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/17/17 12:05	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/17/17 12:05	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/17/17 12:05	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/17/17 12:05	
Chloroform	1.0 U	1.0	0.25	1	11/17/17 12:05	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/17/17 12:05	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/17/17 12:05	
Benzene	1.0 U	1.0	0.20	1	11/17/17 12:05	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/17/17 12:05	
Trichloroethene	1.0 U	1.0	0.22	1	11/17/17 12:05	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/17/17 12:05	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/17/17 12:05	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/17/17 12:05	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/17/17 12:05	
Toluene	1.0 U	1.0	0.20	1	11/17/17 12:05	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/17/17 12:05	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/17/17 12:05	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/17/17 12:05	
2-Hexanone	5.0 U	5.0	1.7	1	11/17/17 12:05	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/17/17 12:05	
Chlorobenzene	1.0 U	1.0	0.29	1	11/17/17 12:05	
Ethylbenzene	1.0 U	1.0	0.20	1	11/17/17 12:05	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/17/17 12:05	
o-Xylene	1.0 U	1.0	0.20	1	11/17/17 12:05	
Styrene	1.0 U	1.0	0.20	1	11/17/17 12:05	
Bromoform	1.0 U	1.0	0.42	1	11/17/17 12:05	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/17/17 12:05	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710788
Project:	Textron Wheatfield Biologic/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1711950-04	**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	11/17/17 12:05	
Toluene-d8	102	87 - 121	11/17/17 12:05	
Dibromofluoromethane	108	89 - 119	11/17/17 12:05	

Client: APTIM, Inc
Project: Textron Wheatfield Biologic/156045
Sample Matrix: Water

Service Request: R1710788
Date Analyzed: 11/16/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1711925-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	19.3	20.0	97	69-145
Vinyl Chloride	8260C	19.1	20.0	95	69-133
Chloroethane	8260C	21.6	20.0	108	70-127
Bromomethane	8260C	17.2	20.0	86	42-166
1,1-Dichloroethene	8260C	18.3	20.0	91	74-135
Acetone	8260C	18.3	20.0	91	40-161
Carbon Disulfide	8260C	18.5	20.0	92	65-127
Methylene Chloride	8260C	18.3	20.0	91	73-122
trans-1,2-Dichloroethene	8260C	19.1	20.0	96	80-120
1,1-Dichloroethane	8260C	19.1	20.0	96	78-117
cis-1,2-Dichloroethene	8260C	18.8	20.0	94	80-121
2-Butanone (MEK)	8260C	20.1	20.0	101	61-137
Chloroform	8260C	18.9	20.0	95	76-120
1,1,1-Trichloroethane	8260C	19.4	20.0	97	74-120
Carbon Tetrachloride	8260C	18.9	20.0	95	68-125
Benzene	8260C	17.7	20.0	88	76-118
1,2-Dichloroethane	8260C	18.5	20.0	92	71-127
Trichloroethene	8260C	19.0	20.0	95	78-123
1,2-Dichloropropane	8260C	17.9	20.0	89	80-119
Bromodichloromethane	8260C	19.9	20.0	100	78-126
cis-1,3-Dichloropropene	8260C	18.8	20.0	94	74-126
4-Methyl-2-pentanone (MIBK)	8260C	18.7	20.0	94	66-124
Toluene	8260C	18.1	20.0	90	77-120
trans-1,3-Dichloropropene	8260C	18.8	20.0	94	67-135
1,1,2-Trichloroethane	8260C	17.7	20.0	88	82-118
Tetrachloroethene	8260C	19.4	20.0	97	78-124
2-Hexanone	8260C	18.6	20.0	93	63-124
Dibromochloromethane	8260C	18.7	20.0	94	77-128
Chlorobenzene	8260C	19.1	20.0	96	80-121
Ethylbenzene	8260C	18.8	20.0	94	76-120
m,p-Xylenes	8260C	37.0	40.0	92	78-123
o-Xylene	8260C	18.0	20.0	90	80-120
Styrene	8260C	19.0	20.0	95	80-124

Client: APTIM, Inc
Project: Textron Wheatfield Biologic/156045
Sample Matrix: Water

Service Request: R1710788
Date Analyzed: 11/16/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1711925-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	18.2	20.0	91	71-136
1,1,2,2-Tetrachloroethane	8260C	18.0	20.0	90	78-122

Client: APTIM, Inc
Project: Textron Wheatfield Biologic/156045
Sample Matrix: Water

Service Request: R1710788
Date Analyzed: 11/17/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1711950-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	19.4	20.0	97	69-145
Vinyl Chloride	8260C	19.3	20.0	97	69-133
Chloroethane	8260C	21.6	20.0	108	70-127
Bromomethane	8260C	17.0	20.0	85	42-166
1,1-Dichloroethene	8260C	20.1	20.0	100	74-135
Acetone	8260C	17.1	20.0	85	40-161
Carbon Disulfide	8260C	19.3	20.0	96	65-127
Methylene Chloride	8260C	19.6	20.0	98	73-122
trans-1,2-Dichloroethene	8260C	20.0	20.0	100	80-120
1,1-Dichloroethane	8260C	19.9	20.0	99	78-117
cis-1,2-Dichloroethene	8260C	19.0	20.0	95	80-121
2-Butanone (MEK)	8260C	18.2	20.0	91	61-137
Chloroform	8260C	19.9	20.0	99	76-120
1,1,1-Trichloroethane	8260C	20.0	20.0	100	74-120
Carbon Tetrachloride	8260C	20.0	20.0	100	68-125
Benzene	8260C	19.1	20.0	95	76-118
1,2-Dichloroethane	8260C	19.3	20.0	97	71-127
Trichloroethene	8260C	20.2	20.0	101	78-123
1,2-Dichloropropane	8260C	19.0	20.0	95	80-119
Bromodichloromethane	8260C	20.5	20.0	102	78-126
cis-1,3-Dichloropropene	8260C	18.6	20.0	93	74-126
4-Methyl-2-pentanone (MIBK)	8260C	18.0	20.0	90	66-124
Toluene	8260C	18.9	20.0	95	77-120
trans-1,3-Dichloropropene	8260C	19.9	20.0	100	67-135
1,1,2-Trichloroethane	8260C	19.2	20.0	96	82-118
Tetrachloroethene	8260C	18.6	20.0	93	78-124
2-Hexanone	8260C	16.8	20.0	84	63-124
Dibromochloromethane	8260C	18.7	20.0	94	77-128
Chlorobenzene	8260C	19.7	20.0	98	80-121
Ethylbenzene	8260C	19.7	20.0	98	76-120
m,p-Xylenes	8260C	38.2	40.0	96	78-123
o-Xylene	8260C	18.4	20.0	92	80-120
Styrene	8260C	19.7	20.0	98	80-124

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield Biologic/156045
Sample Matrix: Water

Service Request: R1710788
Date Analyzed: 11/17/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1711950-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	18.0	20.0	90	71-136
1,1,2,2-Tetrachloroethane	8260C	17.7	20.0	88	78-122

January 11, 2018 Service Request No:R1710829

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 November 14, 2017
For your reference, these analyses have been assigned our service request number **R1710829.**

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

1565 Jefferson Rd, Building 300, Rochester, NY 14623 | 585-288-5380 | www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request:R1710829
Date Received:11/14/17

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 11/14/2017. 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.

Volatile Organic Analyses:

Method 8260C, 11/21/17 and 11/22/17: 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 1/11/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-DW-10-171114	Lab ID: R1710829-004					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Chloromethane	0.24	J	0.21	1.0	ug/L	8260C
Vinyl Chloride	2.3		0.32	1.0	ug/L	8260C
Acetone	1.5	J	1.3	5.0	ug/L	8260C
Methylene Chloride	170		0.60	1.0	ug/L	8260C
cis-1,2-Dichloroethene	17		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.48	J	0.36	1.0	ug/L	8260C
Trichloroethene	32		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-89-15 (1)-171114	Lab ID: R1710829-005					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Chloromethane	0.26	J	0.21	1.0	ug/L	8260C
Vinyl Chloride	20		0.32	1.0	ug/L	8260C
1,1-Dichloroethene	0.66	J	0.57	1.0	ug/L	8260C
Carbon Disulfide	0.26	J	0.22	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.44	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	3.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	62		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.97	J	0.36	1.0	ug/L	8260C
Trichloroethene	5.1		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-DW-9-171114	Lab ID: R1710829-008					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Acetone	1.7	J	1.3	5.0	ug/L	8260C
1,1-Dichloroethane	0.40	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	22		0.30	1.0	ug/L	8260C
Chloroform	0.47	J	0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.1		0.36	1.0	ug/L	8260C
Trichloroethene	70		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-DUP-1-171114	Lab ID: R1710829-010					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Acetone	1.3	J	1.3	5.0	ug/L	8260C
1,1-Dichloroethane	0.44	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	24		0.30	1.0	ug/L	8260C
Chloroform	0.52	J	0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.2		0.36	1.0	ug/L	8260C
Trichloroethene	71		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-87-17 (1)-171114	Lab ID: R1710829-011					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	280	D	1.6	5.0	ug/L	8260C
1,1-Dichloroethene	1.5		0.57	1.0	ug/L	8260C
Acetone	1.8	J	1.3	5.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-17 (1)-171114	Lab ID: R1710829-011					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Carbon Disulfide	1.4		0.22	1.0	ug/L	8260C
trans-1,2-Dichloroethene	2.2		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	26		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	130		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	110		0.36	1.0	ug/L	8260C
Trichloroethene	2.7		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-87-22 (1)-171114	Lab ID: R1710829-012					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	430		1.6	5.0	ug/L	8260C
trans-1,2-Dichloroethene	4.3	J	1.7	5.0	ug/L	8260C
1,1-Dichloroethane	4.6	J	1.0	5.0	ug/L	8260C
cis-1,2-Dichloroethene	820		1.5	5.0	ug/L	8260C
Trichloroethene	2.6	J	1.1	5.0	ug/L	8260C

CLIENT ID: BAT-87-20 (1)-171114	Lab ID: R1710829-013					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	760		8.0	25	ug/L	8260C
Bromomethane	9.0	J	7.3	25	ug/L	8260C
trans-1,2-Dichloroethene	17	J	8.3	25	ug/L	8260C
1,1-Dichloroethane	13	J	5.0	25	ug/L	8260C
cis-1,2-Dichloroethene	6200	D	15	50	ug/L	8260C
1,1,1-Trichloroethane	26		9.0	25	ug/L	8260C
Trichloroethene	34		5.5	25	ug/L	8260C

CLIENT ID: BAT-FB-171114	Lab ID: R1710829-015					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Chloromethane	0.32	J	0.21	1.0	ug/L	8260C
Acetone	1.3	J	1.3	5.0	ug/L	8260C
Toluene	1.5		0.20	1.0	ug/L	8260C

CLIENT ID: TRIP BLANK 1	Lab ID: R1710829-016					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Chloromethane	0.32	BJ	0.21	1.0	ug/L	8260C
Bromomethane	0.57	J	0.29	1.0	ug/L	8260C

CLIENT ID: TRIP BLANK 2	Lab ID: R1710829-017					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Chloromethane	0.44	J	0.21	1.0	ug/L	8260C
Bromomethane	0.29	J	0.29	1.0	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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48374

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: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM, INC 13 BRITISH AMERICAN BLVD. LATHAM, NY 12110	
Phone #: 518-783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature: KEVIN CRONIN	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1/6 | 1/6 | 3/6 | 9/6

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ◉8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	RSK-175	TOC	ORGANIC ACIDS	ALKALINITY	REMARKS/ ALTERNATE DESCRIPTION
BAT-17-03(1)-171113		11/13/17	1515	GW	3	X											FIELD pH: —
BAT-17-02(1)-171113			1535		3	X											—
BAT-17-01(1)-171113			ACOS		3	X											—
BAT-DW-10-171114		11/14/17	0855		12	X							X	X	X	X	8.35
BAT-89-15(1)-171114			0930		12	X							X	X	X	X	7.38
BAT-87-13(1)-171114			1020		12	X							X	X	X	X	7.12
BAT-87-13(1)-171114	MS/MSD		1020		12	X							X	X	X	X	7.10
BAT-07-08(1)-171114			1100		12	X							X	X	X	X	7.22
BAT-DW-9-171114			1130		12	X							X	X	X	X	7.53
BAT-B-10A-171114			1200		12	X							X	X	X	X	8.86
BAT-DUP-1-171114			—		3	X											—

Preservative Key: 0. NONE; 1. HCl; 2. HNO_3; 3. H_2SO_4; 4. NaOH; 5. Zn. Acetate; 6. MeOH; 7. $NaHSO_4$; 8. Other ICE

SPECIAL INSTRUCTIONS/COMMENTS

Metals

Fe^{+2}, NO_3, Cl, SO_4

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

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:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: KEVIN CRONIN	Signature: BRIAN MACKIN	Signature: BRIAN MACKIN	Signature: Daniel Ward	Signature:	Signature:
Printed Name: KEVIN CRONIN	Printed Name: BRIAN MACKIN	Printed Name: BRIAN MACKIN	Printed Name: Daniel Ward	Printed Name:	Printed Name:
Firm: APTIM	Firm: ALS	Firm: ALS	Firm: ALS	Firm:	Firm:
Date/Time: 11/14/17 1450	Date/Time: 11/14/17 1450	Date/Time: 11/14/17 1635	Date/Time: 11/14/17 1635	Date/Time:	Date/Time:

R1710829 5

APTIM, Inc
Textron Wheatfield Annual

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48375

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Project Name: TexTron ANNUAL	Project Number: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM, INC 13 BRITISH AMERICAN BLVD LATHAM, NY 12110	
Phone #: 518 783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature:	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1/6, 1/6, 3/6, 4/6

NUMBER OF CONTAINERS | GC/MS VOAs ○ 8260 ○ 624 ○ CLP | GC/MS SVOAs ○ 8270 ○ 625 | GC VOAs ○ 8021 ○ 601/602 | PESTICIDES ○ 8081 ○ 608 | PCBs ○ 8082 ○ 608 | METALS, TOTAL (List in comments below) | METALS, DISSOLVED (List in comments below) | RSK-175 | TOC | CLGANIC ACIDS | ALKALINITY | REMARKS/ ALTERNATE DESCRIPTION

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	#	REMARKS/ ALTERNATE DESCRIPTION
BAT-87-17(1)-171114		11/14/17	1240	GW	12	FIELD pH: 7.2
BAT-87-22(1)-171114			1320		12	6.91
BAT-87-20(1)-171114			1350		12	7.83
BAT-87-12(1)-171114			1425		12	7.05
BAT-FB-171114		11/14/17	1440	DI	12	

SPECIAL INSTRUCTIONS/COMMENTS
Metals

Fe^{+2}, NO_3, Cl, SO_4

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

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:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Kevin Cronin	Signature: Brian Mackin	Signature: Brian Mackin	Signature: David Ward	Signature:	Signature:
Printed Name: KEVIN CRONIN	Printed Name: BRIAN MACKIN	Printed Name: BRIAN MACKIN	Printed Name: David Ward	Printed Name:	Printed Name:
Firm: APTIM	Firm: ALS	Firm: ALS	Firm: ALS	Firm:	Firm:
Date/Time: 11/14/17 1450	Date/Time: 11/14/17 1450	Date/Time: 11/14/17 1635	Date/Time: 11/14/17 1635	Date/Time:	Date/Time:

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Cooler Receipt and Preservation Check Form

Project/Client APTIM Folder Number _____.

Cooler received on 11/14/17 by: DW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: Wet Ice Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 11/14/17 Time: 1742 ID: IR#7 (IR#9) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	3.5	3.3	4.4				
Correction Factor (°C)	+0.0	+0.0	+0.0				
Corrected Temp (°C)	3.5	3.3	4.4				
Temp from:Type of bottle							
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-012 by DW on 11/14/17 at 1742
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/15/17 Time: 1344 by: (illegible)

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 Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2	213916	H_2SO_4	✓		2FG0235	10/18				
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**	4115022	10/17				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 6-258-001, 7-080-001, 100917-2AMO, 070117-1BMC

Explain all Discrepancies/ Other Comments:

NO Trip blanks on COC

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

Labels secondary reviewed by: (illegible)
PC Secondary Review: _____

*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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: 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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Approved	New Jersey ID # NY004	
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 laboratoryôs 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.

Client: APTIM, Inc **Service Request:** R1710829
Project: Textron Wheatfield/156045

Sample Name: BAT-DW-10-171114 **Date Collected:** 11/14/17
Lab Code: R1710829-004 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-89-15 (1)-171114 **Date Collected:** 11/14/17
Lab Code: R1710829-005 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-DW-9-171114 **Date Collected:** 11/14/17
Lab Code: R1710829-008 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-DUP-1-171114 **Date Collected:** 11/14/17
Lab Code: R1710829-010 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-87-17 (1)-171114 **Date Collected:** 11/14/17
Lab Code: R1710829-011 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Client: APTIM, Inc **Service Request:** R1710829
Project: Textron Wheatfield/156045

Sample Name: BAT-87-22 (1)-171114 **Date Collected:** 11/14/17
Lab Code: R1710829-012 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-87-20 (1)-171114 **Date Collected:** 11/14/17
Lab Code: R1710829-013 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-FB-171114 **Date Collected:** 11/14/17
Lab Code: R1710829-015 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: TRIP BLANK 1 **Date Collected:** 11/13/17
Lab Code: R1710829-016 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: TRIP BLANK 2 **Date Collected:** 11/14/17
Lab Code: R1710829-017 **Date Received:** 11/14/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

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
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 08:55
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-DW-10-171114	**Units:**	ug/L
Lab Code:	R1710829-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	**0.24**	**J**	1.0	0.21	1	11/21/17 15:18	
Vinyl Chloride	**2.3**		1.0	0.32	1	11/21/17 15:18	
Chloroethane	1.0	U	1.0	0.24	1	11/21/17 15:18	
Bromomethane	1.0	U	1.0	0.29	1	11/21/17 15:18	
1,1-Dichloroethene	1.0	U	1.0	0.57	1	11/21/17 15:18	
Acetone	**1.5**	**J**	5.0	1.3	1	11/21/17 15:18	
Carbon Disulfide	1.0	U	1.0	0.22	1	11/21/17 15:18	
Methylene Chloride	**170**		1.0	0.60	1	11/21/17 15:18	
trans-1,2-Dichloroethene	1.0	U	1.0	0.33	1	11/21/17 15:18	
1,1-Dichloroethane	1.0	U	1.0	0.20	1	11/21/17 15:18	
cis-1,2-Dichloroethene	**17**		1.0	0.30	1	11/21/17 15:18	
2-Butanone (MEK)	5.0	U	5.0	0.81	1	11/21/17 15:18	
Chloroform	1.0	U	1.0	0.25	1	11/21/17 15:18	
1,1,1-Trichloroethane	**0.48**	**J**	1.0	0.36	1	11/21/17 15:18	
Carbon Tetrachloride	1.0	U	1.0	0.45	1	11/21/17 15:18	
Benzene	1.0	U	1.0	0.20	1	11/21/17 15:18	
1,2-Dichloroethane	1.0	U	1.0	0.36	1	11/21/17 15:18	
Trichloroethene	**32**		1.0	0.22	1	11/21/17 15:18	
1,2-Dichloropropane	1.0	U	1.0	0.20	1	11/21/17 15:18	
Bromodichloromethane	1.0	U	1.0	0.32	1	11/21/17 15:18	
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	1	11/21/17 15:18	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.67	1	11/21/17 15:18	
Toluene	1.0	U	1.0	0.20	1	11/21/17 15:18	
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	1	11/21/17 15:18	
1,1,2-Trichloroethane	1.0	U	1.0	0.34	1	11/21/17 15:18	
Tetrachloroethene	1.0	U	1.0	0.30	1	11/21/17 15:18	
2-Hexanone	5.0	U	5.0	1.7	1	11/21/17 15:18	
Dibromochloromethane	1.0	U	1.0	0.31	1	11/21/17 15:18	
Chlorobenzene	1.0	U	1.0	0.29	1	11/21/17 15:18	
Ethylbenzene	1.0	U	1.0	0.20	1	11/21/17 15:18	
m,p-Xylenes	2.0	U	2.0	0.33	1	11/21/17 15:18	
o-Xylene	1.0	U	1.0	0.20	1	11/21/17 15:18	
Styrene	1.0	U	1.0	0.20	1	11/21/17 15:18	
Bromoform	1.0	U	1.0	0.42	1	11/21/17 15:18	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.25	1	11/21/17 15:18	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 08:55
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-DW-10-171114	**Units:**	ug/L
Lab Code:	R1710829-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	11/21/17 15:18	
Toluene-d8	101	87 - 121	11/21/17 15:18	
Dibromofluoromethane	95	89 - 119	11/21/17 15:18	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 09:30
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-89-15 (1)-171114	**Units:**	ug/L
Lab Code:	R1710829-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	**0.26 J**	1.0	0.21	1	11/21/17 18:37	
Vinyl Chloride	**20**	1.0	0.32	1	11/21/17 18:37	
Chloroethane	1.0 U	1.0	0.24	1	11/21/17 18:37	
Bromomethane	1.0 U	1.0	0.29	1	11/21/17 18:37	
1,1-Dichloroethene	**0.66 J**	1.0	0.57	1	11/21/17 18:37	
Acetone	5.0 U	5.0	1.3	1	11/21/17 18:37	
Carbon Disulfide	**0.26 J**	1.0	0.22	1	11/21/17 18:37	
Methylene Chloride	1.0 U	1.0	0.60	1	11/21/17 18:37	
trans-1,2-Dichloroethene	**0.44 J**	1.0	0.33	1	11/21/17 18:37	
1,1-Dichloroethane	**3.9**	1.0	0.20	1	11/21/17 18:37	
cis-1,2-Dichloroethene	**62**	1.0	0.30	1	11/21/17 18:37	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/21/17 18:37	
Chloroform	1.0 U	1.0	0.25	1	11/21/17 18:37	
1,1,1-Trichloroethane	**0.97 J**	1.0	0.36	1	11/21/17 18:37	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/21/17 18:37	
Benzene	1.0 U	1.0	0.20	1	11/21/17 18:37	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/21/17 18:37	
Trichloroethene	**5.1**	1.0	0.22	1	11/21/17 18:37	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/21/17 18:37	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/21/17 18:37	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/21/17 18:37	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/21/17 18:37	
Toluene	1.0 U	1.0	0.20	1	11/21/17 18:37	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/21/17 18:37	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/21/17 18:37	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/21/17 18:37	
2-Hexanone	5.0 U	5.0	1.7	1	11/21/17 18:37	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/21/17 18:37	
Chlorobenzene	1.0 U	1.0	0.29	1	11/21/17 18:37	
Ethylbenzene	1.0 U	1.0	0.20	1	11/21/17 18:37	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/21/17 18:37	
o-Xylene	1.0 U	1.0	0.20	1	11/21/17 18:37	
Styrene	1.0 U	1.0	0.20	1	11/21/17 18:37	
Bromoform	1.0 U	1.0	0.42	1	11/21/17 18:37	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/21/17 18:37	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 09:30
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-89-15 (1)-171114	**Units:**	ug/L
Lab Code:	R1710829-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	11/21/17 18:37	
Toluene-d8	99	87 - 121	11/21/17 18:37	
Dibromofluoromethane	95	89 - 119	11/21/17 18:37	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 11:30
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-DW-9-171114	**Units:**	ug/L
Lab Code:	R1710829-008	**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	11/22/17 20:32	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/22/17 20:32	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 20:32	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 20:32	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 20:32	
Acetone	**1.7 J**	5.0	1.3	1	11/22/17 20:32	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 20:32	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 20:32	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/22/17 20:32	
1,1-Dichloroethane	**0.40 J**	1.0	0.20	1	11/22/17 20:32	
cis-1,2-Dichloroethene	**22**	1.0	0.30	1	11/22/17 20:32	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 20:32	
Chloroform	**0.47 J**	1.0	0.25	1	11/22/17 20:32	
1,1,1-Trichloroethane	**1.1**	1.0	0.36	1	11/22/17 20:32	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 20:32	
Benzene	1.0 U	1.0	0.20	1	11/22/17 20:32	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 20:32	
Trichloroethene	**70**	1.0	0.22	1	11/22/17 20:32	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 20:32	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 20:32	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 20:32	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 20:32	
Toluene	1.0 U	1.0	0.20	1	11/22/17 20:32	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 20:32	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 20:32	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 20:32	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 20:32	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 20:32	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 20:32	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 20:32	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 20:32	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 20:32	
Styrene	1.0 U	1.0	0.20	1	11/22/17 20:32	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 20:32	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 20:32	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 11:30
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-DW-9-171114	**Units:**	ug/L
Lab Code:	R1710829-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	11/22/17 20:32	
Toluene-d8	98	87 - 121	11/22/17 20:32	
Dibromofluoromethane	96	89 - 119	11/22/17 20:32	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-DUP-1-171114	**Units:**	ug/L
Lab Code:	R1710829-010	**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	11/21/17 14:56	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/21/17 14:56	
Chloroethane	1.0 U	1.0	0.24	1	11/21/17 14:56	
Bromomethane	1.0 U	1.0	0.29	1	11/21/17 14:56	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/21/17 14:56	
Acetone	**1.3 J**	5.0	1.3	1	11/21/17 14:56	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/21/17 14:56	
Methylene Chloride	1.0 U	1.0	0.60	1	11/21/17 14:56	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/21/17 14:56	
1,1-Dichloroethane	**0.44 J**	1.0	0.20	1	11/21/17 14:56	
cis-1,2-Dichloroethene	**24**	1.0	0.30	1	11/21/17 14:56	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/21/17 14:56	
Chloroform	**0.52 J**	1.0	0.25	1	11/21/17 14:56	
1,1,1-Trichloroethane	**1.2**	1.0	0.36	1	11/21/17 14:56	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/21/17 14:56	
Benzene	1.0 U	1.0	0.20	1	11/21/17 14:56	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/21/17 14:56	
Trichloroethene	**71**	1.0	0.22	1	11/21/17 14:56	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/21/17 14:56	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/21/17 14:56	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/21/17 14:56	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/21/17 14:56	
Toluene	1.0 U	1.0	0.20	1	11/21/17 14:56	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/21/17 14:56	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/21/17 14:56	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/21/17 14:56	
2-Hexanone	5.0 U	5.0	1.7	1	11/21/17 14:56	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/21/17 14:56	
Chlorobenzene	1.0 U	1.0	0.29	1	11/21/17 14:56	
Ethylbenzene	1.0 U	1.0	0.20	1	11/21/17 14:56	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/21/17 14:56	
o-Xylene	1.0 U	1.0	0.20	1	11/21/17 14:56	
Styrene	1.0 U	1.0	0.20	1	11/21/17 14:56	
Bromoform	1.0 U	1.0	0.42	1	11/21/17 14:56	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/21/17 14:56	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-DUP-1-171114	**Units:**	ug/L
Lab Code:	R1710829-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	11/21/17 14:56	
Toluene-d8	100	87 - 121	11/21/17 14:56	
Dibromofluoromethane	94	89 - 119	11/21/17 14:56	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 12:40
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-87-17 (1)-171114	**Units:**	ug/L
Lab Code:	R1710829-011	**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	11/21/17 17:22	
Vinyl Chloride	**280**	**D**	5.0	1.6	5	11/22/17 19:27	
Chloroethane	1.0	U	1.0	0.24	1	11/21/17 17:22	
Bromomethane	1.0	U	1.0	0.29	1	11/21/17 17:22	
1,1-Dichloroethene	**1.5**		1.0	0.57	1	11/21/17 17:22	
Acetone	**1.8**	**J**	5.0	1.3	1	11/21/17 17:22	
Carbon Disulfide	**1.4**		1.0	0.22	1	11/21/17 17:22	
Methylene Chloride	1.0	U	1.0	0.60	1	11/21/17 17:22	
trans-1,2-Dichloroethene	**2.2**		1.0	0.33	1	11/21/17 17:22	
1,1-Dichloroethane	**26**		1.0	0.20	1	11/21/17 17:22	
cis-1,2-Dichloroethene	**130**		1.0	0.30	1	11/21/17 17:22	
2-Butanone (MEK)	5.0	U	5.0	0.81	1	11/21/17 17:22	
Chloroform	1.0	U	1.0	0.25	1	11/21/17 17:22	
1,1,1-Trichloroethane	**110**		1.0	0.36	1	11/21/17 17:22	
Carbon Tetrachloride	1.0	U	1.0	0.45	1	11/21/17 17:22	
Benzene	1.0	U	1.0	0.20	1	11/21/17 17:22	
1,2-Dichloroethane	1.0	U	1.0	0.36	1	11/21/17 17:22	
Trichloroethene	**2.7**		1.0	0.22	1	11/21/17 17:22	
1,2-Dichloropropane	1.0	U	1.0	0.20	1	11/21/17 17:22	
Bromodichloromethane	1.0	U	1.0	0.32	1	11/21/17 17:22	
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	1	11/21/17 17:22	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.67	1	11/21/17 17:22	
Toluene	1.0	U	1.0	0.20	1	11/21/17 17:22	
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	1	11/21/17 17:22	
1,1,2-Trichloroethane	1.0	U	1.0	0.34	1	11/21/17 17:22	
Tetrachloroethene	1.0	U	1.0	0.30	1	11/21/17 17:22	
2-Hexanone	5.0	U	5.0	1.7	1	11/21/17 17:22	
Dibromochloromethane	1.0	U	1.0	0.31	1	11/21/17 17:22	
Chlorobenzene	1.0	U	1.0	0.29	1	11/21/17 17:22	
Ethylbenzene	1.0	U	1.0	0.20	1	11/21/17 17:22	
m,p-Xylenes	2.0	U	2.0	0.33	1	11/21/17 17:22	
o-Xylene	1.0	U	1.0	0.20	1	11/21/17 17:22	
Styrene	1.0	U	1.0	0.20	1	11/21/17 17:22	
Bromoform	1.0	U	1.0	0.42	1	11/21/17 17:22	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.25	1	11/21/17 17:22	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 12:40
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-87-17 (1)-171114	**Units:**	ug/L
Lab Code:	R1710829-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	113	85 - 122	11/21/17 17:22	
Toluene-d8	101	87 - 121	11/21/17 17:22	
Dibromofluoromethane	97	89 - 119	11/21/17 17:22	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 13:20
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-87-22 (1)-171114	**Units:**	ug/L
Lab Code:	R1710829-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	5.0	U	5.0	1.1	5	11/22/17 19:49	
Vinyl Chloride	**430**		5.0	1.6	5	11/22/17 19:49	
Chloroethane	5.0	U	5.0	1.2	5	11/22/17 19:49	
Bromomethane	5.0	U	5.0	1.5	5	11/22/17 19:49	
1,1-Dichloroethene	5.0	U	5.0	2.9	5	11/22/17 19:49	
Acetone	25	U	25	6.2	5	11/22/17 19:49	
Carbon Disulfide	5.0	U	5.0	1.1	5	11/22/17 19:49	
Methylene Chloride	5.0	U	5.0	3.0	5	11/22/17 19:49	
trans-1,2-Dichloroethene	**4.3**	**J**	5.0	1.7	5	11/22/17 19:49	
1,1-Dichloroethane	**4.6**	**J**	5.0	1.0	5	11/22/17 19:49	
cis-1,2-Dichloroethene	**820**		5.0	1.5	5	11/22/17 19:49	
2-Butanone (MEK)	25	U	25	4.1	5	11/22/17 19:49	
Chloroform	5.0	U	5.0	1.3	5	11/22/17 19:49	
1,1,1-Trichloroethane	5.0	U	5.0	1.8	5	11/22/17 19:49	
Carbon Tetrachloride	5.0	U	5.0	2.3	5	11/22/17 19:49	
Benzene	5.0	U	5.0	1.0	5	11/22/17 19:49	
1,2-Dichloroethane	5.0	U	5.0	1.8	5	11/22/17 19:49	
Trichloroethene	**2.6**	**J**	5.0	1.1	5	11/22/17 19:49	
1,2-Dichloropropane	5.0	U	5.0	1.0	5	11/22/17 19:49	
Bromodichloromethane	5.0	U	5.0	1.6	5	11/22/17 19:49	
cis-1,3-Dichloropropene	5.0	U	5.0	1.2	5	11/22/17 19:49	
4-Methyl-2-pentanone (MIBK)	25	U	25	3.4	5	11/22/17 19:49	
Toluene	5.0	U	5.0	1.0	5	11/22/17 19:49	
trans-1,3-Dichloropropene	5.0	U	5.0	1.0	5	11/22/17 19:49	
1,1,2-Trichloroethane	5.0	U	5.0	1.7	5	11/22/17 19:49	
Tetrachloroethene	5.0	U	5.0	1.5	5	11/22/17 19:49	
2-Hexanone	25	U	25	8.3	5	11/22/17 19:49	
Dibromochloromethane	5.0	U	5.0	1.6	5	11/22/17 19:49	
Chlorobenzene	5.0	U	5.0	1.5	5	11/22/17 19:49	
Ethylbenzene	5.0	U	5.0	1.0	5	11/22/17 19:49	
m,p-Xylenes	10	U	10	1.7	5	11/22/17 19:49	
o-Xylene	5.0	U	5.0	1.0	5	11/22/17 19:49	
Styrene	5.0	U	5.0	1.0	5	11/22/17 19:49	
Bromoform	5.0	U	5.0	2.1	5	11/22/17 19:49	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1.3	5	11/22/17 19:49	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 13:20
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-87-22 (1)-171114	**Units:**	ug/L
Lab Code:	R1710829-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	11/22/17 19:49	
Toluene-d8	97	87 - 121	11/22/17 19:49	
Dibromofluoromethane	95	89 - 119	11/22/17 19:49	

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 13:50
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-87-20 (1)-171114	**Units:**	ug/L
Lab Code:	R1710829-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	25	U	25	5.3	25	11/21/17 19:21	
Vinyl Chloride	**760**		25	8.0	25	11/21/17 19:21	
Chloroethane	25	U	25	6.0	25	11/21/17 19:21	
Bromomethane	**9.0**	**J**	25	7.3	25	11/21/17 19:21	
1,1-Dichloroethene	25	U	25	15	25	11/21/17 19:21	
Acetone	130	U	130	31	25	11/21/17 19:21	
Carbon Disulfide	25	U	25	5.5	25	11/21/17 19:21	
Methylene Chloride	25	U	25	15	25	11/21/17 19:21	
trans-1,2-Dichloroethene	**17**	**J**	25	8.3	25	11/21/17 19:21	
1,1-Dichloroethane	**13**	**J**	25	5.0	25	11/21/17 19:21	
cis-1,2-Dichloroethene	**6200**	**D**	50	15	50	11/22/17 20:10	
2-Butanone (MEK)	130	U	130	21	25	11/21/17 19:21	
Chloroform	25	U	25	6.3	25	11/21/17 19:21	
1,1,1-Trichloroethane	**26**		25	9.0	25	11/21/17 19:21	
Carbon Tetrachloride	25	U	25	12	25	11/21/17 19:21	
Benzene	25	U	25	5.0	25	11/21/17 19:21	
1,2-Dichloroethane	25	U	25	9.0	25	11/21/17 19:21	
Trichloroethene	**34**		25	5.5	25	11/21/17 19:21	
1,2-Dichloropropane	25	U	25	5.0	25	11/21/17 19:21	
Bromodichloromethane	25	U	25	8.0	25	11/21/17 19:21	
cis-1,3-Dichloropropene	25	U	25	6.0	25	11/21/17 19:21	
4-Methyl-2-pentanone (MIBK)	130	U	130	17	25	11/21/17 19:21	
Toluene	25	U	25	5.0	25	11/21/17 19:21	
trans-1,3-Dichloropropene	25	U	25	5.0	25	11/21/17 19:21	
1,1,2-Trichloroethane	25	U	25	8.5	25	11/21/17 19:21	
Tetrachloroethene	25	U	25	7.5	25	11/21/17 19:21	
2-Hexanone	130	U	130	42	25	11/21/17 19:21	
Dibromochloromethane	25	U	25	7.8	25	11/21/17 19:21	
Chlorobenzene	25	U	25	7.3	25	11/21/17 19:21	
Ethylbenzene	25	U	25	5.0	25	11/21/17 19:21	
m,p-Xylenes	50	U	50	8.3	25	11/21/17 19:21	
o-Xylene	25	U	25	5.0	25	11/21/17 19:21	
Styrene	25	U	25	5.0	25	11/21/17 19:21	
Bromoform	25	U	25	11	25	11/21/17 19:21	
1,1,2,2-Tetrachloroethane	25	U	25	6.3	25	11/21/17 19:21	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 13:50
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-87-20 (1)-171114	**Units:**	ug/L
Lab Code:	R1710829-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	11/21/17 19:21	
Toluene-d8	102	87 - 121	11/21/17 19:21	
Dibromofluoromethane	96	89 - 119	11/21/17 19:21	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 14:40
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-FB-171114	**Units:**	ug/L
Lab Code:	R1710829-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	**0.32**	**J**	1.0	0.21	1	11/21/17 14:04	
Vinyl Chloride	1.0	U	1.0	0.32	1	11/21/17 14:04	
Chloroethane	1.0	U	1.0	0.24	1	11/21/17 14:04	
Bromomethane	1.0	U	1.0	0.29	1	11/21/17 14:04	
1,1-Dichloroethene	1.0	U	1.0	0.57	1	11/21/17 14:04	
Acetone	**1.3**	**J**	5.0	1.3	1	11/21/17 14:04	
Carbon Disulfide	1.0	U	1.0	0.22	1	11/21/17 14:04	
Methylene Chloride	1.0	U	1.0	0.60	1	11/21/17 14:04	
trans-1,2-Dichloroethene	1.0	U	1.0	0.33	1	11/21/17 14:04	
1,1-Dichloroethane	1.0	U	1.0	0.20	1	11/21/17 14:04	
cis-1,2-Dichloroethene	1.0	U	1.0	0.30	1	11/21/17 14:04	
2-Butanone (MEK)	5.0	U	5.0	0.81	1	11/21/17 14:04	
Chloroform	1.0	U	1.0	0.25	1	11/21/17 14:04	
1,1,1-Trichloroethane	1.0	U	1.0	0.36	1	11/21/17 14:04	
Carbon Tetrachloride	1.0	U	1.0	0.45	1	11/21/17 14:04	
Benzene	1.0	U	1.0	0.20	1	11/21/17 14:04	
1,2-Dichloroethane	1.0	U	1.0	0.36	1	11/21/17 14:04	
Trichloroethene	1.0	U	1.0	0.22	1	11/21/17 14:04	
1,2-Dichloropropane	1.0	U	1.0	0.20	1	11/21/17 14:04	
Bromodichloromethane	1.0	U	1.0	0.32	1	11/21/17 14:04	
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	1	11/21/17 14:04	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.67	1	11/21/17 14:04	
Toluene	**1.5**		1.0	0.20	1	11/21/17 14:04	
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	1	11/21/17 14:04	
1,1,2-Trichloroethane	1.0	U	1.0	0.34	1	11/21/17 14:04	
Tetrachloroethene	1.0	U	1.0	0.30	1	11/21/17 14:04	
2-Hexanone	5.0	U	5.0	1.7	1	11/21/17 14:04	
Dibromochloromethane	1.0	U	1.0	0.31	1	11/21/17 14:04	
Chlorobenzene	1.0	U	1.0	0.29	1	11/21/17 14:04	
Ethylbenzene	1.0	U	1.0	0.20	1	11/21/17 14:04	
m,p-Xylenes	2.0	U	2.0	0.33	1	11/21/17 14:04	
o-Xylene	1.0	U	1.0	0.20	1	11/21/17 14:04	
Styrene	1.0	U	1.0	0.20	1	11/21/17 14:04	
Bromoform	1.0	U	1.0	0.42	1	11/21/17 14:04	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.25	1	11/21/17 14:04	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 14:40
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	BAT-FB-171114	**Units:**	ug/L
Lab Code:	R1710829-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	11/21/17 14:04	
Toluene-d8	98	87 - 121	11/21/17 14:04	
Dibromofluoromethane	93	89 - 119	11/21/17 14:04	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/13/17 15:15
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	TRIP BLANK 1	**Units:**	ug/L
Lab Code:	R1710829-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	**0.32**	**BJ**	1.0	0.21	1	11/20/17 17:19	
Vinyl Chloride	1.0	U	1.0	0.32	1	11/20/17 17:19	
Chloroethane	1.0	U	1.0	0.24	1	11/20/17 17:19	
Bromomethane	**0.57**	**J**	1.0	0.29	1	11/20/17 17:19	
1,1-Dichloroethene	1.0	U	1.0	0.57	1	11/20/17 17:19	
Acetone	5.0	U	5.0	1.3	1	11/20/17 17:19	
Carbon Disulfide	1.0	U	1.0	0.22	1	11/20/17 17:19	
Methylene Chloride	1.0	U	1.0	0.60	1	11/20/17 17:19	
trans-1,2-Dichloroethene	1.0	U	1.0	0.33	1	11/20/17 17:19	
1,1-Dichloroethane	1.0	U	1.0	0.20	1	11/20/17 17:19	
cis-1,2-Dichloroethene	1.0	U	1.0	0.30	1	11/20/17 17:19	
2-Butanone (MEK)	5.0	U	5.0	0.81	1	11/20/17 17:19	
Chloroform	1.0	U	1.0	0.25	1	11/20/17 17:19	
1,1,1-Trichloroethane	1.0	U	1.0	0.36	1	11/20/17 17:19	
Carbon Tetrachloride	1.0	U	1.0	0.45	1	11/20/17 17:19	
Benzene	1.0	U	1.0	0.20	1	11/20/17 17:19	
1,2-Dichloroethane	1.0	U	1.0	0.36	1	11/20/17 17:19	
Trichloroethene	1.0	U	1.0	0.22	1	11/20/17 17:19	
1,2-Dichloropropane	1.0	U	1.0	0.20	1	11/20/17 17:19	
Bromodichloromethane	1.0	U	1.0	0.32	1	11/20/17 17:19	
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	1	11/20/17 17:19	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.67	1	11/20/17 17:19	
Toluene	1.0	U	1.0	0.20	1	11/20/17 17:19	
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	1	11/20/17 17:19	
1,1,2-Trichloroethane	1.0	U	1.0	0.34	1	11/20/17 17:19	
Tetrachloroethene	1.0	U	1.0	0.30	1	11/20/17 17:19	
2-Hexanone	5.0	U	5.0	1.7	1	11/20/17 17:19	
Dibromochloromethane	1.0	U	1.0	0.31	1	11/20/17 17:19	
Chlorobenzene	1.0	U	1.0	0.29	1	11/20/17 17:19	
Ethylbenzene	1.0	U	1.0	0.20	1	11/20/17 17:19	
m,p-Xylenes	2.0	U	2.0	0.33	1	11/20/17 17:19	
o-Xylene	1.0	U	1.0	0.20	1	11/20/17 17:19	
Styrene	1.0	U	1.0	0.20	1	11/20/17 17:19	
Bromoform	1.0	U	1.0	0.42	1	11/20/17 17:19	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.25	1	11/20/17 17:19	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/13/17 15:15
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	TRIP BLANK 1	**Units:**	ug/L
Lab Code:	R1710829-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	11/20/17 17:19	
Toluene-d8	102	87 - 121	11/20/17 17:19	
Dibromofluoromethane	96	89 - 119	11/20/17 17:19	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 08:55
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	TRIP BLANK 2	**Units:**	ug/L
Lab Code:	R1710829-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	**0.44 J**	1.0	0.21	1	11/21/17 14:26	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/21/17 14:26	
Chloroethane	1.0 U	1.0	0.24	1	11/21/17 14:26	
Bromomethane	**0.29 J**	1.0	0.29	1	11/21/17 14:26	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/21/17 14:26	
Acetone	5.0 U	5.0	1.3	1	11/21/17 14:26	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/21/17 14:26	
Methylene Chloride	1.0 U	1.0	0.60	1	11/21/17 14:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/21/17 14:26	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/21/17 14:26	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/21/17 14:26	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/21/17 14:26	
Chloroform	1.0 U	1.0	0.25	1	11/21/17 14:26	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/21/17 14:26	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/21/17 14:26	
Benzene	1.0 U	1.0	0.20	1	11/21/17 14:26	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/21/17 14:26	
Trichloroethene	1.0 U	1.0	0.22	1	11/21/17 14:26	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/21/17 14:26	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/21/17 14:26	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/21/17 14:26	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/21/17 14:26	
Toluene	1.0 U	1.0	0.20	1	11/21/17 14:26	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/21/17 14:26	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/21/17 14:26	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/21/17 14:26	
2-Hexanone	5.0 U	5.0	1.7	1	11/21/17 14:26	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/21/17 14:26	
Chlorobenzene	1.0 U	1.0	0.29	1	11/21/17 14:26	
Ethylbenzene	1.0 U	1.0	0.20	1	11/21/17 14:26	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/21/17 14:26	
o-Xylene	1.0 U	1.0	0.20	1	11/21/17 14:26	
Styrene	1.0 U	1.0	0.20	1	11/21/17 14:26	
Bromoform	1.0 U	1.0	0.42	1	11/21/17 14:26	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/21/17 14:26	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	11/14/17 08:55
Sample Matrix:	Water	**Date Received:**	11/14/17 16:35
Sample Name:	TRIP BLANK 2	**Units:**	ug/L
Lab Code:	R1710829-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	11/21/17 14:26	
Toluene-d8	100	87 - 121	11/21/17 14:26	
Dibromofluoromethane	93	89 - 119	11/21/17 14:26	

QC Summary 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

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
www.alsglobal.com

Client: APTIM, Inc **Service Request:** R1710829

Project: Textron Wheatfield/156045

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Toluene-d8 87 - 121	Dibromofluoromethane 89 - 119
Lab Control Sample	RQ1712233-03	103	101	99
Lab Control Sample	RQ1712218-03	98	100	97
Method Blank	RQ1712218-04	94	101	94
Method Blank	RQ1712233-04	94	100	94
BAT-FB-171114	R1710829-015	90	98	93
Lab Control Sample	RQ1712338-03	91	97	99
TRIP BLANK 2	R1710829-017	95	100	93
BAT-DUP-1-171114	R1710829-010	96	100	94
Method Blank	RQ1712338-04	92	98	97
BAT-DW-10-171114	R1710829-004	95	101	95
TRIP BLANK 1	R1710829-016	95	102	96
BAT-87-17 (1)-171114	R1710829-011	113	101	97
BAT-89-15 (1)-171114	R1710829-005	95	99	95
BAT-87-20 (1)-171114	R1710829-013	95	102	96
BAT-87-22 (1)-171114	R1710829-012	87	97	95
BAT-DW-9-171114	R1710829-008	87	98	96

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712218-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	**0.21 J**	1.0	0.21	1	11/20/17 11:15	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/20/17 11:15	
Chloroethane	1.0 U	1.0	0.24	1	11/20/17 11:15	
Bromomethane	1.0 U	1.0	0.29	1	11/20/17 11:15	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/20/17 11:15	
Acetone	5.0 U	5.0	1.3	1	11/20/17 11:15	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/20/17 11:15	
Methylene Chloride	1.0 U	1.0	0.60	1	11/20/17 11:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/20/17 11:15	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/20/17 11:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/20/17 11:15	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/20/17 11:15	
Chloroform	1.0 U	1.0	0.25	1	11/20/17 11:15	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/20/17 11:15	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/20/17 11:15	
Benzene	1.0 U	1.0	0.20	1	11/20/17 11:15	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/20/17 11:15	
Trichloroethene	1.0 U	1.0	0.22	1	11/20/17 11:15	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/20/17 11:15	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/20/17 11:15	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/20/17 11:15	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/20/17 11:15	
Toluene	1.0 U	1.0	0.20	1	11/20/17 11:15	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/20/17 11:15	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/20/17 11:15	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/20/17 11:15	
2-Hexanone	5.0 U	5.0	1.7	1	11/20/17 11:15	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/20/17 11:15	
Chlorobenzene	1.0 U	1.0	0.29	1	11/20/17 11:15	
Ethylbenzene	1.0 U	1.0	0.20	1	11/20/17 11:15	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/20/17 11:15	
o-Xylene	1.0 U	1.0	0.20	1	11/20/17 11:15	
Styrene	1.0 U	1.0	0.20	1	11/20/17 11:15	
Bromoform	1.0 U	1.0	0.42	1	11/20/17 11:15	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/20/17 11:15	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712218-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	11/20/17 11:15	
Toluene-d8	101	87 - 121	11/20/17 11:15	
Dibromofluoromethane	94	89 - 119	11/20/17 11:15	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712233-04	**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	11/21/17 11:16	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/21/17 11:16	
Chloroethane	1.0 U	1.0	0.24	1	11/21/17 11:16	
Bromomethane	1.0 U	1.0	0.29	1	11/21/17 11:16	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/21/17 11:16	
Acetone	5.0 U	5.0	1.3	1	11/21/17 11:16	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/21/17 11:16	
Methylene Chloride	1.0 U	1.0	0.60	1	11/21/17 11:16	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/21/17 11:16	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/21/17 11:16	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/21/17 11:16	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/21/17 11:16	
Chloroform	1.0 U	1.0	0.25	1	11/21/17 11:16	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/21/17 11:16	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/21/17 11:16	
Benzene	1.0 U	1.0	0.20	1	11/21/17 11:16	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/21/17 11:16	
Trichloroethene	1.0 U	1.0	0.22	1	11/21/17 11:16	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/21/17 11:16	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/21/17 11:16	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/21/17 11:16	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/21/17 11:16	
Toluene	1.0 U	1.0	0.20	1	11/21/17 11:16	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/21/17 11:16	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/21/17 11:16	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/21/17 11:16	
2-Hexanone	5.0 U	5.0	1.7	1	11/21/17 11:16	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/21/17 11:16	
Chlorobenzene	1.0 U	1.0	0.29	1	11/21/17 11:16	
Ethylbenzene	1.0 U	1.0	0.20	1	11/21/17 11:16	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/21/17 11:16	
o-Xylene	1.0 U	1.0	0.20	1	11/21/17 11:16	
Styrene	1.0 U	1.0	0.20	1	11/21/17 11:16	
Bromoform	1.0 U	1.0	0.42	1	11/21/17 11:16	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/21/17 11:16	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712233-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	11/21/17 11:16	
Toluene-d8	100	87 - 121	11/21/17 11:16	
Dibromofluoromethane	94	89 - 119	11/21/17 11:16	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712338-04	**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	11/22/17 15:06	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/22/17 15:06	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 15:06	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 15:06	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 15:06	
Acetone	5.0 U	5.0	1.3	1	11/22/17 15:06	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 15:06	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 15:06	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/22/17 15:06	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/22/17 15:06	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/22/17 15:06	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 15:06	
Chloroform	1.0 U	1.0	0.25	1	11/22/17 15:06	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/22/17 15:06	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 15:06	
Benzene	1.0 U	1.0	0.20	1	11/22/17 15:06	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 15:06	
Trichloroethene	1.0 U	1.0	0.22	1	11/22/17 15:06	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 15:06	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 15:06	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 15:06	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 15:06	
Toluene	1.0 U	1.0	0.20	1	11/22/17 15:06	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 15:06	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 15:06	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 15:06	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 15:06	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 15:06	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 15:06	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 15:06	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 15:06	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 15:06	
Styrene	1.0 U	1.0	0.20	1	11/22/17 15:06	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 15:06	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 15:06	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710829
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712338-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	11/22/17 15:06	
Toluene-d8	98	87 - 121	11/22/17 15:06	
Dibromofluoromethane	97	89 - 119	11/22/17 15:06	

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1710829
Date Analyzed: 11/20/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712218-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	22.6	20.0	113	69-145
Vinyl Chloride	8260C	23.2	20.0	116	69-133
Chloroethane	8260C	22.9	20.0	114	70-127
Bromomethane	8260C	21.4	20.0	107	42-166
1,1-Dichloroethene	8260C	20.0	20.0	100	74-135
Acetone	8260C	23.6	20.0	118	40-161
Carbon Disulfide	8260C	19.3	20.0	96	65-127
Methylene Chloride	8260C	20.4	20.0	102	73-122
trans-1,2-Dichloroethene	8260C	21.0	20.0	105	80-120
1,1-Dichloroethane	8260C	21.8	20.0	109	78-117
cis-1,2-Dichloroethene	8260C	20.5	20.0	103	80-121
2-Butanone (MEK)	8260C	23.0	20.0	115	61-137
Chloroform	8260C	21.1	20.0	105	76-120
1,1,1-Trichloroethane	8260C	18.7	20.0	94	74-120
Carbon Tetrachloride	8260C	17.4	20.0	87	68-125
Benzene	8260C	20.8	20.0	104	76-118
1,2-Dichloroethane	8260C	20.8	20.0	104	71-127
Trichloroethene	8260C	18.9	20.0	94	78-123
1,2-Dichloropropane	8260C	20.7	20.0	103	80-119
Bromodichloromethane	8260C	18.6	20.0	93	78-126
cis-1,3-Dichloropropene	8260C	18.1	20.0	90	74-126
4-Methyl-2-pentanone (MIBK)	8260C	19.2	20.0	96	66-124
Toluene	8260C	19.9	20.0	99	77-120
trans-1,3-Dichloropropene	8260C	17.3	20.0	87	67-135
1,1,2-Trichloroethane	8260C	19.5	20.0	97	82-118
Tetrachloroethene	8260C	19.5	20.0	98	78-124
2-Hexanone	8260C	18.8	20.0	94	63-124
Dibromochloromethane	8260C	17.0	20.0	85	77-128
Chlorobenzene	8260C	20.2	20.0	101	80-121
Ethylbenzene	8260C	19.6	20.0	98	76-120
m,p-Xylenes	8260C	39.3	40.0	98	78-123
o-Xylene	8260C	19.8	20.0	99	80-120
Styrene	8260C	19.3	20.0	96	80-124

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1710829
Date Analyzed: 11/20/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712218-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	15.0	20.0	75	71-136
1,1,2,2-Tetrachloroethane	8260C	20.7	20.0	104	78-122

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1710829
Date Analyzed: 11/21/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712233-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	21.9	20.0	109	69-145
Vinyl Chloride	8260C	22.9	20.0	114	69-133
Chloroethane	8260C	25.0	20.0	125	70-127
Bromomethane	8260C	21.2	20.0	106	42-166
1,1-Dichloroethene	8260C	20.5	20.0	103	74-135
Acetone	8260C	26.2	20.0	131	40-161
Carbon Disulfide	8260C	19.1	20.0	96	65-127
Methylene Chloride	8260C	21.2	20.0	106	73-122
trans-1,2-Dichloroethene	8260C	20.6	20.0	103	80-120
1,1-Dichloroethane	8260C	21.7	20.0	109	78-117
cis-1,2-Dichloroethene	8260C	20.6	20.0	103	80-121
2-Butanone (MEK)	8260C	23.7	20.0	119	61-137
Chloroform	8260C	21.1	20.0	105	76-120
1,1,1-Trichloroethane	8260C	19.1	20.0	95	74-120
Carbon Tetrachloride	8260C	16.8	20.0	84	68-125
Benzene	8260C	21.1	20.0	105	76-118
1,2-Dichloroethane	8260C	21.0	20.0	105	71-127
Trichloroethene	8260C	19.5	20.0	98	78-123
1,2-Dichloropropane	8260C	21.1	20.0	105	80-119
Bromodichloromethane	8260C	19.0	20.0	95	78-126
cis-1,3-Dichloropropene	8260C	18.3	20.0	92	74-126
4-Methyl-2-pentanone (MIBK)	8260C	19.7	20.0	99	66-124
Toluene	8260C	20.2	20.0	101	77-120
trans-1,3-Dichloropropene	8260C	17.5	20.0	88	67-135
1,1,2-Trichloroethane	8260C	20.0	20.0	100	82-118
Tetrachloroethene	8260C	19.2	20.0	96	78-124
2-Hexanone	8260C	19.8	20.0	99	63-124
Dibromochloromethane	8260C	16.6	20.0	83	77-128
Chlorobenzene	8260C	20.4	20.0	102	80-121
Ethylbenzene	8260C	19.4	20.0	97	76-120
m,p-Xylenes	8260C	38.4	40.0	96	78-123
o-Xylene	8260C	19.4	20.0	97	80-120
Styrene	8260C	19.4	20.0	97	80-124

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1710829
Date Analyzed: 11/21/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712233-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	15.7	20.0	78	71-136
1,1,2,2-Tetrachloroethane	8260C	22.0	20.0	110	78-122

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1710829
Date Analyzed: 11/22/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712338-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	20.4	20.0	102	69-145
Vinyl Chloride	8260C	21.8	20.0	109	69-133
Chloroethane	8260C	21.6	20.0	108	70-127
Bromomethane	8260C	21.0	20.0	105	42-166
1,1-Dichloroethene	8260C	20.5	20.0	103	74-135
Acetone	8260C	20.0	20.0	100	40-161
Carbon Disulfide	8260C	18.6	20.0	93	65-127
Methylene Chloride	8260C	20.3	20.0	101	73-122
trans-1,2-Dichloroethene	8260C	19.5	20.0	97	80-120
1,1-Dichloroethane	8260C	18.9	20.0	94	78-117
cis-1,2-Dichloroethene	8260C	19.3	20.0	96	80-121
2-Butanone (MEK)	8260C	18.7	20.0	93	61-137
Chloroform	8260C	18.4	20.0	92	76-120
1,1,1-Trichloroethane	8260C	16.8	20.0	84	74-120
Carbon Tetrachloride	8260C	18.2	20.0	91	68-125
Benzene	8260C	20.9	20.0	105	76-118
1,2-Dichloroethane	8260C	18.4	20.0	92	71-127
Trichloroethene	8260C	20.1	20.0	100	78-123
1,2-Dichloropropane	8260C	19.2	20.0	96	80-119
Bromodichloromethane	8260C	18.6	20.0	93	78-126
cis-1,3-Dichloropropene	8260C	17.0	20.0	85	74-126
4-Methyl-2-pentanone (MIBK)	8260C	17.1	20.0	86	66-124
Toluene	8260C	19.9	20.0	99	77-120
trans-1,3-Dichloropropene	8260C	15.9	20.0	80	67-135
1,1,2-Trichloroethane	8260C	18.7	20.0	93	82-118
Tetrachloroethene	8260C	21.5	20.0	107	78-124
2-Hexanone	8260C	17.3	20.0	87	63-124
Dibromochloromethane	8260C	18.7	20.0	94	77-128
Chlorobenzene	8260C	21.0	20.0	105	80-121
Ethylbenzene	8260C	20.4	20.0	102	76-120
m,p-Xylenes	8260C	41.0	40.0	103	78-123
o-Xylene	8260C	20.0	20.0	100	80-120
Styrene	8260C	19.6	20.0	98	80-124

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1710829
Date Analyzed: 11/22/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712338-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	16.9	20.0	85	71-136
1,1,2,2-Tetrachloroethane	8260C	19.5	20.0	97	78-122

December 07, 2017 Service Request No:R1710944A

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 November 16, 2017
For your reference, these analyses have been assigned our service request number **R1710944A.**

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

1565 Jefferson Rd, Building 300, Rochester, NY 14623 | 585-288-5380 | www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield/Bioremediation Groundwaters
Sample Matrix: Water

Service Request:R1710944
Date Received:11/16/17

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

Water samples were received for analysis at ALS Environmental on 11/16/2017. 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.

Volatile Organic Analyses:

Method 8260, 11/22/17, 11/27/17: 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.

Method 8260, 11/27/17: 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.

Approved by _____ Date 12/7/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-8-171114	Lab ID: R1710944-001					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	22		0.32	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.63	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	2.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	74		0.30	1.0	ug/L	8260C
Chloroform	1.1		0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	3.1		0.36	1.0	ug/L	8260C
Trichloroethene	1.8		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-2-171115	Lab ID: R1710944-002					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	1.9		0.32	1.0	ug/L	8260C
Carbon Disulfide	0.23	J	0.22	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.0		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	2.5		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	6.4		0.30	1.0	ug/L	8260C
Chloroform	1.3		0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	3.4		0.36	1.0	ug/L	8260C
Trichloroethene	2.7		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-3-171115	Lab ID: R1710944-003					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	1000		3.2	10	ug/L	8260C
trans-1,2-Dichloroethene	12		3.3	10	ug/L	8260C
1,1-Dichloroethane	14		2.0	10	ug/L	8260C
cis-1,2-Dichloroethene	1600		3.0	10	ug/L	8260C
Chloroform	3.4	J	2.5	10	ug/L	8260C
1,1,1-Trichloroethane	16		3.6	10	ug/L	8260C
Trichloroethene	5.1	J	2.2	10	ug/L	8260C

CLIENT ID: BAT-EW-4-171115	Lab ID: R1710944-004					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	36		0.32	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.88	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	1.0		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	32		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.81	J	0.36	1.0	ug/L	8260C
Trichloroethene	0.42	J	0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-5-171115	Lab ID: R1710944-005					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	150		0.32	1.0	ug/L	8260C
1,1-Dichloroethene	0.74	J	0.57	1.0	ug/L	8260C
Carbon Disulfide	0.41	J	0.22	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-5-171115	Lab ID: R1710944-005					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
trans-1,2-Dichloroethene	1.7		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	2.5		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	220	D	0.60	2.0	ug/L	8260C
1,1,1-Trichloroethane	2.9		0.36	1.0	ug/L	8260C
Trichloroethene	1.5		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-6-171115	Lab ID: R1710944-006					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	10		0.32	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.8		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	2.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	170		0.30	1.0	ug/L	8260C
Chloroform	0.64	J	0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	3.3		0.36	1.0	ug/L	8260C
Trichloroethene	2.4		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-93-03(1)-171115	Lab ID: R1710944-007					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Carbon Disulfide	0.30	J	0.22	1.0	ug/L	8260C

CLIENT ID: BAT-87-21(1)-171115	Lab ID: R1710944-008					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
trans-1,2-Dichloroethene	0.54	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	2.0		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	7.6		0.30	1.0	ug/L	8260C
Chloroform	1.1		0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	2.8		0.36	1.0	ug/L	8260C
Trichloroethene	3.1		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-87-19(1)-171115	Lab ID: R1710944-009					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	1.9		0.32	1.0	ug/L	8260C
cis-1,2-Dichloroethene	5.3		0.30	1.0	ug/L	8260C

CLIENT ID: BAT-DUP-2-171115	Lab ID: R1710944-011					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Chloromethane	0.29	J	0.21	1.0	ug/L	8260C
Vinyl Chloride	0.34	J	0.32	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.57	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	1.7		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	7.5		0.30	1.0	ug/L	8260C
Chloroform	1.4		0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	2.8		0.36	1.0	ug/L	8260C
Trichloroethene	3.6		0.22	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-DUP-2-171115	Lab ID: R1710944-011					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**

CLIENT ID: BAT-89-14(1)-171115	Lab ID: R1710944-013					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	290		0.64	2.0	ug/L	8260C
Acetone	4.4	J	2.5	10	ug/L	8260C
trans-1,2-Dichloroethene	1.7	J	0.66	2.0	ug/L	8260C
1,1-Dichloroethane	17		0.40	2.0	ug/L	8260C
cis-1,2-Dichloroethene	65		0.60	2.0	ug/L	8260C
1,1,1-Trichloroethane	2.2		0.72	2.0	ug/L	8260C
Trichloroethene	1.8	J	0.44	2.0	ug/L	8260C

CLIENT ID: BAT-EW-7-171115	Lab ID: R1710944-014					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	35		0.32	1.0	ug/L	8260C
trans-1,2-Dichloroethene	0.36	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	4.4		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	20		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	5.0		0.36	1.0	ug/L	8260C
Trichloroethene	0.94	J	0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-13-171115	Lab ID: R1710944-015					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	160		0.32	1.0	ug/L	8260C
1,1-Dichloroethene	0.94	J	0.57	1.0	ug/L	8260C
Carbon Disulfide	0.37	BJ	0.22	1.0	ug/L	8260C
Methylene Chloride	1.6		0.60	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.4		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	8.4		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	160		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	25		0.36	1.0	ug/L	8260C
Trichloroethene	1.2		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-87-14(0)-171116	Lab ID: R1710944-019					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Trichloroethene	62		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-FB-2-171116	Lab ID: R1710944-020					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Acetone	1.4	J	1.3	5.0	ug/L	8260C
Toluene	1.2		0.20	1.0	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 **Service Request:**R1710944

Project: Textron Wheatfield/Bioremediation Groundwaters

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1710944-001	BAT-EW-8-171114	11/14/2017	1510
R1710944-002	BAT-EW-2-171115	11/15/2017	0850
R1710944-003	BAT-EW-3-171115	11/15/2017	0910
R1710944-004	BAT-EW-4-171115	11/15/2017	0930
R1710944-005	BAT-EW-5-171115	11/15/2017	0950
R1710944-006	BAT-EW-6-171115	11/15/2017	1015
R1710944-007	BAT-93-03(1)-171115	11/15/2017	1055
R1710944-008	BAT-87-21(1)-171115	11/15/2017	1135
R1710944-009	BAT-87-19(1)-171115	11/15/2017	1155
R1710944-011	BAT-DUP-2-171115	11/15/2017	
R1710944-012	BAT-87-20(0)-171115	11/15/2017	1320
R1710944-013	BAT-89-14(1)-171115	11/15/2017	1345
R1710944-014	BAT-EW-7-171115	11/15/2017	1420
R1710944-015	BAT-EW-13-171115	11/15/2017	1445
R1710944-019	BAT-87-14(0)-171116	11/15/2017	1535
R1710944-020	BAT-FB-2-171116	11/16/2017	0930
		11/16/2017	0920
		11/16/2017	1005

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

48376

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: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM, INC 13 BRITISH AMERICAN BLVD, LATHAM, NY 12110	
Phone #: 518 783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature:	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1/6

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP	GC/MS SVOAs ◦ 8270 ◦ 625	GC VOAs ◦ 8021 ◦ 601/602	PESTICIDES ◦ 8081 ◦ 608	PCBs ◦ 8082 ◦ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)
BAT-EW-0-171114		11/14/17	1510	GW	3	X						
BAT-EW-2-171115		11/15/17	0850		3	X						
BAT-EW-3-171115			0910		3	X						
BAT-EW-4-171115			0930		3	X						
BAT-EW-5-171115			0950		3	X						
BAT-EW-6-171115			1015		3	X						
BAT-93-03(1)-171115			1055		6	X						
BAT-93-03(1)-171115MS/MSD			1055		6	X						
BAT-87-21(1)-171115			1135		3	X						
BAT-87-19(1)-171115			1155		3	X						
BAT-DUP-2-171115			—		3	X						

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

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:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: KEVIN CRONIN	Printed Name: BRIAN LUSA	Printed Name	Printed Name: Gary Cole	Printed Name	
Firm: APTIM	Firm: ALS	Firm	Firm: ALS	Firm	
Date/Time: 11/16/17	Date/Time: 11/16/17	Date/Time	Date/Time: 11/16/17 1235	Date/Time	

R1710944 5
APTIM, Inc
Textron Wheatfield

Distribution: White - Lab Copy; Yellow - Return to Originator

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 48377

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Project Name: TEXTRON ANNUAL	Project Number: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM INC 13 BRITISH AMERICAN BLVD LATHAM, NY 12110	
Phone #: 518-783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature:	Sampler's Printed Name:

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP	GC/MS SVOAs ◦ 8270 ◦ 625	GC VOAs ◦ 8021 ◦ 601/602	PESTICIDES ◦ 8081 ◦ 608	PCBs ◦ 8082 ◦ 608	METALS, TOTAL (List in comments below)	METALS DISSOLVED (List in comments below)	G24 VOA	605 RCRA Low Level	METALS, Hg	RADIOACTIVITY	FLASH POINT	pH	REMARKS/ ALTERNATE DESCRIPTION
							8							1	1	1	2	1	1	
BAT-87-20(0)-171115		11/15/17	1320	GW	3		X													
BAT-89-14(1)-171115			1345		3		X													
BAT-EW-7-171115			1420		3		X													
BAT-EW-13-171115			1445		3		X													
BAT-17-65(1)-171115			1535		3		X													
BAT-17-04(1)-171115			1600		3		X													
BAT-87-11(1)-171116		11/16/17	0920		3		X													
BAT-87-14(0)-171116			0940		3		X													
BAT-FB-2-171116			1005		3		X													
TEXTRON DUPLICATE WATER		11/16/17	1015		11									X	X	X	X	X	X	

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
STANDARD
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
X 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
Signature:	Signature:	Signature:	Signature:	Signature:	
Printed Name: KEVIN CRONIN	Printed Name:	Printed Name:	Printed Name:	Printed Name:	
Firm: APTIM	Firm: ALS	Firm:	Firm: ALS	Firm:	
Date/Time: 11/16/17	Date/Time: 11/16/17	Date/Time:	Date/Time: 11/16/17 1235	Date/Time:	

R1710944 5
APTIM, Inc
Textron Wheatfield

Distribution: White - Lab Copy; Yellow - Return to Originator

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Cooler Receipt and Preservation Check Form

R1710944 5
APTIM, Inc
Textron Wheatfield

Project/Client APT/TW Folder Number

Cooler received on 11/16/17 by: C

COURIER: (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: (Wet Ice) 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?	(ALS/ROC) CLIENT
7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 11/16/17 Time: 1344 ID: IR#7 (IR#9) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	1.7	0.9					
Correction Factor (°C)	+0.6	+0.6					
Corrected Temp (°C)	2.3	1.5					
Temp from:Type of bottle	Comp bottle	Cont bottle					
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: Rack by C on 11/16/17 at 1246
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/17/17 Time: 9:30 by: TS

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	(N/A)	
	Canisters Pressurized	(N/A)	
	Tedlar® Bags Inflated		

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	201517	HNO_3	X		3003261346	6/18				
≤2		H_2SO_4								
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: G 711017-2AAV G92117-1114, 100217-1DX, 7-241-COC

Explain all Discrepancies/ Other Comments:

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

Labels secondary reviewed by: _____
PC Secondary Review: _____

*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.

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/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

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.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).

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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Accredited	Nebraska Accredited	
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

[1] Analyses were performed according to our laboratoryôs 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 http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

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.

Client: APTIM, Inc **Service Request:** R1710944
Project: Textron Wheatfield/Bioremediation Groundwaters

Sample Name: BAT-EW-8-171114 **Date Collected:** 11/14/17
Lab Code: R1710944-001 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-EW-2-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-002 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-EW-3-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-003 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-EW-4-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-004 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-EW-5-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-005 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: APTIM, Inc **Service Request:** R1710944
Project: Textron Wheatfield/Bioremediation Groundwaters

Sample Name: BAT-EW-6-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-006 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-93-03(1)-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-007 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-87-21(1)-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-008 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-87-19(1)-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-009 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-DUP-2-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-011 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: APTIM, Inc **Service Request:** R1710944
Project: Textron Wheatfield/Bioremediation Groundwaters

Sample Name: BAT-87-20(0)-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-012 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-89-14(1)-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-013 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-EW-7-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-014 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-EW-13-171115 **Date Collected:** 11/15/17
Lab Code: R1710944-015 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BAT-87-14(0)-171116 **Date Collected:** 11/16/17
Lab Code: R1710944-019 **Date Received:** 11/16/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters		

Sample Name:	BAT-FB-2-171116	**Date Collected:**	11/16/17
Lab Code:	R1710944-020	**Date Received:**	11/16/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

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
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www.alsglobal.com

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
www.alsglobal.com

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/14/17 15:10
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-8-171114	**Units:**	ug/L
Lab Code:	R1710944-001	**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	0.21	1	11/22/17 18:39	
Vinyl Chloride	**22**	1.0	0.32	1	11/22/17 18:39	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 18:39	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 18:39	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 18:39	
Acetone	5.0 U	5.0	1.3	1	11/22/17 18:39	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 18:39	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 18:39	
trans-1,2-Dichloroethene	**0.63 J**	1.0	0.33	1	11/22/17 18:39	
1,1-Dichloroethane	**2.1**	1.0	0.20	1	11/22/17 18:39	
cis-1,2-Dichloroethene	**74**	1.0	0.30	1	11/22/17 18:39	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 18:39	
Chloroform	**1.1**	1.0	0.25	1	11/22/17 18:39	
1,1,1-Trichloroethane	**3.1**	1.0	0.36	1	11/22/17 18:39	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 18:39	
Benzene	1.0 U	1.0	0.20	1	11/22/17 18:39	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 18:39	
Trichloroethene	**1.8**	1.0	0.22	1	11/22/17 18:39	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 18:39	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 18:39	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 18:39	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 18:39	
Toluene	1.0 U	1.0	0.20	1	11/22/17 18:39	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 18:39	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 18:39	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 18:39	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 18:39	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 18:39	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 18:39	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 18:39	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 18:39	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 18:39	
Styrene	1.0 U	1.0	0.20	1	11/22/17 18:39	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 18:39	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 18:39	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/14/17 15:10
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-8-171114	**Units:**	ug/L
Lab Code:	R1710944-001	**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	11/22/17 18:39	
Toluene-d8	94	87 - 121	11/22/17 18:39	
Dibromofluoromethane	96	89 - 119	11/22/17 18:39	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 08:50
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-2-171115	**Units:**	ug/L
Lab Code:	R1710944-002	**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	0.21	1	11/22/17 13:34	
Vinyl Chloride	**1.9**	1.0	0.32	1	11/22/17 13:34	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 13:34	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 13:34	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 13:34	
Acetone	5.0 U	5.0	1.3	1	11/22/17 13:34	
Carbon Disulfide	**0.23 J**	1.0	0.22	1	11/22/17 13:34	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 13:34	
trans-1,2-Dichloroethene	**1.0**	1.0	0.33	1	11/22/17 13:34	
1,1-Dichloroethane	**2.5**	1.0	0.20	1	11/22/17 13:34	
cis-1,2-Dichloroethene	**6.4**	1.0	0.30	1	11/22/17 13:34	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 13:34	
Chloroform	**1.3**	1.0	0.25	1	11/22/17 13:34	
1,1,1-Trichloroethane	**3.4**	1.0	0.36	1	11/22/17 13:34	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 13:34	
Benzene	1.0 U	1.0	0.20	1	11/22/17 13:34	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 13:34	
Trichloroethene	**2.7**	1.0	0.22	1	11/22/17 13:34	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 13:34	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 13:34	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 13:34	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 13:34	
Toluene	1.0 U	1.0	0.20	1	11/22/17 13:34	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 13:34	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 13:34	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 13:34	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 13:34	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 13:34	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 13:34	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 13:34	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 13:34	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 13:34	
Styrene	1.0 U	1.0	0.20	1	11/22/17 13:34	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 13:34	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 13:34	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 08:50
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-2-171115	**Units:**	ug/L
Lab Code:	R1710944-002	**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	92	85 - 122	11/22/17 13:34	
Toluene-d8	94	87 - 121	11/22/17 13:34	
Dibromofluoromethane	99	89 - 119	11/22/17 13:34	

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 09:10
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-3-171115	**Units:**	ug/L
Lab Code:	R1710944-003	**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	2.1	10	11/22/17 16:50	
Vinyl Chloride	**1000**		10	3.2	10	11/22/17 16:50	
Chloroethane	10	U	10	2.4	10	11/22/17 16:50	
Bromomethane	10	U	10	2.9	10	11/22/17 16:50	
1,1-Dichloroethene	10	U	10	5.7	10	11/22/17 16:50	
Acetone	50	U	50	13	10	11/22/17 16:50	
Carbon Disulfide	10	U	10	2.2	10	11/22/17 16:50	
Methylene Chloride	10	U	10	6.0	10	11/22/17 16:50	
trans-1,2-Dichloroethene	**12**		10	3.3	10	11/22/17 16:50	
1,1-Dichloroethane	**14**		10	2.0	10	11/22/17 16:50	
cis-1,2-Dichloroethene	**1600**		10	3.0	10	11/22/17 16:50	
2-Butanone (MEK)	50	U	50	8.1	10	11/22/17 16:50	
Chloroform	**3.4**	**J**	10	2.5	10	11/22/17 16:50	
1,1,1-Trichloroethane	**16**		10	3.6	10	11/22/17 16:50	
Carbon Tetrachloride	10	U	10	4.5	10	11/22/17 16:50	
Benzene	10	U	10	2.0	10	11/22/17 16:50	
1,2-Dichloroethane	10	U	10	3.6	10	11/22/17 16:50	
Trichloroethene	**5.1**	**J**	10	2.2	10	11/22/17 16:50	
1,2-Dichloropropane	10	U	10	2.0	10	11/22/17 16:50	
Bromodichloromethane	10	U	10	3.2	10	11/22/17 16:50	
cis-1,3-Dichloropropene	10	U	10	2.4	10	11/22/17 16:50	
4-Methyl-2-pentanone (MIBK)	50	U	50	6.7	10	11/22/17 16:50	
Toluene	10	U	10	2.0	10	11/22/17 16:50	
trans-1,3-Dichloropropene	10	U	10	2.0	10	11/22/17 16:50	
1,1,2-Trichloroethane	10	U	10	3.4	10	11/22/17 16:50	
Tetrachloroethene	10	U	10	3.0	10	11/22/17 16:50	
2-Hexanone	50	U	50	17	10	11/22/17 16:50	
Dibromochloromethane	10	U	10	3.1	10	11/22/17 16:50	
Chlorobenzene	10	U	10	2.9	10	11/22/17 16:50	
Ethylbenzene	10	U	10	2.0	10	11/22/17 16:50	
m,p-Xylenes	20	U	20	3.3	10	11/22/17 16:50	
o-Xylene	10	U	10	2.0	10	11/22/17 16:50	
Styrene	10	U	10	2.0	10	11/22/17 16:50	
Bromoform	10	U	10	4.2	10	11/22/17 16:50	
1,1,2,2-Tetrachloroethane	10	U	10	2.5	10	11/22/17 16:50	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 09:10
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-3-171115	**Units:**	ug/L
Lab Code:	R1710944-003	**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	91	85 - 122	11/22/17 16:50	
Toluene-d8	96	87 - 121	11/22/17 16:50	
Dibromofluoromethane	97	89 - 119	11/22/17 16:50	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 09:30
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-4-171115	**Units:**	ug/L
Lab Code:	R1710944-004	**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	0.21	1	11/22/17 13:56	
Vinyl Chloride	**36**	1.0	0.32	1	11/22/17 13:56	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 13:56	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 13:56	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 13:56	
Acetone	5.0 U	5.0	1.3	1	11/22/17 13:56	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 13:56	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 13:56	
trans-1,2-Dichloroethene	**0.88 J**	1.0	0.33	1	11/22/17 13:56	
1,1-Dichloroethane	**1.0**	1.0	0.20	1	11/22/17 13:56	
cis-1,2-Dichloroethene	**32**	1.0	0.30	1	11/22/17 13:56	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 13:56	
Chloroform	1.0 U	1.0	0.25	1	11/22/17 13:56	
1,1,1-Trichloroethane	**0.81 J**	1.0	0.36	1	11/22/17 13:56	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 13:56	
Benzene	1.0 U	1.0	0.20	1	11/22/17 13:56	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 13:56	
Trichloroethene	**0.42 J**	1.0	0.22	1	11/22/17 13:56	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 13:56	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 13:56	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 13:56	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 13:56	
Toluene	1.0 U	1.0	0.20	1	11/22/17 13:56	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 13:56	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 13:56	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 13:56	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 13:56	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 13:56	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 13:56	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 13:56	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 13:56	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 13:56	
Styrene	1.0 U	1.0	0.20	1	11/22/17 13:56	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 13:56	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 13:56	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 09:30
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-4-171115	**Units:**	ug/L
Lab Code:	R1710944-004	**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	92	85 - 122	11/22/17 13:56	
Toluene-d8	91	87 - 121	11/22/17 13:56	
Dibromofluoromethane	95	89 - 119	11/22/17 13:56	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 09:50
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-5-171115	**Units:**	ug/L
Lab Code:	R1710944-005	**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	0.21	1	11/22/17 14:18	
Vinyl Chloride	**150**		1.0	0.32	1	11/22/17 14:18	
Chloroethane	1.0	U	1.0	0.24	1	11/22/17 14:18	
Bromomethane	1.0	U	1.0	0.29	1	11/22/17 14:18	
1,1-Dichloroethene	**0.74**	**J**	1.0	0.57	1	11/22/17 14:18	
Acetone	5.0	U	5.0	1.3	1	11/22/17 14:18	
Carbon Disulfide	**0.41**	**J**	1.0	0.22	1	11/22/17 14:18	
Methylene Chloride	1.0	U	1.0	0.60	1	11/22/17 14:18	
trans-1,2-Dichloroethene	**1.7**		1.0	0.33	1	11/22/17 14:18	
1,1-Dichloroethane	**2.5**		1.0	0.20	1	11/22/17 14:18	
cis-1,2-Dichloroethene	**220**	**D**	2.0	0.60	2	11/27/17 13:55	
2-Butanone (MEK)	5.0	U	5.0	0.81	1	11/22/17 14:18	
Chloroform	1.0	U	1.0	0.25	1	11/22/17 14:18	
1,1,1-Trichloroethane	**2.9**		1.0	0.36	1	11/22/17 14:18	
Carbon Tetrachloride	1.0	U	1.0	0.45	1	11/22/17 14:18	
Benzene	1.0	U	1.0	0.20	1	11/22/17 14:18	
1,2-Dichloroethane	1.0	U	1.0	0.36	1	11/22/17 14:18	
Trichloroethene	**1.5**		1.0	0.22	1	11/22/17 14:18	
1,2-Dichloropropane	1.0	U	1.0	0.20	1	11/22/17 14:18	
Bromodichloromethane	1.0	U	1.0	0.32	1	11/22/17 14:18	
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	1	11/22/17 14:18	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.67	1	11/22/17 14:18	
Toluene	1.0	U	1.0	0.20	1	11/22/17 14:18	
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	1	11/22/17 14:18	
1,1,2-Trichloroethane	1.0	U	1.0	0.34	1	11/22/17 14:18	
Tetrachloroethene	1.0	U	1.0	0.30	1	11/22/17 14:18	
2-Hexanone	5.0	U	5.0	1.7	1	11/22/17 14:18	
Dibromochloromethane	1.0	U	1.0	0.31	1	11/22/17 14:18	
Chlorobenzene	1.0	U	1.0	0.29	1	11/22/17 14:18	
Ethylbenzene	1.0	U	1.0	0.20	1	11/22/17 14:18	
m,p-Xylenes	2.0	U	2.0	0.33	1	11/22/17 14:18	
o-Xylene	1.0	U	1.0	0.20	1	11/22/17 14:18	
Styrene	1.0	U	1.0	0.20	1	11/22/17 14:18	
Bromoform	1.0	U	1.0	0.42	1	11/22/17 14:18	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.25	1	11/22/17 14:18	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 09:50
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-5-171115	**Units:**	ug/L
Lab Code:	R1710944-005	**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	91	85 - 122	11/22/17 14:18	
Toluene-d8	92	87 - 121	11/22/17 14:18	
Dibromofluoromethane	99	89 - 119	11/22/17 14:18	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 10:15
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-6-171115	**Units:**	ug/L
Lab Code:	R1710944-006	**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	0.21	1	11/22/17 14:39	
Vinyl Chloride	**10**		1.0	0.32	1	11/22/17 14:39	
Chloroethane	1.0	U	1.0	0.24	1	11/22/17 14:39	
Bromomethane	1.0	U	1.0	0.29	1	11/22/17 14:39	
1,1-Dichloroethene	1.0	U	1.0	0.57	1	11/22/17 14:39	
Acetone	5.0	U	5.0	1.3	1	11/22/17 14:39	
Carbon Disulfide	1.0	U	1.0	0.22	1	11/22/17 14:39	
Methylene Chloride	1.0	U	1.0	0.60	1	11/22/17 14:39	
trans-1,2-Dichloroethene	**1.8**		1.0	0.33	1	11/22/17 14:39	
1,1-Dichloroethane	**2.9**		1.0	0.20	1	11/22/17 14:39	
cis-1,2-Dichloroethene	**170**		1.0	0.30	1	11/22/17 14:39	
2-Butanone (MEK)	5.0	U	5.0	0.81	1	11/22/17 14:39	
Chloroform	**0.64**	**J**	1.0	0.25	1	11/22/17 14:39	
1,1,1-Trichloroethane	**3.3**		1.0	0.36	1	11/22/17 14:39	
Carbon Tetrachloride	1.0	U	1.0	0.45	1	11/22/17 14:39	
Benzene	1.0	U	1.0	0.20	1	11/22/17 14:39	
1,2-Dichloroethane	1.0	U	1.0	0.36	1	11/22/17 14:39	
Trichloroethene	**2.4**		1.0	0.22	1	11/22/17 14:39	
1,2-Dichloropropane	1.0	U	1.0	0.20	1	11/22/17 14:39	
Bromodichloromethane	1.0	U	1.0	0.32	1	11/22/17 14:39	
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	1	11/22/17 14:39	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.67	1	11/22/17 14:39	
Toluene	1.0	U	1.0	0.20	1	11/22/17 14:39	
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	1	11/22/17 14:39	
1,1,2-Trichloroethane	1.0	U	1.0	0.34	1	11/22/17 14:39	
Tetrachloroethene	1.0	U	1.0	0.30	1	11/22/17 14:39	
2-Hexanone	5.0	U	5.0	1.7	1	11/22/17 14:39	
Dibromochloromethane	1.0	U	1.0	0.31	1	11/22/17 14:39	
Chlorobenzene	1.0	U	1.0	0.29	1	11/22/17 14:39	
Ethylbenzene	1.0	U	1.0	0.20	1	11/22/17 14:39	
m,p-Xylenes	2.0	U	2.0	0.33	1	11/22/17 14:39	
o-Xylene	1.0	U	1.0	0.20	1	11/22/17 14:39	
Styrene	1.0	U	1.0	0.20	1	11/22/17 14:39	
Bromoform	1.0	U	1.0	0.42	1	11/22/17 14:39	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.25	1	11/22/17 14:39	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 10:15
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-6-171115	**Units:**	ug/L
Lab Code:	R1710944-006	**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	92	85 - 122	11/22/17 14:39	
Toluene-d8	91	87 - 121	11/22/17 14:39	
Dibromofluoromethane	95	89 - 119	11/22/17 14:39	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 10:55
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-93-03(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-007	**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	0.21	1	11/22/17 13:12	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/22/17 13:12	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 13:12	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 13:12	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 13:12	
Acetone	5.0 U	5.0	1.3	1	11/22/17 13:12	
Carbon Disulfide	**0.30 J**	1.0	0.22	1	11/22/17 13:12	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 13:12	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/22/17 13:12	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/22/17 13:12	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/22/17 13:12	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 13:12	
Chloroform	1.0 U	1.0	0.25	1	11/22/17 13:12	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/22/17 13:12	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 13:12	
Benzene	1.0 U	1.0	0.20	1	11/22/17 13:12	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 13:12	
Trichloroethene	1.0 U	1.0	0.22	1	11/22/17 13:12	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 13:12	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 13:12	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 13:12	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 13:12	
Toluene	1.0 U	1.0	0.20	1	11/22/17 13:12	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 13:12	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 13:12	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 13:12	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 13:12	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 13:12	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 13:12	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 13:12	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 13:12	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 13:12	
Styrene	1.0 U	1.0	0.20	1	11/22/17 13:12	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 13:12	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 13:12	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 10:55
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-93-03(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-007	**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	92	85 - 122	11/22/17 13:12	
Toluene-d8	91	87 - 121	11/22/17 13:12	
Dibromofluoromethane	98	89 - 119	11/22/17 13:12	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 11:35
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-87-21(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-008	**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	0.21	1	11/27/17 12:49	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/27/17 12:49	
Chloroethane	1.0 U	1.0	0.24	1	11/27/17 12:49	
Bromomethane	1.0 U	1.0	0.29	1	11/27/17 12:49	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/27/17 12:49	
Acetone	5.0 U	5.0	1.3	1	11/27/17 12:49	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/27/17 12:49	
Methylene Chloride	1.0 U	1.0	0.60	1	11/27/17 12:49	
trans-1,2-Dichloroethene	**0.54 J**	1.0	0.33	1	11/27/17 12:49	
1,1-Dichloroethane	**2.0**	1.0	0.20	1	11/27/17 12:49	
cis-1,2-Dichloroethene	**7.6**	1.0	0.30	1	11/27/17 12:49	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/27/17 12:49	
Chloroform	**1.1**	1.0	0.25	1	11/27/17 12:49	
1,1,1-Trichloroethane	**2.8**	1.0	0.36	1	11/27/17 12:49	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/27/17 12:49	
Benzene	1.0 U	1.0	0.20	1	11/27/17 12:49	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/27/17 12:49	
Trichloroethene	**3.1**	1.0	0.22	1	11/27/17 12:49	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/27/17 12:49	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/27/17 12:49	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/27/17 12:49	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/27/17 12:49	
Toluene	1.0 U	1.0	0.20	1	11/27/17 12:49	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/27/17 12:49	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/27/17 12:49	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/27/17 12:49	
2-Hexanone	5.0 U	5.0	1.7	1	11/27/17 12:49	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/27/17 12:49	
Chlorobenzene	1.0 U	1.0	0.29	1	11/27/17 12:49	
Ethylbenzene	1.0 U	1.0	0.20	1	11/27/17 12:49	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/27/17 12:49	
o-Xylene	1.0 U	1.0	0.20	1	11/27/17 12:49	
Styrene	1.0 U	1.0	0.20	1	11/27/17 12:49	
Bromoform	1.0 U	1.0	0.42	1	11/27/17 12:49	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/27/17 12:49	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 11:35
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-87-21(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-008	**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	11/27/17 12:49	
Toluene-d8	92	87 - 121	11/27/17 12:49	
Dibromofluoromethane	97	89 - 119	11/27/17 12:49	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 11:55
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-87-19(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-009	**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	0.21	1	11/22/17 19:01	
Vinyl Chloride	**1.9**	1.0	0.32	1	11/22/17 19:01	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 19:01	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 19:01	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 19:01	
Acetone	5.0 U	5.0	1.3	1	11/22/17 19:01	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 19:01	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 19:01	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/22/17 19:01	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/22/17 19:01	
cis-1,2-Dichloroethene	**5.3**	1.0	0.30	1	11/22/17 19:01	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 19:01	
Chloroform	1.0 U	1.0	0.25	1	11/22/17 19:01	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/22/17 19:01	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 19:01	
Benzene	1.0 U	1.0	0.20	1	11/22/17 19:01	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 19:01	
Trichloroethene	1.0 U	1.0	0.22	1	11/22/17 19:01	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 19:01	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 19:01	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 19:01	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 19:01	
Toluene	1.0 U	1.0	0.20	1	11/22/17 19:01	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 19:01	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 19:01	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 19:01	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 19:01	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 19:01	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 19:01	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 19:01	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 19:01	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 19:01	
Styrene	1.0 U	1.0	0.20	1	11/22/17 19:01	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 19:01	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 19:01	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 11:55
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-87-19(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-009	**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	95	85 - 122	11/22/17 19:01	
Toluene-d8	94	87 - 121	11/22/17 19:01	
Dibromofluoromethane	103	89 - 119	11/22/17 19:01	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-DUP-2-171115	**Units:**	ug/L
Lab Code:	R1710944-011	**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	**0.29 J**	1.0	0.21	1	11/22/17 17:34	
Vinyl Chloride	**0.34 J**	1.0	0.32	1	11/22/17 17:34	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 17:34	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 17:34	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 17:34	
Acetone	5.0 U	5.0	1.3	1	11/22/17 17:34	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 17:34	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 17:34	
trans-1,2-Dichloroethene	**0.57 J**	1.0	0.33	1	11/22/17 17:34	
1,1-Dichloroethane	**1.7**	1.0	0.20	1	11/22/17 17:34	
cis-1,2-Dichloroethene	**7.5**	1.0	0.30	1	11/22/17 17:34	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 17:34	
Chloroform	**1.4**	1.0	0.25	1	11/22/17 17:34	
1,1,1-Trichloroethane	**2.8**	1.0	0.36	1	11/22/17 17:34	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 17:34	
Benzene	1.0 U	1.0	0.20	1	11/22/17 17:34	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 17:34	
Trichloroethene	**3.6**	1.0	0.22	1	11/22/17 17:34	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 17:34	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 17:34	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 17:34	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 17:34	
Toluene	1.0 U	1.0	0.20	1	11/22/17 17:34	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 17:34	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 17:34	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 17:34	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 17:34	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 17:34	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 17:34	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 17:34	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 17:34	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 17:34	
Styrene	1.0 U	1.0	0.20	1	11/22/17 17:34	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 17:34	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 17:34	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-DUP-2-171115	**Units:**	ug/L
Lab Code:	R1710944-011	**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	92	85 - 122	11/22/17 17:34	
Toluene-d8	93	87 - 121	11/22/17 17:34	
Dibromofluoromethane	104	89 - 119	11/22/17 17:34	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 13:20
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-87-20(0)-171115	**Units:**	ug/L
Lab Code:	R1710944-012	**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	0.21	1	11/22/17 17:55	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/22/17 17:55	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 17:55	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 17:55	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 17:55	
Acetone	5.0 U	5.0	1.3	1	11/22/17 17:55	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 17:55	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 17:55	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/22/17 17:55	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/22/17 17:55	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/22/17 17:55	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 17:55	
Chloroform	1.0 U	1.0	0.25	1	11/22/17 17:55	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/22/17 17:55	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 17:55	
Benzene	1.0 U	1.0	0.20	1	11/22/17 17:55	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 17:55	
Trichloroethene	1.0 U	1.0	0.22	1	11/22/17 17:55	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 17:55	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 17:55	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 17:55	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 17:55	
Toluene	1.0 U	1.0	0.20	1	11/22/17 17:55	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 17:55	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 17:55	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 17:55	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 17:55	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 17:55	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 17:55	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 17:55	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 17:55	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 17:55	
Styrene	1.0 U	1.0	0.20	1	11/22/17 17:55	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 17:55	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 17:55	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 13:20
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-87-20(0)-171115	**Units:**	ug/L
Lab Code:	R1710944-012	**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	95	85 - 122	11/22/17 17:55	
Toluene-d8	94	87 - 121	11/22/17 17:55	
Dibromofluoromethane	101	89 - 119	11/22/17 17:55	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 13:45
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-89-14(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-013	**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	0.42	2	11/22/17 16:28	
Vinyl Chloride	**290**	2.0	0.64	2	11/22/17 16:28	
Chloroethane	2.0 U	2.0	0.48	2	11/22/17 16:28	
Bromomethane	2.0 U	2.0	0.58	2	11/22/17 16:28	
1,1-Dichloroethene	2.0 U	2.0	1.2	2	11/22/17 16:28	
Acetone	**4.4 J**	10	2.5	2	11/22/17 16:28	
Carbon Disulfide	2.0 U	2.0	0.44	2	11/22/17 16:28	
Methylene Chloride	2.0 U	2.0	1.2	2	11/22/17 16:28	
trans-1,2-Dichloroethene	**1.7 J**	2.0	0.66	2	11/22/17 16:28	
1,1-Dichloroethane	**17**	2.0	0.40	2	11/22/17 16:28	
cis-1,2-Dichloroethene	**65**	2.0	0.60	2	11/22/17 16:28	
2-Butanone (MEK)	10 U	10	1.7	2	11/22/17 16:28	
Chloroform	2.0 U	2.0	0.50	2	11/22/17 16:28	
1,1,1-Trichloroethane	**2.2**	2.0	0.72	2	11/22/17 16:28	
Carbon Tetrachloride	2.0 U	2.0	0.90	2	11/22/17 16:28	
Benzene	2.0 U	2.0	0.40	2	11/22/17 16:28	
1,2-Dichloroethane	2.0 U	2.0	0.72	2	11/22/17 16:28	
Trichloroethene	**1.8 J**	2.0	0.44	2	11/22/17 16:28	
1,2-Dichloropropane	2.0 U	2.0	0.40	2	11/22/17 16:28	
Bromodichloromethane	2.0 U	2.0	0.64	2	11/22/17 16:28	
cis-1,3-Dichloropropene	2.0 U	2.0	0.48	2	11/22/17 16:28	
4-Methyl-2-pentanone (MIBK)	10 U	10	1.4	2	11/22/17 16:28	
Toluene	2.0 U	2.0	0.40	2	11/22/17 16:28	
trans-1,3-Dichloropropene	2.0 U	2.0	0.40	2	11/22/17 16:28	
1,1,2-Trichloroethane	2.0 U	2.0	0.68	2	11/22/17 16:28	
Tetrachloroethene	2.0 U	2.0	0.60	2	11/22/17 16:28	
2-Hexanone	10 U	10	3.4	2	11/22/17 16:28	
Dibromochloromethane	2.0 U	2.0	0.62	2	11/22/17 16:28	
Chlorobenzene	2.0 U	2.0	0.58	2	11/22/17 16:28	
Ethylbenzene	2.0 U	2.0	0.40	2	11/22/17 16:28	
m,p-Xylenes	4.0 U	4.0	0.66	2	11/22/17 16:28	
o-Xylene	2.0 U	2.0	0.40	2	11/22/17 16:28	
Styrene	2.0 U	2.0	0.40	2	11/22/17 16:28	
Bromoform	2.0 U	2.0	0.84	2	11/22/17 16:28	
1,1,2,2-Tetrachloroethane	2.0 U	2.0	0.50	2	11/22/17 16:28	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 13:45
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-89-14(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-013	**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	11/22/17 16:28	
Toluene-d8	93	87 - 121	11/22/17 16:28	
Dibromofluoromethane	100	89 - 119	11/22/17 16:28	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 14:20
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-7-171115	**Units:**	ug/L
Lab Code:	R1710944-014	**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	0.21	1	11/27/17 13:11	
Vinyl Chloride	**35**	1.0	0.32	1	11/27/17 13:11	
Chloroethane	1.0 U	1.0	0.24	1	11/27/17 13:11	
Bromomethane	1.0 U	1.0	0.29	1	11/27/17 13:11	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/27/17 13:11	
Acetone	5.0 U	5.0	1.3	1	11/27/17 13:11	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/27/17 13:11	
Methylene Chloride	1.0 U	1.0	0.60	1	11/27/17 13:11	
trans-1,2-Dichloroethene	**0.36 J**	1.0	0.33	1	11/27/17 13:11	
1,1-Dichloroethane	**4.4**	1.0	0.20	1	11/27/17 13:11	
cis-1,2-Dichloroethene	**20**	1.0	0.30	1	11/27/17 13:11	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/27/17 13:11	
Chloroform	1.0 U	1.0	0.25	1	11/27/17 13:11	
1,1,1-Trichloroethane	**5.0**	1.0	0.36	1	11/27/17 13:11	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/27/17 13:11	
Benzene	1.0 U	1.0	0.20	1	11/27/17 13:11	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/27/17 13:11	
Trichloroethene	**0.94 J**	1.0	0.22	1	11/27/17 13:11	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/27/17 13:11	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/27/17 13:11	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/27/17 13:11	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/27/17 13:11	
Toluene	1.0 U	1.0	0.20	1	11/27/17 13:11	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/27/17 13:11	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/27/17 13:11	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/27/17 13:11	
2-Hexanone	5.0 U	5.0	1.7	1	11/27/17 13:11	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/27/17 13:11	
Chlorobenzene	1.0 U	1.0	0.29	1	11/27/17 13:11	
Ethylbenzene	1.0 U	1.0	0.20	1	11/27/17 13:11	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/27/17 13:11	
o-Xylene	1.0 U	1.0	0.20	1	11/27/17 13:11	
Styrene	1.0 U	1.0	0.20	1	11/27/17 13:11	
Bromoform	1.0 U	1.0	0.42	1	11/27/17 13:11	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/27/17 13:11	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 14:20
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-7-171115	**Units:**	ug/L
Lab Code:	R1710944-014	**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	11/27/17 13:11	
Toluene-d8	94	87 - 121	11/27/17 13:11	
Dibromofluoromethane	98	89 - 119	11/27/17 13:11	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 14:45
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-13-171115	**Units:**	ug/L
Lab Code:	R1710944-015	**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	0.21	1	11/27/17 13:33	
Vinyl Chloride	**160**		1.0	0.32	1	11/27/17 13:33	
Chloroethane	1.0	U	1.0	0.24	1	11/27/17 13:33	
Bromomethane	1.0	U	1.0	0.29	1	11/27/17 13:33	
1,1-Dichloroethene	**0.94**	**J**	1.0	0.57	1	11/27/17 13:33	
Acetone	5.0	U	5.0	1.3	1	11/27/17 13:33	
Carbon Disulfide	**0.37**	**BJ**	1.0	0.22	1	11/27/17 13:33	
Methylene Chloride	**1.6**		1.0	0.60	1	11/27/17 13:33	
trans-1,2-Dichloroethene	**1.4**		1.0	0.33	1	11/27/17 13:33	
1,1-Dichloroethane	**8.4**		1.0	0.20	1	11/27/17 13:33	
cis-1,2-Dichloroethene	**160**		1.0	0.30	1	11/27/17 13:33	
2-Butanone (MEK)	5.0	U	5.0	0.81	1	11/27/17 13:33	
Chloroform	1.0	U	1.0	0.25	1	11/27/17 13:33	
1,1,1-Trichloroethane	**25**		1.0	0.36	1	11/27/17 13:33	
Carbon Tetrachloride	1.0	U	1.0	0.45	1	11/27/17 13:33	
Benzene	1.0	U	1.0	0.20	1	11/27/17 13:33	
1,2-Dichloroethane	1.0	U	1.0	0.36	1	11/27/17 13:33	
Trichloroethene	**1.2**		1.0	0.22	1	11/27/17 13:33	
1,2-Dichloropropane	1.0	U	1.0	0.20	1	11/27/17 13:33	
Bromodichloromethane	1.0	U	1.0	0.32	1	11/27/17 13:33	
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	1	11/27/17 13:33	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.67	1	11/27/17 13:33	
Toluene	1.0	U	1.0	0.20	1	11/27/17 13:33	
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	1	11/27/17 13:33	
1,1,2-Trichloroethane	1.0	U	1.0	0.34	1	11/27/17 13:33	
Tetrachloroethene	1.0	U	1.0	0.30	1	11/27/17 13:33	
2-Hexanone	5.0	U	5.0	1.7	1	11/27/17 13:33	
Dibromochloromethane	1.0	U	1.0	0.31	1	11/27/17 13:33	
Chlorobenzene	1.0	U	1.0	0.29	1	11/27/17 13:33	
Ethylbenzene	1.0	U	1.0	0.20	1	11/27/17 13:33	
m,p-Xylenes	2.0	U	2.0	0.33	1	11/27/17 13:33	
o-Xylene	1.0	U	1.0	0.20	1	11/27/17 13:33	
Styrene	1.0	U	1.0	0.20	1	11/27/17 13:33	
Bromoform	1.0	U	1.0	0.42	1	11/27/17 13:33	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.25	1	11/27/17 13:33	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17 14:45
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-EW-13-171115	**Units:**	ug/L
Lab Code:	R1710944-015	**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	11/27/17 13:33	
Toluene-d8	92	87 - 121	11/27/17 13:33	
Dibromofluoromethane	104	89 - 119	11/27/17 13:33	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/16/17 09:40
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-87-14(0)-171116	**Units:**	ug/L
Lab Code:	R1710944-019	**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	0.21	1	11/22/17 18:17	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/22/17 18:17	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 18:17	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 18:17	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 18:17	
Acetone	5.0 U	5.0	1.3	1	11/22/17 18:17	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 18:17	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 18:17	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/22/17 18:17	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/22/17 18:17	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/22/17 18:17	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 18:17	
Chloroform	1.0 U	1.0	0.25	1	11/22/17 18:17	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/22/17 18:17	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 18:17	
Benzene	1.0 U	1.0	0.20	1	11/22/17 18:17	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 18:17	
Trichloroethene	**62**	1.0	0.22	1	11/22/17 18:17	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 18:17	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 18:17	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 18:17	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 18:17	
Toluene	1.0 U	1.0	0.20	1	11/22/17 18:17	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 18:17	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 18:17	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 18:17	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 18:17	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 18:17	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 18:17	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 18:17	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 18:17	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 18:17	
Styrene	1.0 U	1.0	0.20	1	11/22/17 18:17	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 18:17	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 18:17	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/16/17 09:40
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-87-14(0)-171116	**Units:**	ug/L
Lab Code:	R1710944-019	**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	94	85 - 122	11/22/17 18:17	
Toluene-d8	93	87 - 121	11/22/17 18:17	
Dibromofluoromethane	93	89 - 119	11/22/17 18:17	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/16/17 10:05
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-FB-2-171116	**Units:**	ug/L
Lab Code:	R1710944-020	**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	0.21	1	11/22/17 12:51	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/22/17 12:51	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 12:51	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 12:51	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 12:51	
Acetone	**1.4 J**	5.0	1.3	1	11/22/17 12:51	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 12:51	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 12:51	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/22/17 12:51	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/22/17 12:51	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/22/17 12:51	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 12:51	
Chloroform	1.0 U	1.0	0.25	1	11/22/17 12:51	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/22/17 12:51	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 12:51	
Benzene	1.0 U	1.0	0.20	1	11/22/17 12:51	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 12:51	
Trichloroethene	1.0 U	1.0	0.22	1	11/22/17 12:51	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 12:51	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 12:51	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 12:51	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 12:51	
Toluene	**1.2**	1.0	0.20	1	11/22/17 12:51	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 12:51	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 12:51	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 12:51	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 12:51	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 12:51	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 12:51	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 12:51	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 12:51	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 12:51	
Styrene	1.0 U	1.0	0.20	1	11/22/17 12:51	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 12:51	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 12:51	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/16/17 10:05
Sample Matrix:	Water	**Date Received:**	11/16/17 12:35
Sample Name:	BAT-FB-2-171116	**Units:**	ug/L
Lab Code:	R1710944-020	**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	94	85 - 122	11/22/17 12:51	
Toluene-d8	93	87 - 121	11/22/17 12:51	
Dibromofluoromethane	98	89 - 119	11/22/17 12:51	

QC Summary 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

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
www.alsglobal.com

Client: APTIM, Inc **Service Request:** R1710944
Project: Textron Wheatfield/Bioremediation Groundwaters
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 89 - 119	Toluene-d8 87 - 121
BAT-EW-8-171114	R1710944-001	93	96	94
BAT-EW-2-171115	R1710944-002	92	99	94
BAT-EW-3-171115	R1710944-003	91	97	96
BAT-EW-4-171115	R1710944-004	92	95	91
BAT-EW-5-171115	R1710944-005	91	99	92
BAT-EW-6-171115	R1710944-006	92	95	91
BAT-93-03(1)-171115	R1710944-007	92	98	91
BAT-87-21(1)-171115	R1710944-008	90	97	92
BAT-87-19(1)-171115	R1710944-009	95	103	94
BAT-DUP-2-171115	R1710944-011	92	104	93
BAT-87-20(0)-171115	R1710944-012	95	101	94
BAT-89-14(1)-171115	R1710944-013	90	100	93
BAT-EW-7-171115	R1710944-014	97	98	94
BAT-EW-13-171115	R1710944-015	90	104	92
BAT-87-14(0)-171116	R1710944-019	94	93	93
BAT-FB-2-171116	R1710944-020	94	98	93
Lab Control Sample	RQ1712191-03	91	98	92
Method Blank	RQ1712191-04	91	96	91
BAT-93-03(1)-171115 MS	RQ1712191-05	92	106	97
BAT-93-03(1)-171115 DMS	RQ1712191-06	91	100	95
Lab Control Sample	RQ1712263-03	93	101	94
Method Blank	RQ1712263-04	88	93	93

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	11/15/17
Sample Matrix:	Water	**Date Received:**	11/16/17
		Date Analyzed:	11/22/17
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	BAT-93-03(1)-171115	**Units:**	ug/L
Lab Code:	R1710944-007	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ1712191-05			Duplicate Matrix Spike RQ1712191-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloromethane	1.0 U	53.9	50.0	108	54.7	50.0	109	55-160	1	30
Vinyl Chloride	1.0 U	51.2	50.0	102	55.1	50.0	110	60-157	7	30
Chloroethane	1.0 U	57.7	50.0	115	60.2	50.0	120	70-140	4	30
Bromomethane	1.0 U	47.2	50.0	94	32.6	50.0	65	10-162	37*	30
1,1-Dichloroethene	1.0 U	49.7	50.0	99	54.0	50.0	108	74-139	8	30
Acetone	5.0 U	39.6	50.0	79	41.9	50.0	84	29-151	6	30
Carbon Disulfide	0.30 J	56.9	50.0	113	58.6	50.0	117	34-162	3	30
Methylene Chloride	1.0 U	53.5	50.0	107	54.9	50.0	110	75-121	3	30
trans-1,2-Dichloroethene	1.0 U	52.6	50.0	105	54.4	50.0	109	77-125	3	30
1,1-Dichloroethane	1.0 U	52.8	50.0	106	56.0	50.0	112	74-132	6	30
cis-1,2-Dichloroethene	1.0 U	50.9	50.0	102	55.1	50.0	110	72-133	8	30
2-Butanone (MEK)	5.0 U	51.4	50.0	103	49.5	50.0	99	46-141	4	30
Chloroform	1.0 U	52.0	50.0	104	55.2	50.0	110	75-130	6	30
1,1,1-Trichloroethane	1.0 U	54.3	50.0	109	60.3	50.0	121	74-127	10	30
Carbon Tetrachloride	1.0 U	54.3	50.0	109	57.3	50.0	115	65-135	5	30
Benzene	1.0 U	49.8	50.0	100	51.6	50.0	103	76-129	4	30
1,2-Dichloroethane	1.0 U	51.2	50.0	102	53.2	50.0	106	68-130	4	30
Trichloroethene	1.0 U	51.2	50.0	102	51.1	50.0	102	62-142	<1	30
1,2-Dichloropropane	1.0 U	49.5	50.0	99	51.0	50.0	102	79-124	3	30
Bromodichloromethane	1.0 U	56.1	50.0	112	56.6	50.0	113	76-127	<1	30
cis-1,3-Dichloropropene	1.0 U	50.0	50.0	100	51.9	50.0	104	52-134	4	30
4-Methyl-2-pentanone (MIBK)	5.0 U	53.2	50.0	106	53.2	50.0	106	60-141	<1	30
Toluene	1.0 U	50.6	50.0	101	52.1	50.0	104	79-125	3	30
trans-1,3-Dichloropropene	1.0 U	48.6	50.0	97	52.3	50.0	105	50-142	7	30
1,1,2-Trichloroethane	1.0 U	49.6	50.0	99	52.3	50.0	105	79-119	5	30
Tetrachloroethene	1.0 U	50.9	50.0	102	54.0	50.0	108	67-137	6	30
2-Hexanone	5.0 U	49.1	50.0	98	49.8	50.0	100	56-132	1	30
Dibromochloromethane	1.0 U	50.1	50.0	100	52.7	50.0	105	72-128	5	30
Chlorobenzene	1.0 U	50.6	50.0	101	51.9	50.0	104	76-125	2	30
Ethylbenzene	1.0 U	50.2	50.0	100	52.4	50.0	105	72-134	4	30
m,p-Xylenes	2.0 U	105	100	105	106	100	106	68-138	1	30
o-Xylene	1.0 U	48.8	50.0	98	51.9	50.0	104	68-134	6	30
Styrene	1.0 U	53.7	50.0	107	54.1	50.0	108	34-156	<1	30
Bromoform	1.0 U	53.7	50.0	107	55.2	50.0	110	58-133	3	30
1,1,2,2-Tetrachloroethane	1.0 U	50.7	50.0	101	54.4	50.0	109	72-122	7	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.

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712191-04	**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	0.21	1	11/22/17 12:11	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/22/17 12:11	
Chloroethane	1.0 U	1.0	0.24	1	11/22/17 12:11	
Bromomethane	1.0 U	1.0	0.29	1	11/22/17 12:11	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/22/17 12:11	
Acetone	5.0 U	5.0	1.3	1	11/22/17 12:11	
Carbon Disulfide	1.0 U	1.0	0.22	1	11/22/17 12:11	
Methylene Chloride	1.0 U	1.0	0.60	1	11/22/17 12:11	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/22/17 12:11	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/22/17 12:11	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/22/17 12:11	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/22/17 12:11	
Chloroform	1.0 U	1.0	0.25	1	11/22/17 12:11	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/22/17 12:11	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/22/17 12:11	
Benzene	1.0 U	1.0	0.20	1	11/22/17 12:11	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/22/17 12:11	
Trichloroethene	1.0 U	1.0	0.22	1	11/22/17 12:11	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/22/17 12:11	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/22/17 12:11	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/22/17 12:11	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/22/17 12:11	
Toluene	1.0 U	1.0	0.20	1	11/22/17 12:11	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/22/17 12:11	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/22/17 12:11	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/22/17 12:11	
2-Hexanone	5.0 U	5.0	1.7	1	11/22/17 12:11	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/22/17 12:11	
Chlorobenzene	1.0 U	1.0	0.29	1	11/22/17 12:11	
Ethylbenzene	1.0 U	1.0	0.20	1	11/22/17 12:11	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/22/17 12:11	
o-Xylene	1.0 U	1.0	0.20	1	11/22/17 12:11	
Styrene	1.0 U	1.0	0.20	1	11/22/17 12:11	
Bromoform	1.0 U	1.0	0.42	1	11/22/17 12:11	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/22/17 12:11	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712191-04	**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	91	85 - 122	11/22/17 12:11	
Toluene-d8	91	87 - 121	11/22/17 12:11	
Dibromofluoromethane	96	89 - 119	11/22/17 12:11	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712263-04	**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	0.21	1	11/27/17 11:37	
Vinyl Chloride	1.0 U	1.0	0.32	1	11/27/17 11:37	
Chloroethane	1.0 U	1.0	0.24	1	11/27/17 11:37	
Bromomethane	1.0 U	1.0	0.29	1	11/27/17 11:37	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	11/27/17 11:37	
Acetone	5.0 U	5.0	1.3	1	11/27/17 11:37	
Carbon Disulfide	**0.27 J**	1.0	0.22	1	11/27/17 11:37	
Methylene Chloride	1.0 U	1.0	0.60	1	11/27/17 11:37	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	11/27/17 11:37	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	11/27/17 11:37	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	11/27/17 11:37	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	11/27/17 11:37	
Chloroform	1.0 U	1.0	0.25	1	11/27/17 11:37	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	11/27/17 11:37	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	11/27/17 11:37	
Benzene	1.0 U	1.0	0.20	1	11/27/17 11:37	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	11/27/17 11:37	
Trichloroethene	1.0 U	1.0	0.22	1	11/27/17 11:37	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	11/27/17 11:37	
Bromodichloromethane	1.0 U	1.0	0.32	1	11/27/17 11:37	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	11/27/17 11:37	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	11/27/17 11:37	
Toluene	1.0 U	1.0	0.20	1	11/27/17 11:37	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	11/27/17 11:37	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	11/27/17 11:37	
Tetrachloroethene	1.0 U	1.0	0.30	1	11/27/17 11:37	
2-Hexanone	5.0 U	5.0	1.7	1	11/27/17 11:37	
Dibromochloromethane	1.0 U	1.0	0.31	1	11/27/17 11:37	
Chlorobenzene	1.0 U	1.0	0.29	1	11/27/17 11:37	
Ethylbenzene	1.0 U	1.0	0.20	1	11/27/17 11:37	
m,p-Xylenes	2.0 U	2.0	0.33	1	11/27/17 11:37	
o-Xylene	1.0 U	1.0	0.20	1	11/27/17 11:37	
Styrene	1.0 U	1.0	0.20	1	11/27/17 11:37	
Bromoform	1.0 U	1.0	0.42	1	11/27/17 11:37	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	11/27/17 11:37	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710944
Project:	Textron Wheatfield/Bioremediation Groundwaters	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1712263-04	**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	88	85 - 122	11/27/17 11:37	
Toluene-d8	93	87 - 121	11/27/17 11:37	
Dibromofluoromethane	93	89 - 119	11/27/17 11:37	

Client: APTIM, Inc
Project: Textron Wheatfield/Bioremediation Groundwaters
Sample Matrix: Water

Service Request: R1710944
Date Analyzed: 11/22/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712191-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	20.3	20.0	102	69-145
Vinyl Chloride	8260C	19.0	20.0	95	69-133
Chloroethane	8260C	21.2	20.0	106	70-127
Bromomethane	8260C	20.6	20.0	103	42-166
1,1-Dichloroethene	8260C	17.2	20.0	86	74-135
Acetone	8260C	18.4	20.0	92	40-161
Carbon Disulfide	8260C	19.7	20.0	99	65-127
Methylene Chloride	8260C	18.8	20.0	94	73-122
trans-1,2-Dichloroethene	8260C	18.9	20.0	94	80-120
1,1-Dichloroethane	8260C	19.3	20.0	97	78-117
cis-1,2-Dichloroethene	8260C	19.3	20.0	97	80-121
2-Butanone (MEK)	8260C	17.9	20.0	90	61-137
Chloroform	8260C	19.0	20.0	95	76-120
1,1,1-Trichloroethane	8260C	19.9	20.0	99	74-120
Carbon Tetrachloride	8260C	19.7	20.0	98	68-125
Benzene	8260C	18.4	20.0	92	76-118
1,2-Dichloroethane	8260C	18.7	20.0	94	71-127
Trichloroethene	8260C	19.9	20.0	100	78-123
1,2-Dichloropropane	8260C	19.0	20.0	95	80-119
Bromodichloromethane	8260C	20.8	20.0	104	78-126
cis-1,3-Dichloropropene	8260C	18.9	20.0	95	74-126
4-Methyl-2-pentanone (MIBK)	8260C	17.6	20.0	88	66-124
Toluene	8260C	18.3	20.0	92	77-120
trans-1,3-Dichloropropene	8260C	18.9	20.0	95	67-135
1,1,2-Trichloroethane	8260C	17.5	20.0	87	82-118
Tetrachloroethene	8260C	19.6	20.0	98	78-124
2-Hexanone	8260C	18.1	20.0	90	63-124
Dibromochloromethane	8260C	19.2	20.0	96	77-128
Chlorobenzene	8260C	19.4	20.0	97	80-121
Ethylbenzene	8260C	19.1	20.0	95	76-120
m,p-Xylenes	8260C	38.9	40.0	97	78-123
o-Xylene	8260C	19.0	20.0	95	80-120
Styrene	8260C	19.7	20.0	99	80-124

Client: APTIM, Inc
Project: Textron Wheatfield/Bioremediation Groundwaters
Sample Matrix: Water

Service Request: R1710944
Date Analyzed: 11/22/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712191-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	18.9	20.0	94	71-136
1,1,2,2-Tetrachloroethane	8260C	17.8	20.0	89	78-122

Client: APTIM, Inc
Project: Textron Wheatfield/Bioremediation Groundwaters
Sample Matrix: Water

Service Request: R1710944
Date Analyzed: 11/27/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712263-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	20.9	20.0	105	69-145
Vinyl Chloride	8260C	21.4	20.0	107	69-133
Chloroethane	8260C	22.9	20.0	115	70-127
Bromomethane	8260C	20.6	20.0	103	42-166
1,1-Dichloroethene	8260C	19.2	20.0	96	74-135
Acetone	8260C	20.2	20.0	101	40-161
Carbon Disulfide	8260C	21.4	20.0	107	65-127
Methylene Chloride	8260C	21.6	20.0	108	73-122
trans-1,2-Dichloroethene	8260C	20.8	20.0	104	80-120
1,1-Dichloroethane	8260C	20.7	20.0	104	78-117
cis-1,2-Dichloroethene	8260C	20.9	20.0	105	80-121
2-Butanone (MEK)	8260C	20.2	20.0	101	61-137
Chloroform	8260C	20.6	20.0	103	76-120
1,1,1-Trichloroethane	8260C	21.5	20.0	107	74-120
Carbon Tetrachloride	8260C	21.2	20.0	106	68-125
Benzene	8260C	19.0	20.0	95	76-118
1,2-Dichloroethane	8260C	19.8	20.0	99	71-127
Trichloroethene	8260C	19.7	20.0	99	78-123
1,2-Dichloropropane	8260C	18.1	20.0	90	80-119
Bromodichloromethane	8260C	20.7	20.0	104	78-126
cis-1,3-Dichloropropene	8260C	19.1	20.0	96	74-126
4-Methyl-2-pentanone (MIBK)	8260C	18.7	20.0	93	66-124
Toluene	8260C	19.0	20.0	95	77-120
trans-1,3-Dichloropropene	8260C	19.4	20.0	97	67-135
1,1,2-Trichloroethane	8260C	18.6	20.0	93	82-118
Tetrachloroethene	8260C	20.2	20.0	101	78-124
2-Hexanone	8260C	19.0	20.0	95	63-124
Dibromochloromethane	8260C	20.5	20.0	102	77-128
Chlorobenzene	8260C	20.1	20.0	100	80-121
Ethylbenzene	8260C	19.2	20.0	96	76-120
m,p-Xylenes	8260C	40.7	40.0	102	78-123
o-Xylene	8260C	20.6	20.0	103	80-120
Styrene	8260C	20.6	20.0	103	80-124

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: APTIM, Inc
Project: Textron Wheatfield/Bioremediation Groundwaters
Sample Matrix: Water

Service Request: R1710944
Date Analyzed: 11/27/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1712263-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	19.9	20.0	99	71-136
1,1,2,2-Tetrachloroethane	8260C	17.2	20.0	86	78-122

Appendix F

Off-Site System Performance Review – April 2017

CB&I
500 Penn Center Boulevard
Suite 1000
Pittsburgh, PA 15235
Tel: 412.372.7701
Fax: 412.380.4091
www.CBI.com

May 17, 2017

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:

CB&I Environmental & Infrastructure, Inc. (CB&I) has prepared, on behalf of Textron Inc. (Textron), this assessment of the data collected as part the extended pilot shutdown of Extraction Well EW-5. Per the New York State Department of Environmental Conservation's (NYSDEC) electronic mail of July 22, 2013, Extraction Well EW-5 was taken off line on September 5, 2013 as part of the evaluation regarding the ability of the three northernmost extraction wells to contain 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 2016 event were presented in the *2016 Annual Summary and Site Maintenance and Monitoring Report*. The April 2017 groundwater analytical data are summarized in Table 1; complete analytical data packages are included as Attachment A. The April groundwater elevations for the Off-Site System are shown on Figure 1.

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, 2017. The analytical results are shown graphically on Figure 2. The cone of depression and zone of influence for this monitoring event remain consistent with the prior observations.

The October 2011 analytical data were used as a baseline for comparison, as this event was completed before the initial shutdown of Extraction Well EW-5. As shown below, groundwater quality in all of the extraction wells (EW-2, EW-3, EW-4, EW-5, and EW-6) has demonstrated significant decreases in total VOC concentrations after Extraction Well EW-5 was taken off line.

Well Location	Decrease in VOC Concentration – 2011 to 2017
EW-2	98 %
EW-3	47 %
EW-4	87 %
EW-5	76 %
EW-6	34 %

The sample collected from Monitoring Well 93-03(1) exhibited an estimated carbon disulfide concentration of 0.33 microgram per liter (µg/L), which is below both the laboratory method detection limit and the New York State Groundwater Guidance Value of 60 µg/L.

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 a strong 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 off line. The next groundwater sampling event is scheduled for October 2017. The analytical and gauging results from these wells will be examined and the performance of the Off-Site System will continue to be assessed and reported to the NYSDEC in the *2017 Annual Summary and Site Maintenance and Monitoring Report*.

CB&I 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,
CB&I Environmental & Infrastructure, Inc.

Cecelia Byers

Cecelia Byers
Project Manager

CB:lmk
Attachments: Table
Figures
Appendix A – Analytical Report

cc: Mr. Greg Simpson – Textron
Mr. Brian Sadowski – NYSDEC
Mr. Chad Staniszewski – NYSDEC
File

Table

Table 1
Summary of Groundwater Analytical Data
Former Textron Inc., Wheatfield, NY
April 2017

SAMPLE LOCATION	EW-2	EW-2		EW-2		EW-3
SAMPLE I.D.	BAT-EW-2-170418	BAT-EW-2-170418 MS		BAT-EW-2-170418 MSD		BAT-EW-3-170418
SAMPLE DATE	4/18/2017	4/18/2017		4/18/2017		4/18/2017
VOCs by USEPA Method 8260		Matrix Spike		Matrix Spike Duplicate		
		% Rec.	QC Lim	% Rec.	QC Lim	
Chloromethane	1.0 U	*92*	*55-160*	*95*	*55-160*	10 U
Vinyl Chloride	2.8	*112*	*60-157*	*113*	*60-157*	860
Chloroethane	1.0 U	*95*	*70-140*	*104*	*70-140*	10 U
Bromomethane	1.0 U	*84*	*10-162*	*89*	*10-162*	10 U
1,1-Dichloroethene	1.0 U	*98*	*72-125*	*99*	*72-125*	10 U
Acetone	5.0 U	*111*	*29-151*	*113*	*29-151*	50 U
Carbon Disulfide	1.0 U	*89*	*34-162*	*95*	*34-162*	10 U
Methylene Chloride	1.0 U	*107*	*75-121*	*105*	*75-121*	10 U
trans-1,2-Dichloroethene	1.1	*94*	*77-125*	*100*	*77-125*	8.4 J
1,1-Dichloroethane	2.1	*104*	*74-132*	*107*	*74-132*	16
cis-1,2-Dichloroethene	7.8	*101*	*72-133*	*106*	*72-133*	1,300
2-Butanone	5.0 U	*112*	*46-141*	*113*	*46-141*	50 U
Chloroform	0.64 J	*111*	*75-130*	*110*	*75-130*	10 U
1,1,1-Trichloroethane	2.9	*110*	*74-127*	*115*	*74-127*	14
Carbon Tetrachloride	1.0 U	*107*	*71-135*	*107*	*71-135*	10 U
Benzene	1.0 U	*102*	*76-129*	*101*	*76-129*	10 U
1,2-Dichloroethane	1.0 U	*110*	*72-132*	*107*	*72-132*	10 U
Trichloroethene	3.2	*105*	*62-142*	*105*	*62-142*	4.3 J
1,2-Dichloropropane	1.0 U	*103*	*79-124*	*102*	*79-124*	10 U
Bromodichloromethane	1.0 U	*107*	*76-127*	*110*	*76-127*	10 U
cis-1,3-Dichloropropene	1.0 U	*94*	*52-134*	*88*	*52-134*	10 U
4-Methyl-2-pentanone	5.0 U	*113*	*60-141*	*113*	*60-141*	50 U
Toluene	1.0 U	*92*	*79-125*	*93*	*79-125*	10 U
trans-1,3-Dichloropropene	1.0 U	*97*	*64-123*	*92*	*64-123*	10 U
1,1,2-Trichloroethane	1.0 U	*108*	*82-115*	*104*	*82-115*	10 U
Tetrachloroethene	1.0 U	*106*	*67-137*	*102*	*67-137*	10 U
2-Hexanone	5.0 U	*112*	*56-132*	*112*	*56-132*	50 U
Dibromochloromethane	1.0 U	*99*	*72-128*	*101*	*72-128*	10 U
Chlorobenzene	1.0 U	*96*	*76-125*	*95*	*76-125*	10 U
Ethylbenzene	1.0 U	*101*	*72-134*	*105*	*72-134*	10 U
m/p-Xylenes	2.0 U	*103*	*68-138*	*98*	*68-138*	20 U
o-Xylene	1.0 U	*100*	*68-134*	*105*	*68-134*	10 U
Styrene	1.0 U	*105*	*34-156*	*106*	*34-156*	10 U
Bromoform	1.0 U	*103*	*58-133*	*104*	*58-133*	10 U
1,1,2,2-Tetrachloroethane	1.0 U	*107*	*72-122*	*108*	*72-122*	10 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 2017

SAMPLE LOCATION	EW-4	EW-4	EW-5	EW-6
SAMPLE I.D.	BAT-EW-4-170418	BAT-DUP-2-170418	BAT-EW-5-170418	BAT-EW-6-170418
SAMPLE DATE	4/18/2017	4/18/2017	4/18/2017	4/18/2017
VOCs by USEPA Method 8260				
Chloromethane	1.0 U	1.0 U	2.0 U	1.0 U
Vinyl Chloride	54	51	170	1.0 U
Chloroethane	1.0 U	1.0 U	2.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	2.0 U	1.0 U
Acetone	5.0 U	1.4 J	6.3 J	1.4 J
Carbon Disulfide	0.30 J	0.39 J	0.6 J	1.0 U
Methylene Chloride	1.0 U	1.0 U	2.0 U	1.0 U
trans-1,2-Dichloroethene	1.8	1.9 J	3.2	0.64 J
1,1-Dichloroethane	1.9	1.9	2.3	0.89 J
cis-1,2-Dichloroethene	69	67	78	36
2-Butanone	5.0 U	5.0 U	10 U	5.0 U
Chloroform	1.0 U	1.0 U	2.0 U	1.0 U
1,1,1-Trichloroethane	1.1	1.2	0.96 J	0.87 J
Carbon Tetrachloride	1.0 U	1.0 U	2.0 U	1.0 U
Benzene	1.0 U	1.0 U	2.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	2.0 U	1.0 U
Trichloroethene	0.85 J	0.91 J	1.1 J	0.61 J
1,2-Dichloropropane	1.0 U	1.0 U	2.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	2.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	2.0 U	1.0 U
4-Methyl-2-pentanone	5.0 U	5.0 U	10.0 U	5.0 U
Toluene	1.0 U	1.0 U	2.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	2.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	2.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	2.0 U	1.0 U
2-Hexanone	5.0 U	5.0 U	10.0 U	5.0 U
Dibromochloromethane	1.0 U	1.0 U	2.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	2.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	2.0 U	1.0 U
m/p-Xylenes	2.0 U	2.0 U	4.0 U	2.0 U
o-Xylene	1.0 U	1.0 U	2.0 U	1.0 U
Styrene	1.0 U	1.0 U	2.0 U	1.0 U
Bromoform	1.0 U	1.0 U	2.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	2.0 U	1.0 U

Notes:
U = Compound not detected at detection limit.
Bold = Compound detected at concentration.
J = Indicates an estimated value below detectior

Table 1
Summary of Groundwater Analytical Data
Former Textron Inc., Wheatfield, NY
April 2017

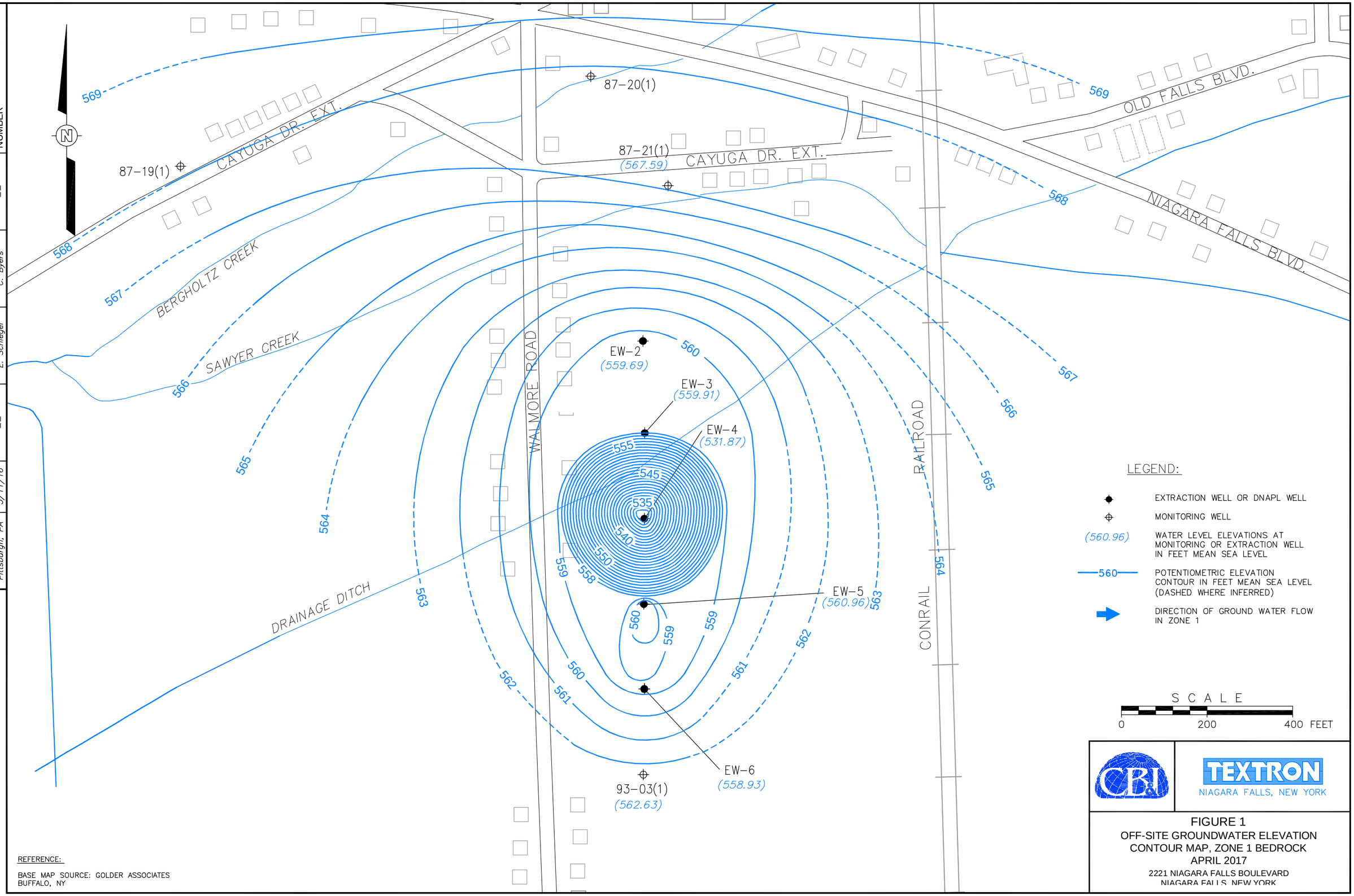
SAMPLE LOCATION	93-03(1)	FIELD BLANK	TRIP BLANK
SAMPLE I.D.	BAT-93-03(1)-170418	BAT-FB-1-170418	BAT-TB-170418
SAMPLE DATE	4/18/2017	4/18/2017	4/18/2017
VOCs by USEPA Method 8260			
Chloromethane	1.0 U	1.0 U	1.0 U
Vinyl Chloride	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	**0.79 BJ**
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U
Acetone	1.0 U	**2.4 J**	**1.7 J**
Carbon Disulfide	**0.33 J**	1.0 U	1.0 U
Methylene Chloride	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U
2-Butanone	5.0 U	5.0 U	5.0 U
Chloroform	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U
Benzene	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	5.0 U	5.0 U	5.0 U
Toluene	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U
m/p-Xylenes	2.0 U	2.0 U	2.0 U
o-Xylene	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	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 detectior

Figures

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	DESIGNED BY
156045-B5	--	C. Byers	E. Schlegel	--

OFFICE	DATE
Pittsburgh, PA	5/11/16



LEGEND:

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

SCALE

0 200 400 FEET

REFERENCE:

BASE MAP SOURCE: GOLDER ASSOCIATES
BUFFALO, NY

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 1
OFF-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 1 BEDROCK
APRIL 2017

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Shaw Offices - CAD Files\Latham, NY\156045\156045-B5.dwg
Plot Date/Time: May 16, 2017 - 1:55pm
Plotted By: evan.schlegel
image

DRAWING NUMBER	156045-B4
APPROVED BY	--
CHECKED BY	--
DRAWN BY	E. Schlegel
DESIGNED BY	--
DATE	5/4/17
OFFICE	Pittsburgh, PA

SAMPLE LOCATION	EW-2	
SAMPLE I.D.	BAT-EW-2-170418	
SAMPLE DATE	4/18/2017	
VOCs by USEPA Method 8260		
Vinyl Chloride	2.8	
trans-1,2-Dichloroethene	1.1	
1,1-Dichloroethane	2.1	
cis-1,2-Dichloroethene	7.8	
Chloroform	0.64	J
1,1,1-Trichloroethane	2.9	
Trichloroethene	3.2	

SAMPLE LOCATION	EW-3	
SAMPLE I.D.	BAT-EW-3-170418	
SAMPLE DATE	4/18/2017	
VOCs by USEPA Method 8260		
Vinyl Chloride	860	
trans-1,2-Dichloroethene	8.4	J
1,1-Dichloroethane	16	
cis-1,2-Dichloroethene	1,300	
1,1,1-Trichloroethane	14	
Trichloroethene	4.3	J

SAMPLE LOCATION	EW-4		EW-4	
SAMPLE I.D.	BAT-EW-4-170418		BAT-DUP-2-170418	
SAMPLE DATE	4/18/2017		4/18/2017	
VOCs by USEPA Method 8260				
Vinyl Chloride	54		51	
Acetone	5.0	U	1.4	J
Carbon Disulfide	0.30	J	0.39	J
trans-1,2-Dichloroethene	1.8		1.9	J
1,1-Dichloroethane	1.9		1.9	
cis-1,2-Dichloroethene	69		67	
1,1,1-Trichloroethane	1.1		1.2	
Trichloroethene	0.85	J	0.91	J

SAMPLE LOCATION	EW-5	
SAMPLE I.D.	BAT-EW-5-170418	
SAMPLE DATE	4/18/2017	
VOCs by USEPA Method 8260		
Vinyl Chloride	170	
Acetone	6.3	J
Carbon Disulfide	0.6	J
trans-1,2-Dichloroethene	3.2	
1,1-Dichloroethane	2.3	
cis-1,2-Dichloroethene	78	
1,1,1-Trichloroethane	0.96	J
Trichloroethene	1.1	J

SAMPLE LOCATION	EW-6	
SAMPLE I.D.	BAT-EW-6-170418	
SAMPLE DATE	4/18/2017	
VOCs by USEPA Method 8260		
Acetone	1.4	J
trans-1,2-Dichloroethene	0.64	J
1,1-Dichloroethane	0.89	J
cis-1,2-Dichloroethene	36	
1,1,1-Trichloroethane	0.87	J
Trichloroethene	0.61	J

SAMPLE LOCATION	93-03(1)	
SAMPLE I.D.	BAT-93-03(1)-170418	
SAMPLE DATE	4/18/2017	
VOCs by USEPA Method 8260		
Carbon Disulfide	0.33	J

87-20(0)
87-20(1)
87-21(1)
EW-2
EW-3
EW-4
EW-5
EW-6
93-03(1)
CAYUGA DR. EXT.
CAYUGA DR.
OLD FALLS BLVD.
NIAGARA FALLS BLVD.
WALMORE ROAD
CONRAIL

LEGEND:

- EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL
- U — COMPOUND NOT DETECTED AT DETECTION LIMIT
- **BOLD** — COMPOUND DETECTED AT CONCENTRATION
- J — INDICATES AN ESTIMATED VALUE BELOW DETECTION LIMIT

NOTE:

ALL GROUNDWATER CONCENTRATIONS ARE IN MICROGRAMS PER LITER (µg/L) OR PARTS PER BILLION (PPB).

SCALE
0 300 600 FEET

CB&I

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 2
OFF-SITE GROUNDWATER ANALYTICAL RESULTS
ZONE 1 BEDROCK
APRIL 2017
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

File: O:\Shaw Offices - CAD Files\Latham, NY\156045\156045-B4.dwg
Plot Date/Time: May 11, 2017 - 10:12am
Plotted By: Evan.Schlegel
Xref: Image

Attachment A

Laboratory Analytical Report

April 27, 2017 Service Request No:R1703414

Ms. Cecelia Byers
CB&I Environmental & Infrastructure
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 April 19, 2017
For your reference, these analyses have been assigned our service request number **R1703414.**

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

ALS Environmental

Client: CB&I
Project: Textron Wheatfield
Sample Matrix: Water

Service Request:R1703414
Date Received:4/19/17

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

Nine water samples were received for analysis at ALS Environmental on 04/19/2017. 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.

Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

Sample Receiving Notes:

Sampling was performed by ALS personnel in accordance with ALS Field Sampling SOPs or by client specifications.

Approved by _____ Date 4/27/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-2-170418	Lab ID: R1703414-001					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	2.8		0.32	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.1		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	2.1		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	7.8		0.30	1.0	ug/L	8260C
Chloroform	0.64	J	0.25	1.0	ug/L	8260C
1,1,1-Trichloroethane	2.9		0.36	1.0	ug/L	8260C
Trichloroethene	2.7		0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-3-170418	Lab ID: R1703414-002					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	860		3.2	10	ug/L	8260C
trans-1,2-Dichloroethene	8.4	J	3.3	10	ug/L	8260C
1,1-Dichloroethane	16		2.0	10	ug/L	8260C
cis-1,2-Dichloroethene	1300		3.0	10	ug/L	8260C
1,1,1-Trichloroethane	14		3.6	10	ug/L	8260C
Trichloroethene	4.3	J	2.2	10	ug/L	8260C

CLIENT ID: BAT-EW-4-170418	Lab ID: R1703414-003					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	54		0.32	1.0	ug/L	8260C
Carbon Disulfide	0.30	J	0.22	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.8		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	1.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	69		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.1		0.36	1.0	ug/L	8260C
Trichloroethene	0.85	J	0.22	1.0	ug/L	8260C

CLIENT ID: BAT-EW-5-170418	Lab ID: R1703414-004					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	170		0.64	2.0	ug/L	8260C
Acetone	6.3	J	2.5	10	ug/L	8260C
Carbon Disulfide	0.60	J	0.44	2.0	ug/L	8260C
trans-1,2-Dichloroethene	3.2		0.66	2.0	ug/L	8260C
1,1-Dichloroethane	2.3		0.40	2.0	ug/L	8260C
cis-1,2-Dichloroethene	78		0.60	2.0	ug/L	8260C
1,1,1-Trichloroethane	0.96	J	0.72	2.0	ug/L	8260C
Trichloroethene	1.1	J	0.44	2.0	ug/L	8260C

CLIENT ID: BAT-EW-6-170418	Lab ID: R1703414-005					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Acetone	1.4	J	1.3	5.0	ug/L	8260C
trans-1,2-Dichloroethene	0.64	J	0.33	1.0	ug/L	8260C
1,1-Dichloroethane	0.89	J	0.20	1.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-EW-6-170418	Lab ID: R1703414-005					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	36		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	0.87	J	0.36	1.0	ug/L	8260C
Trichloroethene	0.61	J	0.22	1.0	ug/L	8260C

CLIENT ID: BAT-FB01-170418	Lab ID: R1703414-006					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Acetone	2.4	J	1.3	5.0	ug/L	8260C

CLIENT ID: BAT-93-03(1)170418	Lab ID: R1703414-007					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Carbon Disulfide	0.33	J	0.22	1.0	ug/L	8260C

CLIENT ID: BAT-TB-170418	Lab ID: R1703414-008					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Bromomethane	0.79	BJ	0.29	1.0	ug/L	8260C
Acetone	1.7	J	1.3	5.0	ug/L	8260C

CLIENT ID: BAT-DUP-01-170418	Lab ID: R1703414-009					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	51		0.32	1.0	ug/L	8260C
Acetone	1.4	J	1.3	5.0	ug/L	8260C
Carbon Disulfide	0.39	J	0.22	1.0	ug/L	8260C
trans-1,2-Dichloroethene	1.9		0.33	1.0	ug/L	8260C
1,1-Dichloroethane	1.9		0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	67		0.30	1.0	ug/L	8260C
1,1,1-Trichloroethane	1.2		0.36	1.0	ug/L	8260C
Trichloroethene	0.91	J	0.22	1.0	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: CB&I **Service Request:**R1703414

Project: Textron Wheatfield

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1703414-001	BAT-EW-2-170418	4/18/2017	1010
R1703414-002	BAT-EW-3-170418	4/18/2017	1035
R1703414-003	BAT-EW-4-170418	4/18/2017	1100
R1703414-004	BAT-EW-5-170418	4/18/2017	1115
R1703414-005	BAT-EW-6-170418	4/18/2017	1150
R1703414-006	BAT-FB01-170418	4/18/2017	1200
R1703414-007	BAT-93-03(1)170418	4/18/2017	1225
R1703414-008	BAT-TB-170418	4/18/2017	
R1703414-009	BAT-DUP-01-170418	4/18/2017	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

40472

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	Project Number:
Project Manager: KEVIN CROWLEY	Report CC:
Company/Address: CB&I	
Phone #:	Email:
Sampler's Signature:	Sampler's Printed Name: BOB URBAN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

NUMBER OF CONTAINERS

GC/MS VOAs ○ 8260 ○ 624 ○ CLP | GC/MS SVOAs ○ 8270 ○ 625 | GC VOAs ○ 8021 ○ 601/602 | PESTICIDES ○ 8081 ○ 608 | PCBs ○ 8082 ○ 608 | METALS, TOTAL (List in comments below) | METALS, DISSOLVED (List in comments below) | 6010

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_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	SAMPLING TIME	MATRIX	#	GC/MS VOAs	GC/MS SVOAs	GC VOAs	PESTICIDES	PCBs	METALS, TOTAL	METALS, DISSOLVED	6010	REMARKS
BAT-EW-2-170418		4/18/17	1010	W		X								MS/MSD
BAT-EW-3-170418			1035			X								
BAT-EW-4-170418			1100			X								
BAT-EW-5-170418			1115			X								
BAT-EW-6-170418			1150			X						X		
BAT-FB01-170418			1200			X								
BAT-93-036)170418			1225			X								
BAT-TB-170418		↓		↓										
BAT-DUP-01-170418		4/16/17	—	W	~~1~~ 2	X								

SPECIAL INSTRUCTIONS/COMMENTS
Metals
1631 deleted as per Cecelia Byers ems 4/20/17

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
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:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature	Signature	Signature	
Printed Name: BOB URBAN	Printed Name:	Printed Name	Printed Name	Printed Name	
Firm: AES	Firm: AES	Firm	Firm	Firm	
Date/Time: 4/19/17	Date/Time: 4/19/17 0845	Date/Time	Date/Time	Date/Time	

R1703414 5
CB&I Environmental & Infrastructure
Textron Wheatfield

Distribution: White - Lab Copy; Yellow - Return to Originator

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R1703414 5
CB&I Environmental & Infrastructure
Textron Wheatfield

Cooler Receipt and Preservation Check Form

Project/Client CB+I Folder Number .

Cooler received on 4/19/17 by: @

COURIER: (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: (**Wet Ice**) **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? (ALS/RCC) CLIENT	
7	Soil VOA received as: Bulk Encore 5035set (NA)	

8. Temperature Readings Date: 4/19/17 Time: 0845 ID: (IR#7) IR#8 From: Temp Blank (Sample Bottle)

Observed Temp (°C)	5.1						
Correction Factor (°C)	+0.1						
Corrected Temp (°C)	5.2						
Temp from:Type of bottle	vou vial						
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 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 4/19/17 at 0845
5035 samples placed in storage location: by on at

Cooler Breakdown: Date: 4/19/17 Time: 1202 by: @

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 Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**	4115022	3/18				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 6-195-001, 1091618

Explain all Discrepancies/ Other Comments:

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

Labels secondary reviewed by: @
PC Secondary Review: MM 4/20/17

*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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: 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.

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Accredited	Nebraska Accredited	
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

[1] Analyses were performed according to our laboratoryôs 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 http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

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.

Client: CB&I **Service Request:** R1703414
Project: Textron Wheatfield

Sample Name: BAT-EW-2-170418 **Date Collected:** 04/18/17
Lab Code: R1703414-001 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-EW-3-170418 **Date Collected:** 04/18/17
Lab Code: R1703414-002 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-EW-4-170418 **Date Collected:** 04/18/17
Lab Code: R1703414-003 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-EW-5-170418 **Date Collected:** 04/18/17
Lab Code: R1703414-004 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-EW-6-170418 **Date Collected:** 04/18/17
Lab Code: R1703414-005 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Client: CB&I **Service Request:** R1703414
Project: Textron Wheatfield

Sample Name: BAT-FB01-170418 **Date Collected:** 04/18/17
Lab Code: R1703414-006 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-93-03(1)170418 **Date Collected:** 04/18/17
Lab Code: R1703414-007 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-TB-170418 **Date Collected:** 04/18/17
Lab Code: R1703414-008 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

Sample Name: BAT-DUP-01-170418 **Date Collected:** 04/18/17
Lab Code: R1703414-009 **Date Received:** 04/19/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

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
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www.alsglobal.com

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
www.alsglobal.com

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 10:10
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-2-170418	**Units:**	ug/L
Lab Code:	R1703414-001	**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	04/21/17 16:17	
Vinyl Chloride	**2.8**		1.0	0.32	1	04/21/17 16:17	
Chloroethane	1.0	U	1.0	0.24	1	04/21/17 16:17	
Bromomethane	1.0	U	1.0	0.29	1	04/21/17 16:17	
1,1-Dichloroethene	1.0	U	1.0	0.57	1	04/21/17 16:17	
Acetone	5.0	U	5.0	1.3	1	04/21/17 16:17	
Carbon Disulfide	1.0	U	1.0	0.22	1	04/21/17 16:17	
Methylene Chloride	1.0	U	1.0	0.60	1	04/21/17 16:17	
trans-1,2-Dichloroethene	**1.1**		1.0	0.33	1	04/21/17 16:17	
1,1-Dichloroethane	**2.1**		1.0	0.20	1	04/21/17 16:17	
cis-1,2-Dichloroethene	**7.8**		1.0	0.30	1	04/21/17 16:17	
2-Butanone (MEK)	5.0	U	5.0	0.81	1	04/21/17 16:17	
Chloroform	**0.64**	**J**	1.0	0.25	1	04/21/17 16:17	
1,1,1-Trichloroethane	**2.9**		1.0	0.36	1	04/21/17 16:17	
Carbon Tetrachloride	1.0	U	1.0	0.45	1	04/21/17 16:17	
Benzene	1.0	U	1.0	0.20	1	04/21/17 16:17	
1,2-Dichloroethane	1.0	U	1.0	0.36	1	04/21/17 16:17	
Trichloroethene	**2.7**		1.0	0.22	1	04/21/17 16:17	
1,2-Dichloropropane	1.0	U	1.0	0.20	1	04/21/17 16:17	
Bromodichloromethane	1.0	U	1.0	0.32	1	04/21/17 16:17	
cis-1,3-Dichloropropene	1.0	U	1.0	0.24	1	04/21/17 16:17	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.67	1	04/21/17 16:17	
Toluene	1.0	U	1.0	0.20	1	04/21/17 16:17	
trans-1,3-Dichloropropene	1.0	U	1.0	0.20	1	04/21/17 16:17	
1,1,2-Trichloroethane	1.0	U	1.0	0.34	1	04/21/17 16:17	
Tetrachloroethene	1.0	U	1.0	0.30	1	04/21/17 16:17	
2-Hexanone	5.0	U	5.0	1.7	1	04/21/17 16:17	
Dibromochloromethane	1.0	U	1.0	0.31	1	04/21/17 16:17	
Chlorobenzene	1.0	U	1.0	0.29	1	04/21/17 16:17	
Ethylbenzene	1.0	U	1.0	0.20	1	04/21/17 16:17	
m,p-Xylenes	2.0	U	2.0	0.33	1	04/21/17 16:17	
o-Xylene	1.0	U	1.0	0.20	1	04/21/17 16:17	
Styrene	1.0	U	1.0	0.20	1	04/21/17 16:17	
Bromoform	1.0	U	1.0	0.42	1	04/21/17 16:17	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.25	1	04/21/17 16:17	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 10:10
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-2-170418	**Units:**	ug/L
Lab Code:	R1703414-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	04/21/17 16:17	
Toluene-d8	108	87 - 121	04/21/17 16:17	
Dibromofluoromethane	101	89 - 119	04/21/17 16:17	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 10:35
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-3-170418	**Units:**	ug/L
Lab Code:	R1703414-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Chloromethane	10	U	10	2.1	10	04/21/17 15:25	
Vinyl Chloride	**860**		10	3.2	10	04/21/17 15:25	
Chloroethane	10	U	10	2.4	10	04/21/17 15:25	
Bromomethane	10	U	10	2.9	10	04/21/17 15:25	
1,1-Dichloroethene	10	U	10	5.7	10	04/21/17 15:25	
Acetone	50	U	50	13	10	04/21/17 15:25	
Carbon Disulfide	10	U	10	2.2	10	04/21/17 15:25	
Methylene Chloride	10	U	10	6.0	10	04/21/17 15:25	
trans-1,2-Dichloroethene	**8.4**	**J**	10	3.3	10	04/21/17 15:25	
1,1-Dichloroethane	**16**		10	2.0	10	04/21/17 15:25	
cis-1,2-Dichloroethene	**1300**		10	3.0	10	04/21/17 15:25	
2-Butanone (MEK)	50	U	50	8.2	10	04/21/17 15:25	
Chloroform	10	U	10	2.5	10	04/21/17 15:25	
1,1,1-Trichloroethane	**14**		10	3.6	10	04/21/17 15:25	
Carbon Tetrachloride	10	U	10	4.5	10	04/21/17 15:25	
Benzene	10	U	10	2.0	10	04/21/17 15:25	
1,2-Dichloroethane	10	U	10	3.6	10	04/21/17 15:25	
Trichloroethene	**4.3**	**J**	10	2.2	10	04/21/17 15:25	
1,2-Dichloropropane	10	U	10	2.0	10	04/21/17 15:25	
Bromodichloromethane	10	U	10	3.2	10	04/21/17 15:25	
cis-1,3-Dichloropropene	10	U	10	2.4	10	04/21/17 15:25	
4-Methyl-2-pentanone (MIBK)	50	U	50	6.7	10	04/21/17 15:25	
Toluene	10	U	10	2.0	10	04/21/17 15:25	
trans-1,3-Dichloropropene	10	U	10	2.0	10	04/21/17 15:25	
1,1,2-Trichloroethane	10	U	10	3.4	10	04/21/17 15:25	
Tetrachloroethene	10	U	10	3.0	10	04/21/17 15:25	
2-Hexanone	50	U	50	17	10	04/21/17 15:25	
Dibromochloromethane	10	U	10	3.1	10	04/21/17 15:25	
Chlorobenzene	10	U	10	2.9	10	04/21/17 15:25	
Ethylbenzene	10	U	10	2.0	10	04/21/17 15:25	
m,p-Xylenes	20	U	20	3.3	10	04/21/17 15:25	
o-Xylene	10	U	10	2.0	10	04/21/17 15:25	
Styrene	10	U	10	2.0	10	04/21/17 15:25	
Bromoform	10	U	10	4.2	10	04/21/17 15:25	
1,1,2,2-Tetrachloroethane	10	U	10	2.5	10	04/21/17 15:25	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 10:35
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-3-170418	**Units:**	ug/L
Lab Code:	R1703414-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	04/21/17 15:25	
Toluene-d8	112	87 - 121	04/21/17 15:25	
Dibromofluoromethane	102	89 - 119	04/21/17 15:25	

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 11:00
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-4-170418	**Units:**	ug/L
Lab Code:	R1703414-003	**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	04/21/17 14:59	
Vinyl Chloride	**54**	1.0	0.32	1	04/21/17 14:59	
Chloroethane	1.0 U	1.0	0.24	1	04/21/17 14:59	
Bromomethane	1.0 U	1.0	0.29	1	04/21/17 14:59	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/21/17 14:59	
Acetone	5.0 U	5.0	1.3	1	04/21/17 14:59	
Carbon Disulfide	**0.30 J**	1.0	0.22	1	04/21/17 14:59	
Methylene Chloride	1.0 U	1.0	0.60	1	04/21/17 14:59	
trans-1,2-Dichloroethene	**1.8**	1.0	0.33	1	04/21/17 14:59	
1,1-Dichloroethane	**1.9**	1.0	0.20	1	04/21/17 14:59	
cis-1,2-Dichloroethene	**69**	1.0	0.30	1	04/21/17 14:59	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/21/17 14:59	
Chloroform	1.0 U	1.0	0.25	1	04/21/17 14:59	
1,1,1-Trichloroethane	**1.1**	1.0	0.36	1	04/21/17 14:59	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/21/17 14:59	
Benzene	1.0 U	1.0	0.20	1	04/21/17 14:59	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/21/17 14:59	
Trichloroethene	**0.85 J**	1.0	0.22	1	04/21/17 14:59	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/21/17 14:59	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/21/17 14:59	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/21/17 14:59	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/21/17 14:59	
Toluene	1.0 U	1.0	0.20	1	04/21/17 14:59	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/21/17 14:59	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/21/17 14:59	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/21/17 14:59	
2-Hexanone	5.0 U	5.0	1.7	1	04/21/17 14:59	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/21/17 14:59	
Chlorobenzene	1.0 U	1.0	0.29	1	04/21/17 14:59	
Ethylbenzene	1.0 U	1.0	0.20	1	04/21/17 14:59	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/21/17 14:59	
o-Xylene	1.0 U	1.0	0.20	1	04/21/17 14:59	
Styrene	1.0 U	1.0	0.20	1	04/21/17 14:59	
Bromoform	1.0 U	1.0	0.42	1	04/21/17 14:59	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/21/17 14:59	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 11:00
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-4-170418	**Units:**	ug/L
Lab Code:	R1703414-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	04/21/17 14:59	
Toluene-d8	110	87 - 121	04/21/17 14:59	
Dibromofluoromethane	105	89 - 119	04/21/17 14:59	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 11:15
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-5-170418	**Units:**	ug/L
Lab Code:	R1703414-004	**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	0.42	2	04/24/17 12:38	
Vinyl Chloride	**170**		2.0	0.64	2	04/24/17 12:38	
Chloroethane	2.0	U	2.0	0.48	2	04/24/17 12:38	
Bromomethane	2.0	U	2.0	0.58	2	04/24/17 12:38	
1,1-Dichloroethene	2.0	U	2.0	1.2	2	04/24/17 12:38	
Acetone	**6.3**	**J**	10	2.5	2	04/24/17 12:38	
Carbon Disulfide	**0.60**	**J**	2.0	0.44	2	04/24/17 12:38	
Methylene Chloride	2.0	U	2.0	1.2	2	04/24/17 12:38	
trans-1,2-Dichloroethene	**3.2**		2.0	0.66	2	04/24/17 12:38	
1,1-Dichloroethane	**2.3**		2.0	0.40	2	04/24/17 12:38	
cis-1,2-Dichloroethene	**78**		2.0	0.60	2	04/24/17 12:38	
2-Butanone (MEK)	10	U	10	1.7	2	04/24/17 12:38	
Chloroform	2.0	U	2.0	0.50	2	04/24/17 12:38	
1,1,1-Trichloroethane	**0.96**	**J**	2.0	0.72	2	04/24/17 12:38	
Carbon Tetrachloride	2.0	U	2.0	0.90	2	04/24/17 12:38	
Benzene	2.0	U	2.0	0.40	2	04/24/17 12:38	
1,2-Dichloroethane	2.0	U	2.0	0.72	2	04/24/17 12:38	
Trichloroethene	**1.1**	**J**	2.0	0.44	2	04/24/17 12:38	
1,2-Dichloropropane	2.0	U	2.0	0.40	2	04/24/17 12:38	
Bromodichloromethane	2.0	U	2.0	0.64	2	04/24/17 12:38	
cis-1,3-Dichloropropene	2.0	U	2.0	0.48	2	04/24/17 12:38	
4-Methyl-2-pentanone (MIBK)	10	U	10	1.4	2	04/24/17 12:38	
Toluene	2.0	U	2.0	0.40	2	04/24/17 12:38	
trans-1,3-Dichloropropene	2.0	U	2.0	0.40	2	04/24/17 12:38	
1,1,2-Trichloroethane	2.0	U	2.0	0.68	2	04/24/17 12:38	
Tetrachloroethene	2.0	U	2.0	0.60	2	04/24/17 12:38	
2-Hexanone	10	U	10	3.4	2	04/24/17 12:38	
Dibromochloromethane	2.0	U	2.0	0.62	2	04/24/17 12:38	
Chlorobenzene	2.0	U	2.0	0.58	2	04/24/17 12:38	
Ethylbenzene	2.0	U	2.0	0.40	2	04/24/17 12:38	
m,p-Xylenes	4.0	U	4.0	0.66	2	04/24/17 12:38	
o-Xylene	2.0	U	2.0	0.40	2	04/24/17 12:38	
Styrene	2.0	U	2.0	0.40	2	04/24/17 12:38	
Bromoform	2.0	U	2.0	0.84	2	04/24/17 12:38	
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.50	2	04/24/17 12:38	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 11:15
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-5-170418	**Units:**	ug/L
Lab Code:	R1703414-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	04/24/17 12:38	
Toluene-d8	113	87 - 121	04/24/17 12:38	
Dibromofluoromethane	108	89 - 119	04/24/17 12:38	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 11:50
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-6-170418	**Units:**	ug/L
Lab Code:	R1703414-005	**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	04/21/17 14:07	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/21/17 14:07	
Chloroethane	1.0 U	1.0	0.24	1	04/21/17 14:07	
Bromomethane	1.0 U	1.0	0.29	1	04/21/17 14:07	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/21/17 14:07	
Acetone	**1.4 J**	5.0	1.3	1	04/21/17 14:07	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/21/17 14:07	
Methylene Chloride	1.0 U	1.0	0.60	1	04/21/17 14:07	
trans-1,2-Dichloroethene	**0.64 J**	1.0	0.33	1	04/21/17 14:07	
1,1-Dichloroethane	**0.89 J**	1.0	0.20	1	04/21/17 14:07	
cis-1,2-Dichloroethene	**36**	1.0	0.30	1	04/21/17 14:07	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/21/17 14:07	
Chloroform	1.0 U	1.0	0.25	1	04/21/17 14:07	
1,1,1-Trichloroethane	**0.87 J**	1.0	0.36	1	04/21/17 14:07	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/21/17 14:07	
Benzene	1.0 U	1.0	0.20	1	04/21/17 14:07	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/21/17 14:07	
Trichloroethene	**0.61 J**	1.0	0.22	1	04/21/17 14:07	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/21/17 14:07	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/21/17 14:07	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/21/17 14:07	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/21/17 14:07	
Toluene	1.0 U	1.0	0.20	1	04/21/17 14:07	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/21/17 14:07	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/21/17 14:07	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/21/17 14:07	
2-Hexanone	5.0 U	5.0	1.7	1	04/21/17 14:07	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/21/17 14:07	
Chlorobenzene	1.0 U	1.0	0.29	1	04/21/17 14:07	
Ethylbenzene	1.0 U	1.0	0.20	1	04/21/17 14:07	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/21/17 14:07	
o-Xylene	1.0 U	1.0	0.20	1	04/21/17 14:07	
Styrene	1.0 U	1.0	0.20	1	04/21/17 14:07	
Bromoform	1.0 U	1.0	0.42	1	04/21/17 14:07	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/21/17 14:07	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 11:50
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-EW-6-170418	**Units:**	ug/L
Lab Code:	R1703414-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	04/21/17 14:07	
Toluene-d8	109	87 - 121	04/21/17 14:07	
Dibromofluoromethane	100	89 - 119	04/21/17 14:07	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 12:00
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-FB01-170418	**Units:**	ug/L
Lab Code:	R1703414-006	**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	04/21/17 13:15	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/21/17 13:15	
Chloroethane	1.0 U	1.0	0.24	1	04/21/17 13:15	
Bromomethane	1.0 U	1.0	0.29	1	04/21/17 13:15	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/21/17 13:15	
Acetone	**2.4 J**	5.0	1.3	1	04/21/17 13:15	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/21/17 13:15	
Methylene Chloride	1.0 U	1.0	0.60	1	04/21/17 13:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/21/17 13:15	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	04/21/17 13:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	04/21/17 13:15	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/21/17 13:15	
Chloroform	1.0 U	1.0	0.25	1	04/21/17 13:15	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/21/17 13:15	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/21/17 13:15	
Benzene	1.0 U	1.0	0.20	1	04/21/17 13:15	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/21/17 13:15	
Trichloroethene	1.0 U	1.0	0.22	1	04/21/17 13:15	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/21/17 13:15	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/21/17 13:15	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/21/17 13:15	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/21/17 13:15	
Toluene	1.0 U	1.0	0.20	1	04/21/17 13:15	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/21/17 13:15	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/21/17 13:15	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/21/17 13:15	
2-Hexanone	5.0 U	5.0	1.7	1	04/21/17 13:15	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/21/17 13:15	
Chlorobenzene	1.0 U	1.0	0.29	1	04/21/17 13:15	
Ethylbenzene	1.0 U	1.0	0.20	1	04/21/17 13:15	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/21/17 13:15	
o-Xylene	1.0 U	1.0	0.20	1	04/21/17 13:15	
Styrene	1.0 U	1.0	0.20	1	04/21/17 13:15	
Bromoform	1.0 U	1.0	0.42	1	04/21/17 13:15	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/21/17 13:15	

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 12:00
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-FB01-170418	**Units:**	ug/L
Lab Code:	R1703414-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	04/21/17 13:15	
Toluene-d8	109	87 - 121	04/21/17 13:15	
Dibromofluoromethane	101	89 - 119	04/21/17 13:15	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 12:25
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-93-03(1)170418	**Units:**	ug/L
Lab Code:	R1703414-007	**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	04/21/17 13:41	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/21/17 13:41	
Chloroethane	1.0 U	1.0	0.24	1	04/21/17 13:41	
Bromomethane	1.0 U	1.0	0.29	1	04/21/17 13:41	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/21/17 13:41	
Acetone	5.0 U	5.0	1.3	1	04/21/17 13:41	
Carbon Disulfide	**0.33 J**	1.0	0.22	1	04/21/17 13:41	
Methylene Chloride	1.0 U	1.0	0.60	1	04/21/17 13:41	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/21/17 13:41	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	04/21/17 13:41	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	04/21/17 13:41	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/21/17 13:41	
Chloroform	1.0 U	1.0	0.25	1	04/21/17 13:41	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/21/17 13:41	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/21/17 13:41	
Benzene	1.0 U	1.0	0.20	1	04/21/17 13:41	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/21/17 13:41	
Trichloroethene	1.0 U	1.0	0.22	1	04/21/17 13:41	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/21/17 13:41	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/21/17 13:41	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/21/17 13:41	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/21/17 13:41	
Toluene	1.0 U	1.0	0.20	1	04/21/17 13:41	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/21/17 13:41	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/21/17 13:41	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/21/17 13:41	
2-Hexanone	5.0 U	5.0	1.7	1	04/21/17 13:41	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/21/17 13:41	
Chlorobenzene	1.0 U	1.0	0.29	1	04/21/17 13:41	
Ethylbenzene	1.0 U	1.0	0.20	1	04/21/17 13:41	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/21/17 13:41	
o-Xylene	1.0 U	1.0	0.20	1	04/21/17 13:41	
Styrene	1.0 U	1.0	0.20	1	04/21/17 13:41	
Bromoform	1.0 U	1.0	0.42	1	04/21/17 13:41	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/21/17 13:41	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17 12:25
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-93-03(1)170418	**Units:**	ug/L
Lab Code:	R1703414-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	04/21/17 13:41	
Toluene-d8	111	87 - 121	04/21/17 13:41	
Dibromofluoromethane	103	89 - 119	04/21/17 13:41	

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-TB-170418	**Units:**	ug/L
Lab Code:	R1703414-008	**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	04/21/17 12:46	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/21/17 12:46	
Chloroethane	1.0 U	1.0	0.24	1	04/21/17 12:46	
Bromomethane	**0.79 BJ**	1.0	0.29	1	04/21/17 12:46	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/21/17 12:46	
Acetone	**1.7 J**	5.0	1.3	1	04/21/17 12:46	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/21/17 12:46	
Methylene Chloride	1.0 U	1.0	0.60	1	04/21/17 12:46	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/21/17 12:46	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	04/21/17 12:46	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	04/21/17 12:46	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/21/17 12:46	
Chloroform	1.0 U	1.0	0.25	1	04/21/17 12:46	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/21/17 12:46	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/21/17 12:46	
Benzene	1.0 U	1.0	0.20	1	04/21/17 12:46	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/21/17 12:46	
Trichloroethene	1.0 U	1.0	0.22	1	04/21/17 12:46	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/21/17 12:46	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/21/17 12:46	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/21/17 12:46	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/21/17 12:46	
Toluene	1.0 U	1.0	0.20	1	04/21/17 12:46	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/21/17 12:46	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/21/17 12:46	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/21/17 12:46	
2-Hexanone	5.0 U	5.0	1.7	1	04/21/17 12:46	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/21/17 12:46	
Chlorobenzene	1.0 U	1.0	0.29	1	04/21/17 12:46	
Ethylbenzene	1.0 U	1.0	0.20	1	04/21/17 12:46	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/21/17 12:46	
o-Xylene	1.0 U	1.0	0.20	1	04/21/17 12:46	
Styrene	1.0 U	1.0	0.20	1	04/21/17 12:46	
Bromoform	1.0 U	1.0	0.42	1	04/21/17 12:46	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/21/17 12:46	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-TB-170418	**Units:**	ug/L
Lab Code:	R1703414-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	04/21/17 12:46	
Toluene-d8	112	87 - 121	04/21/17 12:46	
Dibromofluoromethane	110	89 - 119	04/21/17 12:46	

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-DUP-01-170418	**Units:**	ug/L
Lab Code:	R1703414-009	**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	04/21/17 14:33	
Vinyl Chloride	**51**	1.0	0.32	1	04/21/17 14:33	
Chloroethane	1.0 U	1.0	0.24	1	04/21/17 14:33	
Bromomethane	1.0 U	1.0	0.29	1	04/21/17 14:33	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/21/17 14:33	
Acetone	**1.4 J**	5.0	1.3	1	04/21/17 14:33	
Carbon Disulfide	**0.39 J**	1.0	0.22	1	04/21/17 14:33	
Methylene Chloride	1.0 U	1.0	0.60	1	04/21/17 14:33	
trans-1,2-Dichloroethene	**1.9**	1.0	0.33	1	04/21/17 14:33	
1,1-Dichloroethane	**1.9**	1.0	0.20	1	04/21/17 14:33	
cis-1,2-Dichloroethene	**67**	1.0	0.30	1	04/21/17 14:33	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/21/17 14:33	
Chloroform	1.0 U	1.0	0.25	1	04/21/17 14:33	
1,1,1-Trichloroethane	**1.2**	1.0	0.36	1	04/21/17 14:33	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/21/17 14:33	
Benzene	1.0 U	1.0	0.20	1	04/21/17 14:33	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/21/17 14:33	
Trichloroethene	**0.91 J**	1.0	0.22	1	04/21/17 14:33	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/21/17 14:33	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/21/17 14:33	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/21/17 14:33	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/21/17 14:33	
Toluene	1.0 U	1.0	0.20	1	04/21/17 14:33	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/21/17 14:33	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/21/17 14:33	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/21/17 14:33	
2-Hexanone	5.0 U	5.0	1.7	1	04/21/17 14:33	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/21/17 14:33	
Chlorobenzene	1.0 U	1.0	0.29	1	04/21/17 14:33	
Ethylbenzene	1.0 U	1.0	0.20	1	04/21/17 14:33	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/21/17 14:33	
o-Xylene	1.0 U	1.0	0.20	1	04/21/17 14:33	
Styrene	1.0 U	1.0	0.20	1	04/21/17 14:33	
Bromoform	1.0 U	1.0	0.42	1	04/21/17 14:33	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/21/17 14:33	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17
Sample Matrix:	Water	**Date Received:**	04/19/17 08:45
Sample Name:	BAT-DUP-01-170418	**Units:**	ug/L
Lab Code:	R1703414-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	04/21/17 14:33	
Toluene-d8	109	87 - 121	04/21/17 14:33	
Dibromofluoromethane	103	89 - 119	04/21/17 14:33	

QC Summary 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

Volatile Organic Compounds by GC/MS

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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: CB&I **Service Request:** R1703414
Project: Textron Wheatfield
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 89 - 119	Toluene-d8 87 - 121
BAT-EW-2-170418	R1703414-001	100	101	108
BAT-EW-3-170418	R1703414-002	100	102	112
BAT-EW-4-170418	R1703414-003	102	105	110
BAT-EW-5-170418	R1703414-004	107	108	113
BAT-EW-6-170418	R1703414-005	103	100	109
BAT-FB01-170418	R1703414-006	102	101	109
BAT-93-03(1)170418	R1703414-007	103	103	111
BAT-TB-170418	R1703414-008	103	110	112
BAT-DUP-01-170418	R1703414-009	102	103	109
Lab Control Sample	RQ1703566-03	102	102	110
Method Blank	RQ1703566-04	104	104	107
BAT-EW-2-170418 MS	RQ1703566-07	105	102	107
BAT-EW-2-170418 DMS	RQ1703566-08	107	100	109
Lab Control Sample	RQ1703625-03	103	103	113
Method Blank	RQ1703625-04	104	100	109

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	04/18/17
Sample Matrix:	Water	**Date Received:**	04/19/17
		Date Analyzed:	04/21/17

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	BAT-EW-2-170418	**Units:**	ug/L
Lab Code:	R1703414-001	**Basis:**	NA
Analysis Method:	8260C		

		Matrix Spike RQ1703566-07			**Duplicate Matrix Spike** RQ1703566-08					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloromethane	1.0 U	45.8	50.0	92	47.7	50.0	95	55-160	4	30
Vinyl Chloride	2.8	58.8	50.0	112	59.4	50.0	113	60-157	1	30
Chloroethane	1.0 U	47.3	50.0	95	51.8	50.0	104	70-140	9	30
Bromomethane	1.0 U	41.9	50.0	84	44.3	50.0	89	10-162	6	30
1,1-Dichloroethene	1.0 U	48.8	50.0	98	49.4	50.0	99	74-139	1	30
Acetone	5.0 U	55.4	50.0	111	56.5	50.0	113	29-151	2	30
Carbon Disulfide	1.0 U	44.3	50.0	89	47.6	50.0	95	34-162	7	30
Methylene Chloride	1.0 U	53.3	50.0	107	52.7	50.0	105	75-121	1	30
trans-1,2-Dichloroethene	1.1	48.1	50.0	94	50.9	50.0	100	77-125	6	30
1,1-Dichloroethane	2.1	54.3	50.0	104	55.7	50.0	107	74-132	3	30
cis-1,2-Dichloroethene	7.8	58.3	50.0	101	60.9	50.0	106	72-133	4	30
2-Butanone (MEK)	5.0 U	55.9	50.0	112	56.5	50.0	113	46-141	1	30
Chloroform	0.64 J	56.3	50.0	111	55.8	50.0	110	75-130	<1	30
1,1,1-Trichloroethane	2.9	58.0	50.0	110	60.2	50.0	115	74-127	4	30
Carbon Tetrachloride	1.0 U	53.4	50.0	107	53.4	50.0	107	65-135	<1	30
Benzene	1.0 U	50.8	50.0	102	50.4	50.0	101	76-129	<1	30
1,2-Dichloroethane	1.0 U	55.0	50.0	110	53.6	50.0	107	68-130	2	30
Trichloroethene	2.7	55.4	50.0	105	55.3	50.0	105	62-142	<1	30
1,2-Dichloropropane	1.0 U	51.6	50.0	103	51.2	50.0	102	79-124	<1	30
Bromodichloromethane	1.0 U	53.7	50.0	107	54.8	50.0	110	76-127	2	30
cis-1,3-Dichloropropene	1.0 U	47.1	50.0	94	44.0	50.0	88	52-134	7	30
4-Methyl-2-pentanone (MIBK)	5.0 U	56.4	50.0	113	56.6	50.0	113	60-141	<1	30
Toluene	1.0 U	46.1	50.0	92	46.5	50.0	93	79-125	<1	30
trans-1,3-Dichloropropene	1.0 U	48.7	50.0	97	46.2	50.0	92	50-142	5	30
1,1,2-Trichloroethane	1.0 U	53.9	50.0	108	52.0	50.0	104	79-119	4	30
Tetrachloroethene	1.0 U	53.2	50.0	106	51.0	50.0	102	67-137	4	30
2-Hexanone	5.0 U	56.2	50.0	112	56.2	50.0	112	56-132	<1	30
Dibromochloromethane	1.0 U	49.7	50.0	99	50.3	50.0	101	72-128	1	30
Chlorobenzene	1.0 U	47.9	50.0	96	47.7	50.0	95	76-125	<1	30
Ethylbenzene	1.0 U	50.5	50.0	101	52.5	50.0	105	72-134	4	30
m,p-Xylenes	2.0 U	103	100	103	98.2	100	98	68-138	5	30
o-Xylene	1.0 U	50.0	50.0	100	52.5	50.0	105	68-134	5	30
Styrene	1.0 U	52.5	50.0	105	52.8	50.0	106	34-156	<1	30
Bromoform	1.0 U	51.6	50.0	103	51.9	50.0	104	58-133	<1	30
1,1,2,2-Tetrachloroethane	1.0 U	53.6	50.0	107	54.1	50.0	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.

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1703566-04	**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	04/21/17 11:17	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/21/17 11:17	
Chloroethane	1.0 U	1.0	0.24	1	04/21/17 11:17	
Bromomethane	**0.66 J**	1.0	0.29	1	04/21/17 11:17	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/21/17 11:17	
Acetone	5.0 U	5.0	1.3	1	04/21/17 11:17	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/21/17 11:17	
Methylene Chloride	1.0 U	1.0	0.60	1	04/21/17 11:17	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/21/17 11:17	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	04/21/17 11:17	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	04/21/17 11:17	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/21/17 11:17	
Chloroform	1.0 U	1.0	0.25	1	04/21/17 11:17	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/21/17 11:17	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/21/17 11:17	
Benzene	1.0 U	1.0	0.20	1	04/21/17 11:17	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/21/17 11:17	
Trichloroethene	1.0 U	1.0	0.22	1	04/21/17 11:17	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/21/17 11:17	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/21/17 11:17	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/21/17 11:17	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/21/17 11:17	
Toluene	1.0 U	1.0	0.20	1	04/21/17 11:17	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/21/17 11:17	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/21/17 11:17	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/21/17 11:17	
2-Hexanone	5.0 U	5.0	1.7	1	04/21/17 11:17	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/21/17 11:17	
Chlorobenzene	1.0 U	1.0	0.29	1	04/21/17 11:17	
Ethylbenzene	1.0 U	1.0	0.20	1	04/21/17 11:17	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/21/17 11:17	
o-Xylene	1.0 U	1.0	0.20	1	04/21/17 11:17	
Styrene	1.0 U	1.0	0.20	1	04/21/17 11:17	
Bromoform	1.0 U	1.0	0.42	1	04/21/17 11:17	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/21/17 11:17	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1703566-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	04/21/17 11:17	
Toluene-d8	107	87 - 121	04/21/17 11:17	
Dibromofluoromethane	104	89 - 119	04/21/17 11:17	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1703625-04	**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	04/24/17 10:48	
Vinyl Chloride	1.0 U	1.0	0.32	1	04/24/17 10:48	
Chloroethane	1.0 U	1.0	0.24	1	04/24/17 10:48	
Bromomethane	**0.58 J**	1.0	0.29	1	04/24/17 10:48	
1,1-Dichloroethene	1.0 U	1.0	0.57	1	04/24/17 10:48	
Acetone	5.0 U	5.0	1.3	1	04/24/17 10:48	
Carbon Disulfide	1.0 U	1.0	0.22	1	04/24/17 10:48	
Methylene Chloride	1.0 U	1.0	0.60	1	04/24/17 10:48	
trans-1,2-Dichloroethene	1.0 U	1.0	0.33	1	04/24/17 10:48	
1,1-Dichloroethane	1.0 U	1.0	0.20	1	04/24/17 10:48	
cis-1,2-Dichloroethene	1.0 U	1.0	0.30	1	04/24/17 10:48	
2-Butanone (MEK)	5.0 U	5.0	0.81	1	04/24/17 10:48	
Chloroform	1.0 U	1.0	0.25	1	04/24/17 10:48	
1,1,1-Trichloroethane	1.0 U	1.0	0.36	1	04/24/17 10:48	
Carbon Tetrachloride	1.0 U	1.0	0.45	1	04/24/17 10:48	
Benzene	1.0 U	1.0	0.20	1	04/24/17 10:48	
1,2-Dichloroethane	1.0 U	1.0	0.36	1	04/24/17 10:48	
Trichloroethene	1.0 U	1.0	0.22	1	04/24/17 10:48	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	04/24/17 10:48	
Bromodichloromethane	1.0 U	1.0	0.32	1	04/24/17 10:48	
cis-1,3-Dichloropropene	1.0 U	1.0	0.24	1	04/24/17 10:48	
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0	0.67	1	04/24/17 10:48	
Toluene	1.0 U	1.0	0.20	1	04/24/17 10:48	
trans-1,3-Dichloropropene	1.0 U	1.0	0.20	1	04/24/17 10:48	
1,1,2-Trichloroethane	1.0 U	1.0	0.34	1	04/24/17 10:48	
Tetrachloroethene	1.0 U	1.0	0.30	1	04/24/17 10:48	
2-Hexanone	5.0 U	5.0	1.7	1	04/24/17 10:48	
Dibromochloromethane	1.0 U	1.0	0.31	1	04/24/17 10:48	
Chlorobenzene	1.0 U	1.0	0.29	1	04/24/17 10:48	
Ethylbenzene	1.0 U	1.0	0.20	1	04/24/17 10:48	
m,p-Xylenes	2.0 U	2.0	0.33	1	04/24/17 10:48	
o-Xylene	1.0 U	1.0	0.20	1	04/24/17 10:48	
Styrene	1.0 U	1.0	0.20	1	04/24/17 10:48	
Bromoform	1.0 U	1.0	0.42	1	04/24/17 10:48	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.25	1	04/24/17 10:48	

Analytical Report

Client:	CB&I	**Service Request:**	R1703414
Project:	Textron Wheatfield	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1703625-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	04/24/17 10:48	
Toluene-d8	109	87 - 121	04/24/17 10:48	
Dibromofluoromethane	100	89 - 119	04/24/17 10:48	

Client: CB&I
Project: Textron Wheatfield
Sample Matrix: Water

Service Request: R1703414
Date Analyzed: 04/21/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1703566-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	19.1	20.0	95	69-145
Vinyl Chloride	8260C	22.5	20.0	112	69-133
Chloroethane	8260C	18.3	20.0	91	70-127
Bromomethane	8260C	19.9	20.0	99	42-166
1,1-Dichloroethene	8260C	17.8	20.0	89	74-135
Acetone	8260C	19.0	20.0	95	40-161
Carbon Disulfide	8260C	19.3	20.0	97	65-127
Methylene Chloride	8260C	19.9	20.0	99	73-122
trans-1,2-Dichloroethene	8260C	17.9	20.0	90	80-120
1,1-Dichloroethane	8260C	20.4	20.0	102	78-117
cis-1,2-Dichloroethene	8260C	19.8	20.0	99	80-121
2-Butanone (MEK)	8260C	20.9	20.0	104	61-137
Chloroform	8260C	21.1	20.0	106	76-120
1,1,1-Trichloroethane	8260C	20.9	20.0	104	74-120
Carbon Tetrachloride	8260C	21.1	20.0	105	68-125
Benzene	8260C	19.7	20.0	98	76-118
1,2-Dichloroethane	8260C	20.9	20.0	104	71-127
Trichloroethene	8260C	20.4	20.0	102	78-123
1,2-Dichloropropane	8260C	19.6	20.0	98	80-119
Bromodichloromethane	8260C	21.1	20.0	105	78-126
cis-1,3-Dichloropropene	8260C	20.7	20.0	103	74-126
4-Methyl-2-pentanone (MIBK)	8260C	20.9	20.0	104	66-124
Toluene	8260C	19.7	20.0	98	77-120
trans-1,3-Dichloropropene	8260C	21.5	20.0	107	67-135
1,1,2-Trichloroethane	8260C	21.1	20.0	106	82-118
Tetrachloroethene	8260C	19.3	20.0	97	78-124
2-Hexanone	8260C	19.8	20.0	99	63-124
Dibromochloromethane	8260C	19.9	20.0	100	77-128
Chlorobenzene	8260C	18.2	20.0	91	80-121
Ethylbenzene	8260C	18.9	20.0	95	76-120
m,p-Xylenes	8260C	39.4	40.0	99	78-123
o-Xylene	8260C	19.7	20.0	99	80-120
Styrene	8260C	20.7	20.0	104	80-124

Client: CB&I
Project: Textron Wheatfield
Sample Matrix: Water

Service Request: R1703414
Date Analyzed: 04/21/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1703566-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	20.1	20.0	100	71-136
1,1,2,2-Tetrachloroethane	8260C	20.2	20.0	101	78-122

Client: CB&I
Project: Textron Wheatfield
Sample Matrix: Water

Service Request: R1703414
Date Analyzed: 04/24/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1703625-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.2	20.0	91	69-145
Vinyl Chloride	8260C	22.2	20.0	111	69-133
Chloroethane	8260C	18.7	20.0	93	70-127
Bromomethane	8260C	19.3	20.0	96	42-166
1,1-Dichloroethene	8260C	17.9	20.0	89	74-135
Acetone	8260C	23.5	20.0	118	40-161
Carbon Disulfide	8260C	21.2	20.0	106	65-127
Methylene Chloride	8260C	21.0	20.0	105	73-122
trans-1,2-Dichloroethene	8260C	18.7	20.0	93	80-120
1,1-Dichloroethane	8260C	19.5	20.0	98	78-117
cis-1,2-Dichloroethene	8260C	20.2	20.0	101	80-121
2-Butanone (MEK)	8260C	21.3	20.0	107	61-137
Chloroform	8260C	21.4	20.0	107	76-120
1,1,1-Trichloroethane	8260C	21.5	20.0	108	74-120
Carbon Tetrachloride	8260C	20.5	20.0	102	68-125
Benzene	8260C	19.3	20.0	97	76-118
1,2-Dichloroethane	8260C	21.6	20.0	108	71-127
Trichloroethene	8260C	20.0	20.0	100	78-123
1,2-Dichloropropane	8260C	19.3	20.0	96	80-119
Bromodichloromethane	8260C	21.1	20.0	106	78-126
cis-1,3-Dichloropropene	8260C	19.2	20.0	96	74-126
4-Methyl-2-pentanone (MIBK)	8260C	22.8	20.0	114	66-124
Toluene	8260C	19.4	20.0	97	77-120
trans-1,3-Dichloropropene	8260C	20.9	20.0	104	67-135
1,1,2-Trichloroethane	8260C	21.5	20.0	108	82-118
Tetrachloroethene	8260C	19.9	20.0	100	78-124
2-Hexanone	8260C	21.4	20.0	107	63-124
Dibromochloromethane	8260C	20.5	20.0	102	77-128
Chlorobenzene	8260C	18.7	20.0	94	80-121
Ethylbenzene	8260C	20.0	20.0	100	76-120
m,p-Xylenes	8260C	39.0	40.0	97	78-123
o-Xylene	8260C	19.6	20.0	98	80-120
Styrene	8260C	20.4	20.0	102	80-124

Client: CB&I
Project: Textron Wheatfield
Sample Matrix: Water

Service Request: R1703414
Date Analyzed: 04/24/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1703625-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromoform	8260C	20.9	20.0	105	71-136
1,1,2,2-Tetrachloroethane	8260C	19.7	20.0	98	78-122

Appendix G

PFC/PFAS and 1,4-Dioxane Groundwater Sampling Results

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

December 14, 2017

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

Subject: ***Final 2016 Annual Summary and Site Maintenance and Monitoring Report Comments***
PFC/PFAS and 1,4-Dioxane Groundwater Sampling
Textron, Inc.
Site No. 932052
Wheatfield, New York

Dear Mr. Radon:

Aptim Environmental & Infrastructure, Inc. (APTIM) is in receipt of the New York State Department of Environmental Conservation's (the Department) April 5, 2017 and June 5, 2017 comment letters. On behalf of Textron, Inc. (Textron), APTIM has prepared the following assessment of the data collected during the sampling of Monitoring Wells 87-14(0), 87-20(0), 87-17(1), 87-22(1), and 89-15(1) for perfluorinated compounds (PFCs)/perfluoroalkyl substances (PFAS) and 1,4-dioxane as requested in the Department's correspondence.

Per the Department's direction, groundwater samples were collected on October 5, 2017 to determine whether PFCs/PFAS and 1-4-dioxane were present in groundwater at the site. Through a miscommunication in the field, a groundwater sample was collected from Monitoring Well 87-14(1) rather than Monitoring Well 87-14(0). A representative groundwater sample was collected from Monitoring Well 87-14(0) on October 26, 2017.

The groundwater samples collected on October 5, 2017 were sent to the ALS Laboratory in Kelso, Washington, for PFC/PFAS analysis. The samples were extracted on October 19, 2017 within holding times and analyzed on November 1, 2017. Due to a laboratory error, the Lab Control Sample extracted with the field samples was in advertently not spiked. Because of this error, samples were re-extracted on November 8, 2017 (outside holding times) and re-analyzed on November 13, 2017. Both sets of results are included in the data package included in Attachment A. The sample results from the re-extraction were consistent with those from the original extraction; therefore, the results from the original extraction are reported in Table 1. The groundwater samples collected on October 26, 2017 were analyzed without any exceptions; this data package is also included in Attachment A.

Laboratory analysis of the collected samples did not detect any PFCs/PFAS above the current United States Environmental Protection Agency's guidance value of 70 parts per trillion. One groundwater sample, collected from Monitoring Well 87-14(1), did detect 1,4-dioxane above the New York State guidance value

of 50 parts per billion. All of the other sampled locations, including monitoring 89-15(1) which is downgradient of monitoring well 87-14(1), reported concentrations significantly below the guidance value. The groundwater analytical data are summarized in Table 1, and complete analytical data packages are included as Attachment A. All other sampled locations were significantly less than the New York State Groundwater Quality Standards.

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

Sincerely,

Cecelia Byers

Cecelia Byers
Project Manager 1

CB:lmk
Attachments: Table
Appendix A – Analytical Reports

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, New York
October 2017

SAMPLE LOCATION	New York State Groundwater Quality Standard	87-14(0)	87-14(0)	87-20(0)	87-14(1)	87-14(1)		87-14(1)	
SAMPLE I.D.		BAT-87-20(0)-171026	BAT-DUP-2-171026	BAT-87-20(0)-171005	BAT-87-14(1)-171005	BAT-87-14(1)-171005 MS		BAT-87-14(1)-171005 MSD	
SAMPLE DATE		10/26/2017	10/262017	10/5/2017	10/5/2017	10/5/2017		10/5/2017	
PFCs/PFAS by USEPA Method 537						Matrix Spike		Matrix Spike Duplicate	
						% Rec.	QC Lim	% Rec.	QC Lim
Perfluorobutane sulfonic acid (PFBS)	0.070*	0.0014 J	0.0014 J	0.0041 J	0.00090 U	*81*	*48-164*	*77*	*48-164*
Perfluoroheptanoic acid (PFHpA)	0.070*	0.0021 J	0.0021 J	0.0027 J	0.0012 U	*70*	*46-153*	*69*	*46-153*
Perfluorohexane sulfonic acid (PFHxS)	0.070*	0.0017 J	0.0010 J	0.0020 J	0.00094 U	*63*	*46-145*	*60*	*46-145*
Perfluorooctanoic acid (PFOA)	0.070*	0.0060	0.0068	0.0058	0.0023	*84*	*52-147*	*81*	*52-147*
Perfluorononanoic acid (PFNA)	0.070*	0.0042 U	0.0042 U	0.0015 J	0.00094 U	*74*	*47-155*	*78*	*47-155*
Perfluorooctane sulfonic acid (PFOS)	0.070*	0.0024 J	0.0024 J	0.0089	0.0010 U	*60*	*29-162*	*56*	*29-162*
SVOCs by USEPA Method 8270-SIM						Matrix Spike		Matrix Spike Duplicate	
						% Rec.	QC Lim	% Rec.	QC Lim
1,4-Dioxane	50	0.032 J	0.040 U	0.040 U	65	*89 #*	*33-146*	*89 #*	*33-146*

Notes:

All concentrations reported in micrograms per liter or parts per billion.

U = Compound not detected at detection limit.

Bold = Compound detected at concentration.

J = Indicates an estimated value below detection limit.

= Indicates that control criteria are not applicable.

* = Guidance value is equal to sum of compounds.

Table 1
Summary of Groundwater Analytical Data
Former Textron, Inc.
Wheatfield, New York
October 2017

SAMPLE LOCATION	New York State Groundwater Quality Standard	87-17(1)	87-17(1)	87-22(1)	89-15(1)	FIELD BLANK
SAMPLE I.D.		BAT-87-17(1)-171005	BAT-DUP-1-171005	BAT-87-22(1)-171005	BAT-89-15(1)-171005	BAT-FB-3-160427
SAMPLE DATE		10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017
PFCs/PFAS by USEPA Method 537		Extracted 10/19/17	Extracted 10/19/17	Extracted 10/19/17	Extracted 10/19/17	Extracted 10/19/17
Perfluorobutane sulfonic acid (PFBS)	0.070*	0.0029 J	0.0035 J	0.0013 J	0.00090 U	0.00090 U
Perfluoroheptanoic acid (PFHpA)	0.070*	0.0025 J	0.0029 J	0.0012 U	0.0038 J	0.0012 U
Perfluorohexane sulfonic acid (PFHxS)	0.070*	0.0035 J	0.0032 J	0.00094 U	0.0038 J	0.00094 U
Perfluorooctanoic acid (PFOA)	0.070*	0.0030	0.0030	0.00094 J	0.0051	0.00078 J
Perfluorononanoic acid (PFNA)	0.070*	0.00094 U	0.00094 U	0.00094 U	0.0011 J	0.00094 U
Perfluorooctane sulfonic acid (PFOS)	0.070*	0.0017 J	0.0015 J	0.0010 U	0.0033 J	0.0010 U
SVOCs by USEPA Method 8270-SIM						
1,4-Dioxane	50	0.94	0.97	1.1	0.46	1.0 U

Notes:

All concentrations reported in micrograms per liter or parts per billion.

U = Compound not detected at detection limit.

Bold = Compound detected at concentration.

J = Indicates an estimated value below detection limit.

= Indicates that control criteria are not applicable.

* = Guidance value is equal to sum of compounds.

Attachment A

Analytical Reports

November 20, 2017 Service Request No:R1709515

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 05, 2017
For your reference, these analyses have been assigned our service request number **R1709515.**

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

1565 Jefferson Rd, Building 300, Rochester, NY 14623 | 585-288-5380 | www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request:R1709515
Date Received:10/5/17

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 IV, validation deliverables including all summary forms and associated raw data. 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

Seven Water samples were received for analysis at ALS Environmental on 10/05/2017. 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.

Semi-Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

One or more samples were subcontracted to another laboratory for testing. The certified analytical report from the subcontractor has been included in its entirety at the end of this report and includes the name and address of the subcontracted laboratory.

Approved by _____ Date 11/20/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-22 (1)-171005	Lab ID: R1709515-002					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,4-Dioxane	1.1		0.027	0.040	ug/L	8270D

CLIENT ID: BAT-87-17 (1)-171005	Lab ID: R1709515-003					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,4-Dioxane	0.94		0.027	0.040	ug/L	8270D

CLIENT ID: BAT-87-14 (1)-171005	Lab ID: R1709515-004					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,4-Dioxane	65		0.027	0.040	ug/L	8270D

CLIENT ID: BAT-89-15 (1)-171005	Lab ID: R1709515-006					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,4-Dioxane	0.46		0.027	0.040	ug/L	8270D

CLIENT ID: BAT-DUP-01-171005	Lab ID: R1709515-007					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,4-Dioxane	0.97		0.027	0.040	ug/L	8270D

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 **Service Request:**R1709515

Project: Textron Wheatfield/156045

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1709515-001	BAT-87-20 (0)-171005	10/5/2017	1010
R1709515-002	BAT-87-22 (1)-171005	10/5/2017	1050
R1709515-003	BAT-87-17 (1)-171005	10/5/2017	1140
R1709515-004	BAT-87-14 (1)-171005	10/5/2017	1215
R1709515-005	Field Blank	10/5/2017	1200
R1709515-006	BAT-89-15 (1)-171005	10/5/2017	1245
R1709515-007	BAT-DUP-01-171005	10/5/2017	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

46401

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 6

Project Name: TEXTRON	Project Number: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM INC. 13 BRITISH AMERICAN BLVD. LATHAM, NY 12110	
Phone #: (518) 783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature:	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	1,4-DIOXANE (8270)	PFCs (PFAS) (537)
BAT-87-20(0)-171005		10/5/17	1010	GW	3								X	X
BAT-87-22(1)-171005			1050		3								X	X
BAT-87-17(1)-171005			1140		3								X	X
BAT-87-14(1)-171005			1215		3								X	X
BAT-87-14(1)-171005 MS			↓		3								X	X
BAT-87-14(1)-171005 MSD			↓	↓	3								X	X
FIELD BLANK			1200	—	1								X	X
BAT-89-15(1)-171005		↓	1245	GW	3								X	X
BAT-DUP-01-171005		10/5/17	—	GW	3								X	X

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

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
Signature:	Signature:	Signature:	Signature:	Signature	
Printed Name: KEVIN CRONIN	Printed Name: BOB LUBAN	Printed Name: BOB LUBAN	Printed Name: DANIEL WARC	Printed Name	
Firm: APTIM, INC	Firm: ALS	Firm: ALS	Firm: ALS	Firm	
Date/Time: 10/5/17 1310	Date/Time: 10/5/17 1310	Date/Time: 10/5/17 —	Date/Time: 10/5/17 1522	Date/Time	

R1709515 5
APTIM, Inc
Textron Wheatfield

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Cooler Receipt and Preservation Check Form

R1709515 5

APTIM, Inc
Textron Wheatfield

Project/Client APTIM Inc. Folder Number R17-9515

Cooler received on 10/5/17 by: DH

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC (CLIENT)
4	Circle: Wet Ice Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 10/5/17 Time: 1525 ID: IR#7 IR#8 From: Temp Blank Sample Bottle

Observed Temp (°C)	15.4°						
Correction Factor (°C)	+1.5°						
Corrected Temp (°C)	16.9°						
Temp from:Type of bottle	Centrifuge						
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 Same Day Rule

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

All samples held in storage location: R002 by: DH on 10/5/17 at 1525
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 10/7/17 Time: 0915 by: DH

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 (N/A)
13.	Air Samples: Cassettes / Tubes Intact	Canisters Pressurized	Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: Client, 07017-1BMC

Explain all Discrepancies/ Other Comments:

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

Labels secondary reviewed by: DH

PC Secondary Review: JMS 10/9/17

*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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: 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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Accredited	Nebraska Accredited	
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

[1] Analyses were performed according to our laboratoryôs 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 http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

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.

Client: APTIM, Inc **Service Request:** R1709515
Project: Textron Wheatfield/156045

Sample Name: BAT-87-20 (0)-171005 **Date Collected:** 10/5/17
Lab Code: R1709515-001 **Date Received:** 10/5/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JMISIUREWICZ	MPEDRO

Sample Name: BAT-87-22 (1)-171005 **Date Collected:** 10/5/17
Lab Code: R1709515-002 **Date Received:** 10/5/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JMISIUREWICZ	MPEDRO

Sample Name: BAT-87-17 (1)-171005 **Date Collected:** 10/5/17
Lab Code: R1709515-003 **Date Received:** 10/5/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JMISIUREWICZ	MPEDRO

Sample Name: BAT-87-14 (1)-171005 **Date Collected:** 10/5/17
Lab Code: R1709515-004 **Date Received:** 10/5/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JMISIUREWICZ	MPEDRO

Sample Name: BAT-89-15 (1)-171005 **Date Collected:** 10/5/17
Lab Code: R1709515-006 **Date Received:** 10/5/17
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JMISIUREWICZ	MPEDRO

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045		

Sample Name:	BAT-DUP-01-171005	**Date Collected:**	10/5/17
Lab Code:	R1709515-007	**Date Received:**	10/5/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JMISIUREWICZ	JMISIUREWICZ

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
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Semivolatile Organic Compounds by GC/MS

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www.alsglobal.com

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 10:10
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-20 (0)-171005	**Units:**	ug/L
Lab Code:	R1709515-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.027	1	10/10/17 11:48	10/10/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	86	64 - 124	10/10/17 11:48	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 10:50
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-22 (1)-171005	**Units:**	ug/L
Lab Code:	R1709515-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**1.1**	0.040	0.027	1	10/10/17 12:07	10/10/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	85	64 - 124	10/10/17 12:07	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 11:40
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-17 (1)-171005	**Units:**	ug/L
Lab Code:	R1709515-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.94**	0.040	0.027	1	10/10/17 12:25	10/10/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	78	64 - 124	10/10/17 12:25	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 12:15
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-14 (1)-171005	**Units:**	ug/L
Lab Code:	R1709515-004	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**65**	0.040	0.027	1	10/10/17 12:43	10/10/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	113	64 - 124	10/10/17 12:43	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 12:45
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-89-15 (1)-171005	**Units:**	ug/L
Lab Code:	R1709515-006	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.46**	0.040	0.027	1	10/10/17 13:40	10/10/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	86	64 - 124	10/10/17 13:40	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-DUP-01-171005	**Units:**	ug/L
Lab Code:	R1709515-007	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.97**	0.040	0.027	1	10/12/17 14:25	10/12/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	80	64 - 124	10/12/17 14:25	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Semivolatile Organic Compounds by GC/MS

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www.alsglobal.com

Client: APTIM, Inc **Service Request:** R1709515
Project: Textron Wheatfield/156045
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
1,4-Dioxane by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3535A

Sample Name	Lab Code	1,4-Dioxane-d8 64 - 124
BAT-87-20 (0)-171005	R1709515-001	86
BAT-87-22 (1)-171005	R1709515-002	85
BAT-87-17 (1)-171005	R1709515-003	78
BAT-87-14 (1)-171005	R1709515-004	113
BAT-89-15 (1)-171005	R1709515-006	86
BAT-DUP-01-171005	R1709515-007	80
Method Blank	RQ1710325-01	82
Lab Control Sample	RQ1710325-02	84
Duplicate Lab Control Sample	RQ1710325-03	87
BAT-87-14 (1)-171005 MS	RQ1710325-04	110
BAT-87-14 (1)-171005 DMS	RQ1710325-05	105
Method Blank	RQ1710442-01	75
Lab Control Sample	RQ1710442-02	79
Duplicate Lab Control Sample	RQ1710442-03	78

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17
Sample Matrix:	Water	**Date Received:**	10/05/17
		Date Analyzed:	10/10/17
		Date Extracted:	10/10/17

Duplicate Matrix Spike Summary
1,4-Dioxane by GC/MS

Sample Name:	BAT-87-14 (1)-171005	**Units:**	ug/L
Lab Code:	R1709515-004	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3535A		

		Matrix Spike RQ1710325-04			**Duplicate Matrix Spike** RQ1710325-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	65	74.4	10.1	89 #	74.4	10.1	89 #	33-146	<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.

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1710325-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.027	1	10/10/17 10:51	10/10/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	82	64 - 124	10/10/17 10:51	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1710442-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.027	1	10/12/17 13:27	10/12/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	75	64 - 124	10/12/17 13:27	

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1709515
Date Analyzed: 10/10/17

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1710325-02			RQ1710325-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270D	8.67	10.1	86	9.22	10.1	92	60-119	6	30

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1709515
Date Analyzed: 10/12/17

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1710442-02			RQ1710442-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270D	8.52	10.1	85	8.79	10.1	87	60-119	3	30

Subcontracted Analytical Parameters

ALS Environmental—Rochester Laboratory
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November 17, 2017 **Analytical Report for Service Request No:** R1709515

Janice Jaeger
ALS Environmental
1565 Jefferson Rd, Building 300
Suite 360
Rochester, NY 14623

RE: Textron Wheatfield / 156045

Dear Janice Jaeger,

Enclosed are the results of the sample(s) submitted to our laboratory October 05, 2017
For your reference, these analyses have been assigned our service request number **R1709515.**

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 3364. You may also contact me via email at howard.holmes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Howard Holmes
Project Manager

RIGHT SOLUTIONS | RIGHT PARTNER

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State Certifications, Accreditations, And Licenses
Case Narrative
Chain of Custody
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLCMS

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
LOD	Limit of Detection
LOQ	Limit of Quantitation
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.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS ENVIRONMENTAL

Client:	APTIM, Inc	**Service Request No.:**	R1709515
Project:	Textron Wheatfield/156045	**Date Received:**	10/12/17
Sample Matrix:	Water		

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. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Control Sample (LCS), and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

Sample Receipt

Seven water samples were received for analysis at ALS Environmental on 10/12/17. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4ºC upon receipt at the laboratory.

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Holding Time Exceptions:
The extraction of all field samples was initially performed within the preparation holding time. Due to a laboratory error, the Lab Control Sample (LCS) extracted with the field samples was inadvertently not spiked. Insufficient sample volume remained to perform a re-extraction of sample Field Blank. All other associated field samples were re-extracted 20 days past the preparation holding time. The sample results from the re-extraction were consistent with those from the original extraction. The results from both extractions were reported. The data from the re-extraction was flagged to indicate the holding time violation. No further corrective action was feasible.

No other anomalies associated with the analysis of these samples were observed.

Approved by

Chain of Custody

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Intra-Network Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Janice Jaeger

Project Name: Textron Wheatfield
Project Number: 156045
Project Manager: Cecelia Byers
Company: APTIM, Inc
QAP: LAB QAP

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	PFOA PFC/537M
R1709515-001	BAT-87-20 (0)-171005	2	Water	10/5/17	1010	10/5/17	KELSO	II
R1709515-002	BAT-87-22 (1)-171005	2	Water	10/5/17	1050	10/5/17	KELSO	II
R1709515-003	BAT-87-17 (1)-171005	2	Water	10/5/17	1140	10/5/17	KELSO	II
R1709515-004	BAT-87-14 (1)-171005	2	Water	10/5/17	1215	10/5/17	KELSO	II
R1709515-005	Field Blank	1	Water	10/5/17	1200	10/5/17	KELSO	II
R1709515-006	BAT-89-15 (1)-171005	2	Water	10/5/17	1245	10/5/17	KELSO	II
R1709515-007	BAT-DUP-01-171005	2	Water	10/5/17		10/5/17	KELSO	II

Test Comments

PFOA - PFC/537M R1709515-001 PFBS,PFHpA,PFHxS,PFOA,PFOS,PFNA

Run QC on sample R1709515-004 for PFC/537M/PFOA

Special Instructions/Comments

DEC EQUIS

NPDES

pH Checked _____

Turnaround Requirements

_____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

X **STANDARD**

Requested FAX Date: _____

Requested Report Date: 10/16/17

Report Requirements

____ I. Results Only

X II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD Y

Invoice Information

PO# 58R1709515

Bill to

Relinquished By: _____ 10-11-17 13:30

Received By: Maresa Hall 10-12-17 09:30

Airbill Number: _____

R1709515

Ship To: KELSO
ALS Environmental
1317 South 13th Avenue
Kelso, WA 98626

PC _____ Date 10/9/17
SMO _____ Date 10-11-17

Instructions:
Ice X
Dry Ice _____
No Ice _____

Shipping:
Overnight X
2nd Day _____
Ground _____

Bill to Client Account _____

Comments:

ALS - Roch

PC_____

Cooler Receipt and Preservation Form

Client ~~Exxon Wheatfield~~ Service Request *K17*_____

Received: 10/12/17 Opened: 10/12/17 By: MH Unloaded: 10/12/17 By: MH

1. Samples were received via? *USPS* (*Fed Ex*) *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 1 front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? MH (Y) N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
-0.6	-0.6	———	———	0.0	364		6926 8022 6985	

4. Packing material: *Inserts* (*Baggies*) *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* Paper
5. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
6. Were samples received in good condition (temperature, unbroken)? *Indicate in the table below.* NA (Y) N
   If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA (Y) N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
12. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

*Notes, Discrepancies, & Resolutions:*_____

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

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Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 10:10
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-20 (0)-171005	**Units:**	ng/L
Lab Code:	R1709515-001	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**4.1 J**	4.2	0.90	1	11/01/17 08:00	10/19/17	
Perfluoroheptanoic acid (PFHpA)	**2.7 J**	4.2	1.2	1	11/01/17 08:00	10/19/17	
Perfluorohexane sulfonic acid (PFHxS)	**2.0 J**	4.2	0.94	1	11/01/17 08:00	10/19/17	
Perfluorooctanoic acid (PFOA)	**5.8**	1.7	0.46	1	11/01/17 08:00	10/19/17	
Perfluorononanoic acid (PFNA)	**1.5 J**	4.2	0.94	1	11/01/17 08:00	10/19/17	
Perfluorooctane sulfonic acid (PFOS)	**8.9**	4.2	1.0	1	11/01/17 08:00	10/19/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	98	26 - 144	11/01/17 08:00	
13C4-PFOA	109	31 - 142	11/01/17 08:00	
13C5-PFNA	107	27 - 146	11/01/17 08:00	
13C4-PFOS	105	27 - 142	11/01/17 08:00	
13C4-PFHpA	90	20 - 153	11/01/17 08:00	
13C3-PFBS	80	10 - 122	11/01/17 08:00	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 10:10
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-20 (0)-171005	**Units:**	ng/L
Lab Code:	R1709515-001	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**4.7**	4.1	0.90	1	11/13/17 16:23	11/8/17	*
Perfluoroheptanoic acid (PFHpA)	**3.4 J**	4.1	1.2	1	11/13/17 16:23	11/8/17	*
Perfluorohexane sulfonic acid (PFHxS)	**2.5 J**	4.1	0.94	1	11/13/17 16:23	11/8/17	*
Perfluorooctanoic acid (PFOA)	**7.1**	1.6	0.46	1	11/13/17 16:23	11/8/17	*
Perfluorononanoic acid (PFNA)	**2.2 J**	4.1	0.94	1	11/13/17 16:23	11/8/17	*
Perfluorooctane sulfonic acid (PFOS)	**9.9**	4.1	1.0	1	11/13/17 16:23	11/8/17	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	62	26 - 144	11/13/17 16:23	
13C4-PFOA	69	31 - 142	11/13/17 16:23	
13C5-PFNA	80	27 - 146	11/13/17 16:23	
13C4-PFOS	80	27 - 142	11/13/17 16:23	
13C4-PFHpA	69	20 - 153	11/13/17 16:23	
13C3-PFBS	72	10 - 122	11/13/17 16:23	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 10:50
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-22 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-002	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**1.3**	**J**	4.2	0.90	1	11/01/17 08:11	10/19/17	
Perfluoroheptanoic acid (PFHpA)	ND	U	4.2	1.2	1	11/01/17 08:11	10/19/17	
Perfluorohexane sulfonic acid (PFHxS)	ND	U	4.2	0.94	1	11/01/17 08:11	10/19/17	
Perfluorooctanoic acid (PFOA)	**0.94**	**J**	1.7	0.46	1	11/01/17 08:11	10/19/17	
Perfluorononanoic acid (PFNA)	ND	U	4.2	0.94	1	11/01/17 08:11	10/19/17	
Perfluorooctane sulfonic acid (PFOS)	ND	U	4.2	1.0	1	11/01/17 08:11	10/19/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	104	26 - 144	11/01/17 08:11	
13C4-PFOA	85	31 - 142	11/01/17 08:11	
13C5-PFNA	99	27 - 146	11/01/17 08:11	
13C4-PFOS	98	27 - 142	11/01/17 08:11	
13C4-PFHpA	101	20 - 153	11/01/17 08:11	
13C3-PFBS	82	10 - 122	11/01/17 08:11	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 10:50
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-22 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-002	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**1.3**	**J**	4.1	0.90	1	11/13/17 16:34	11/8/17	*
Perfluoroheptanoic acid (PFHpA)	ND	U	4.1	1.2	1	11/13/17 16:34	11/8/17	*
Perfluorohexane sulfonic acid (PFHxS)	ND	U	4.1	0.94	1	11/13/17 16:34	11/8/17	*
Perfluorooctanoic acid (PFOA)	**0.61**	**J**	1.6	0.46	1	11/13/17 16:34	11/8/17	*
Perfluorononanoic acid (PFNA)	ND	U	4.1	0.94	1	11/13/17 16:34	11/8/17	*
Perfluorooctane sulfonic acid (PFOS)	ND	U	4.1	1.0	1	11/13/17 16:34	11/8/17	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	75	26 - 144	11/13/17 16:34	
13C4-PFOA	80	31 - 142	11/13/17 16:34	
13C5-PFNA	85	27 - 146	11/13/17 16:34	
13C4-PFOS	66	27 - 142	11/13/17 16:34	
13C4-PFHpA	61	20 - 153	11/13/17 16:34	
13C3-PFBS	69	10 - 122	11/13/17 16:34	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 11:40
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-17 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-003	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**2.9 J**	4.2	0.90	1	11/01/17 08:21	10/19/17	
Perfluoroheptanoic acid (PFHpA)	**2.5 J**	4.2	1.2	1	11/01/17 08:21	10/19/17	
Perfluorohexane sulfonic acid (PFHxS)	**3.5 J**	4.2	0.94	1	11/01/17 08:21	10/19/17	
Perfluorooctanoic acid (PFOA)	**3.0**	1.7	0.46	1	11/01/17 08:21	10/19/17	
Perfluorononanoic acid (PFNA)	ND U	4.2	0.94	1	11/01/17 08:21	10/19/17	
Perfluorooctane sulfonic acid (PFOS)	**1.7 J**	4.2	1.0	1	11/01/17 08:21	10/19/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	104	26 - 144	11/01/17 08:21	
13C4-PFOA	82	31 - 142	11/01/17 08:21	
13C5-PFNA	83	27 - 146	11/01/17 08:21	
13C4-PFOS	89	27 - 142	11/01/17 08:21	
13C4-PFHpA	90	20 - 153	11/01/17 08:21	
13C3-PFBS	76	10 - 122	11/01/17 08:21	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 11:40
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-17 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-003	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**3.7 J**	4.1	0.90	1	11/13/17 16:44	11/8/17	*
Perfluoroheptanoic acid (PFHpA)	**2.8 J**	4.1	1.2	1	11/13/17 16:44	11/8/17	*
Perfluorohexane sulfonic acid (PFHxS)	**3.5 J**	4.1	0.94	1	11/13/17 16:44	11/8/17	*
Perfluorooctanoic acid (PFOA)	**2.9**	1.6	0.46	1	11/13/17 16:44	11/8/17	*
Perfluorononanoic acid (PFNA)	ND U	4.1	0.94	1	11/13/17 16:44	11/8/17	*
Perfluorooctane sulfonic acid (PFOS)	**1.0 J**	4.1	1.0	1	11/13/17 16:44	11/8/17	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	83	26 - 144	11/13/17 16:44	
13C4-PFOA	88	31 - 142	11/13/17 16:44	
13C5-PFNA	83	27 - 146	11/13/17 16:44	
13C4-PFOS	79	27 - 142	11/13/17 16:44	
13C4-PFHpA	72	20 - 153	11/13/17 16:44	
13C3-PFBS	77	10 - 122	11/13/17 16:44	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 12:15
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-14 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-004	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.2	0.90	1	11/01/17 08:32	10/19/17	
Perfluoroheptanoic acid (PFHpA)	ND U	4.2	1.2	1	11/01/17 08:32	10/19/17	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.2	0.94	1	11/01/17 08:32	10/19/17	
Perfluorooctanoic acid (PFOA)	**2.3**	1.7	0.46	1	11/01/17 08:32	10/19/17	
Perfluorononanoic acid (PFNA)	ND U	4.2	0.94	1	11/01/17 08:32	10/19/17	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.2	1.0	1	11/01/17 08:32	10/19/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	88	26 - 144	11/01/17 08:32	
13C4-PFOA	100	31 - 142	11/01/17 08:32	
13C5-PFNA	107	27 - 146	11/01/17 08:32	
13C4-PFOS	101	27 - 142	11/01/17 08:32	
13C4-PFHpA	82	20 - 153	11/01/17 08:32	
13C3-PFBS	75	10 - 122	11/01/17 08:32	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 12:15
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-87-14 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-004	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.1	0.90	1	11/13/17 16:55	11/8/17	*
Perfluoroheptanoic acid (PFHpA)	**1.2 J**	4.1	1.2	1	11/13/17 16:55	11/8/17	*
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.1	0.94	1	11/13/17 16:55	11/8/17	*
Perfluorooctanoic acid (PFOA)	**2.4**	1.6	0.46	1	11/13/17 16:55	11/8/17	*
Perfluorononanoic acid (PFNA)	ND U	4.1	0.94	1	11/13/17 16:55	11/8/17	*
Perfluorooctane sulfonic acid (PFOS)	ND U	4.1	1.0	1	11/13/17 16:55	11/8/17	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	80	26 - 144	11/13/17 16:55	
13C4-PFOA	81	31 - 142	11/13/17 16:55	
13C5-PFNA	87	27 - 146	11/13/17 16:55	
13C4-PFOS	88	27 - 142	11/13/17 16:55	
13C4-PFHpA	71	20 - 153	11/13/17 16:55	
13C3-PFBS	78	10 - 122	11/13/17 16:55	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 12:00
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	Field Blank	**Units:**	ng/L
Lab Code:	R1709515-005	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.2	0.90	1	11/01/17 09:03	10/19/17	
Perfluoroheptanoic acid (PFHpA)	ND U	4.2	1.2	1	11/01/17 09:03	10/19/17	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.2	0.94	1	11/01/17 09:03	10/19/17	
Perfluorooctanoic acid (PFOA)	**0.78 J**	1.7	0.46	1	11/01/17 09:03	10/19/17	
Perfluorononanoic acid (PFNA)	ND U	4.2	0.94	1	11/01/17 09:03	10/19/17	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.2	1.0	1	11/01/17 09:03	10/19/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	118	26 - 144	11/01/17 09:03	
13C4-PFOA	97	31 - 142	11/01/17 09:03	
13C5-PFNA	109	27 - 146	11/01/17 09:03	
13C4-PFOS	109	27 - 142	11/01/17 09:03	
13C4-PFHpA	114	20 - 153	11/01/17 09:03	
13C3-PFBS	85	10 - 122	11/01/17 09:03	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 12:45
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-89-15 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-006	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.2	0.90	1	11/01/17 09:13	10/19/17	
Perfluoroheptanoic acid (PFHpA)	**3.8 J**	4.2	1.2	1	11/01/17 09:13	10/19/17	
Perfluorohexane sulfonic acid (PFHxS)	**3.8 J**	4.2	0.94	1	11/01/17 09:13	10/19/17	
Perfluorooctanoic acid (PFOA)	**5.1**	1.7	0.46	1	11/01/17 09:13	10/19/17	
Perfluorononanoic acid (PFNA)	**1.1 J**	4.2	0.94	1	11/01/17 09:13	10/19/17	
Perfluorooctane sulfonic acid (PFOS)	**3.3 J**	4.2	1.0	1	11/01/17 09:13	10/19/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	41	26 - 144	11/01/17 09:13	
13C4-PFOA	50	31 - 142	11/01/17 09:13	
13C5-PFNA	51	27 - 146	11/01/17 09:13	
13C4-PFOS	42	27 - 142	11/01/17 09:13	
13C4-PFHpA	42	20 - 153	11/01/17 09:13	
13C3-PFBS	45	10 - 122	11/01/17 09:13	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17 12:45
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-89-15 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-006	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**1.8 J**	4.1	0.90	1	11/13/17 17:26	11/8/17	*
Perfluoroheptanoic acid (PFHpA)	**2.4 J**	4.1	1.2	1	11/13/17 17:26	11/8/17	*
Perfluorohexane sulfonic acid (PFHxS)	**5.1**	4.1	0.94	1	11/13/17 17:26	11/8/17	*
Perfluorooctanoic acid (PFOA)	**3.3**	1.6	0.46	1	11/13/17 17:26	11/8/17	*
Perfluorononanoic acid (PFNA)	ND U	4.1	0.94	1	11/13/17 17:26	11/8/17	*
Perfluorooctane sulfonic acid (PFOS)	**1.3 J**	4.1	1.0	1	11/13/17 17:26	11/8/17	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	65	26 - 144	11/13/17 17:26	
13C4-PFOA	72	31 - 142	11/13/17 17:26	
13C5-PFNA	83	27 - 146	11/13/17 17:26	
13C4-PFOS	81	27 - 142	11/13/17 17:26	
13C4-PFHpA	67	20 - 153	11/13/17 17:26	
13C3-PFBS	68	10 - 122	11/13/17 17:26	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-DUP-01-171005	**Units:**	ng/L
Lab Code:	R1709515-007	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**3.5 J**	4.2	0.90	1	11/01/17 09:24	10/19/17	
Perfluoroheptanoic acid (PFHpA)	**2.9 J**	4.2	1.2	1	11/01/17 09:24	10/19/17	
Perfluorohexane sulfonic acid (PFHxS)	**3.2 J**	4.2	0.94	1	11/01/17 09:24	10/19/17	
Perfluorooctanoic acid (PFOA)	**3.0**	1.7	0.46	1	11/01/17 09:24	10/19/17	
Perfluorononanoic acid (PFNA)	ND U	4.2	0.94	1	11/01/17 09:24	10/19/17	
Perfluorooctane sulfonic acid (PFOS)	**1.5 J**	4.2	1.0	1	11/01/17 09:24	10/19/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	122	26 - 144	11/01/17 09:24	
13C4-PFOA	101	31 - 142	11/01/17 09:24	
13C5-PFNA	108	27 - 146	11/01/17 09:24	
13C4-PFOS	102	27 - 142	11/01/17 09:24	
13C4-PFHpA	107	20 - 153	11/01/17 09:24	
13C3-PFBS	86	10 - 122	11/01/17 09:24	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17
Sample Matrix:	Water	**Date Received:**	10/05/17 15:27
Sample Name:	BAT-DUP-01-171005	**Units:**	ng/L
Lab Code:	R1709515-007	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**3.7 J**	4.1	0.90	1	11/13/17 17:37	11/8/17	*
Perfluoroheptanoic acid (PFHpA)	**3.6 J**	4.1	1.2	1	11/13/17 17:37	11/8/17	*
Perfluorohexane sulfonic acid (PFHxS)	**5.2**	4.1	0.94	1	11/13/17 17:37	11/8/17	*
Perfluorooctanoic acid (PFOA)	**3.3**	1.6	0.46	1	11/13/17 17:37	11/8/17	*
Perfluorononanoic acid (PFNA)	ND U	4.1	0.94	1	11/13/17 17:37	11/8/17	*
Perfluorooctane sulfonic acid (PFOS)	**1.1 J**	4.1	1.0	1	11/13/17 17:37	11/8/17	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	62	26 - 144	11/13/17 17:37	
13C4-PFOA	75	31 - 142	11/13/17 17:37	
13C5-PFNA	71	27 - 146	11/13/17 17:37	
13C4-PFOS	65	27 - 142	11/13/17 17:37	
13C4-PFHpA	57	20 - 153	11/13/17 17:37	
13C3-PFBS	70	10 - 122	11/13/17 17:37	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ1715607-04	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	5.0	0.90	1	11/01/17 05:23	10/19/17	
Perfluoroheptanoic acid (PFHpA)	ND U	5.0	1.2	1	11/01/17 05:23	10/19/17	
Perfluorohexane sulfonic acid (PFHxS)	ND U	5.0	0.94	1	11/01/17 05:23	10/19/17	
Perfluorooctanoic acid (PFOA)	**0.91 J**	2.0	0.46	1	11/01/17 05:23	10/19/17	
Perfluorononanoic acid (PFNA)	ND U	5.0	0.94	1	11/01/17 05:23	10/19/17	
Perfluorooctane sulfonic acid (PFOS)	ND U	5.0	1.0	1	11/01/17 05:23	10/19/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	87	26 - 144	11/01/17 05:23	
13C4-PFOA	80	31 - 142	11/01/17 05:23	
13C5-PFNA	94	27 - 146	11/01/17 05:23	
13C4-PFOS	96	27 - 142	11/01/17 05:23	
13C4-PFHpA	94	20 - 153	11/01/17 05:23	
13C3-PFBS	74	10 - 122	11/01/17 05:23	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ1716643-04	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	5.0	0.90	1	11/13/17 16:03	11/8/17	
Perfluoroheptanoic acid (PFHpA)	ND U	5.0	1.2	1	11/13/17 16:03	11/8/17	
Perfluorohexane sulfonic acid (PFHxS)	ND U	5.0	0.94	1	11/13/17 16:03	11/8/17	
Perfluorooctanoic acid (PFOA)	**0.48 J**	2.0	0.46	1	11/13/17 16:03	11/8/17	
Perfluorononanoic acid (PFNA)	ND U	5.0	0.94	1	11/13/17 16:03	11/8/17	
Perfluorooctane sulfonic acid (PFOS)	ND U	5.0	1.0	1	11/13/17 16:03	11/8/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	85	26 - 144	11/13/17 16:03	
13C4-PFOA	95	31 - 142	11/13/17 16:03	
13C5-PFNA	85	27 - 146	11/13/17 16:03	
13C4-PFOS	87	27 - 142	11/13/17 16:03	
13C4-PFHpA	84	20 - 153	11/13/17 16:03	
13C3-PFBS	73	10 - 122	11/13/17 16:03	

Client: APTIM, Inc **Service Request:** R1709515

Project: Textron Wheatfield/156045

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M

Extraction Method: EPA 3535A

Sample Name	Lab Code	13C3-PFBS 10 - 122	13C4-PFHpA 20 - 153	13C4-PFOA 31 - 142
BAT-87-14 (1)-171005	KQ1715607-01	82	99	85
BAT-87-14 (1)-171005	KQ1715607-02	81	99	79
Method Blank	KQ1715607-04	74	94	80
BAT-87-14 (1)-171005	KQ1716643-01	60	59	70
BAT-87-14 (1)-171005	KQ1716643-02	74	73	71
Lab Control Sample	KQ1716643-03	72	85	86
Method Blank	KQ1716643-04	73	84	95
BAT-87-20 (0)-171005	R1709515-001	80	90	109
BAT-87-20 (0)-171005 RE1	R1709515-001	72	69	69
BAT-87-22 (1)-171005	R1709515-002	82	101	85
BAT-87-22 (1)-171005 RE1	R1709515-002	69	61	80
BAT-87-17 (1)-171005	R1709515-003	76	90	82
BAT-87-17 (1)-171005 RE1	R1709515-003	77	72	88
BAT-87-14 (1)-171005	R1709515-004	75	82	100
BAT-87-14 (1)-171005 RE1	R1709515-004	78	71	81
Field Blank	R1709515-005	85	114	97
BAT-89-15 (1)-171005	R1709515-006	45	42	50
BAT-89-15 (1)-171005 RE1	R1709515-006	68	67	72
BAT-DUP-01-171005	R1709515-007	86	107	101
BAT-DUP-01-171005 RE1	R1709515-007	70	57	75

Client: APTIM, Inc **Service Request:** R1709515
Project: Textron Wheatfield/156045
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Extraction Method: EPA 3535A

Sample Name	Lab Code	13C4-PFOS 27 - 142	13C5-PFNA 27 - 146	18O2-PFHxS 26 - 144
BAT-87-14 (1)-171005	KQ1715607-01	98	102	108
BAT-87-14 (1)-171005	KQ1715607-02	99	92	102
Method Blank	KQ1715607-04	96	94	87
BAT-87-14 (1)-171005	KQ1716643-01	73	77	61
BAT-87-14 (1)-171005	KQ1716643-02	70	73	82
Lab Control Sample	KQ1716643-03	80	83	87
Method Blank	KQ1716643-04	87	85	85
BAT-87-20 (0)-171005	R1709515-001	105	107	98
BAT-87-20 (0)-171005	R1709515-001	80	80	62
BAT-87-22 (1)-171005	R1709515-002	98	99	104
BAT-87-22 (1)-171005	R1709515-002	66	85	75
BAT-87-17 (1)-171005	R1709515-003	89	83	104
BAT-87-17 (1)-171005	R1709515-003	79	83	83
BAT-87-14 (1)-171005	R1709515-004	101	107	88
BAT-87-14 (1)-171005	R1709515-004	88	87	80
Field Blank	R1709515-005	109	109	118
BAT-89-15 (1)-171005	R1709515-006	42	51	41
BAT-89-15 (1)-171005	R1709515-006	81	83	65
BAT-DUP-01-171005	R1709515-007	102	108	122
BAT-DUP-01-171005	R1709515-007	65	71	62

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17
Sample Matrix:	Water	**Date Received:**	10/05/17
		Date Analyzed:	11/1/17
		Date Extracted:	10/19/17

Duplicate Matrix Spike Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Sample Name:	BAT-87-14 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-004	**Basis:**	NA
Analysis Method:	PFC/537M		
Prep Method:	EPA 3535A		

		Matrix Spike KQ1715607-01			Duplicate Matrix Spike KQ1715607-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorobutane sulfonic acid (PFBS)	ND U	100	123	81	95.2	123	77	48-164	5	30
Perfluoroheptanoic acid (PFHpA)	ND U	96.8	139	70	96.2	139	69	46-153	<1	30
Perfluorohexane sulfonic acid (PFHxS)	ND U	80.5	127	63	76.3	127	60	46-145	5	30
Perfluorooctanoic acid (PFOA)	2.3	119	139	84	115	139	81	52-147	3	30
Perfluorononanoic acid (PFNA)	ND U	102	139	74	108	139	78	47-155	5	30
Perfluorooctane sulfonic acid (PFOS)	ND U	77.0	129	60	72.8	129	56	29-162	6	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.
dba ALS Environmental

QA/QC Report

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Collected:**	10/05/17
Sample Matrix:	Water	**Date Received:**	10/05/17
		Date Analyzed:	11/13/17
		Date Extracted:	11/8/17

Duplicate Matrix Spike Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Sample Name:	BAT-87-14 (1)-171005	**Units:**	ng/L
Lab Code:	R1709515-004	**Basis:**	NA
Analysis Method:	PFC/537M		
Prep Method:	EPA 3535A		

		Matrix Spike KQ1716643-01			**Duplicate Matrix Spike** KQ1716643-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorobutane sulfonic acid (PFBS)	ND U	141	120	117	129	120	107	48-164	9	30
Perfluoroheptanoic acid (PFHpA)	ND U	158	135	117	136	135	100	46-153	15	30
Perfluorohexane sulfonic acid (PFHxS)	ND U	131	123	106	109	123	89	46-145	18	30
Perfluorooctanoic acid (PFOA)	2.3	154	135	112	152	135	111	52-147	1	30
Perfluorononanoic acid (PFNA)	ND U	153	135	114	138	135	102	47-155	11	30
Perfluorooctane sulfonic acid (PFOS)	ND U	130	126	103	109	126	87	29-162	17	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.

Client:	APTIM, Inc	**Service Request:**	R1709515
Project:	Textron Wheatfield/156045	**Date Analyzed:**	11/13/17
Sample Matrix:	Water	**Date Extracted:**	11/08/17

Lab Control Sample Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method:	PFC/537M	**Units:**	ng/L
Prep Method:	EPA 3535A	**Basis:**	NA
		Analysis Lot:	569502

Lab Control Sample
KQ1716643-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Perfluorobutane sulfonic acid (PFBS)	150	148	102	48-164
Perfluoroheptanoic acid (PFHpA)	178	167	107	46-153
Perfluorohexane sulfonic acid (PFHxS)	131	152	86	46-145
Perfluorononanoic acid (PFNA)	189	167	114	47-155
Perfluorooctane sulfonic acid (PFOS)	154	155	99	29-162
Perfluorooctanoic acid (PFOA)	184	167	110	52-147

December 12, 2017 Service Request No:R1710218

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 27, 2017
For your reference, these analyses have been assigned our service request number **R1710218.**

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

1565 Jefferson Rd, Building 300, Rochester, NY 14623 | 585-288-5380 | www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request:R1710218
Date Received:10/27/17

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 10/27/2017. 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.

Semi-Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

Sample Receiving Notes:

One or more samples were subcontracted to another laboratory for testing. The certified analytical report from the subcontractor has been included in its entirety at the end of this report and includes the name and address of the subcontracted laboratory.

Approved by _____ Date 12/12/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: BAT-87-14 (0)-171026	Lab ID: R1710218-001					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,4-Dioxane	0.032	J	0.027	0.040	ug/L	8270D

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 **Service Request:**R1710218
Project: Textron Wheatfield/156045

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1710218-001	BAT-87-14 (0)-171026	10/26/2017	1035
R1710218-002	BAT-DUP-02-171026	10/26/2017	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

47864

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	Project Number: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM, INC 13 BRITISH AMERICAN BLVD. LATHAM, NY 12110	
Phone #: (518) 783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature:	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 8 8

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	1,4-Dioxane (8270)	537 PFOA							REMARKS/ ALTERNATE DESCRIPTION
BIAT-87-14(0)-171026		10/26/17	1035	GW	3								X	X							
BIAT-DUP02-171026		10/26/17	-	GW	3								X	X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED: NY

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:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Kevin Cronin	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: KEVIN CRONIN	Printed Name:	Printed Name:	Printed Name: Daniel Ward	Printed Name:	Printed Name:
Firm: APTIM	Firm: ALS	Firm: ALS	Firm: ALS	Firm:	Firm:
Date/Time: 10/27/17 1115	Date/Time: 10/27/17 1115	Date/Time: 10/27/17 1349	Date/Time: 10/27/17 1340	Date/Time:	Date/Time:

R1710218 5
APTIM, Inc
Textron Wheatfield

Distribution: White - Lab Copy; Yellow - Return to Originator

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Textron Wheatfield

Cooler Receipt and Preservation Check Form

Project/Client APTIM Folder Number _____.

Cooler received on 10/27/17 by: DM

COURIER: 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: ~~Wet Ice~~ **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?	ALS/ROC CLIENT
7	Soil VOA received as:	Bulk Encore 5035set (NA)

8. Temperature Readings Date: 10/27/17 Time: 1350 ID: IR#7 ~~IR#9~~ From: Temp Blank ~~Sample Bottle~~

Observed Temp (°C)	3.7°						
Correction Factor (°C)	+0.0						
Corrected Temp (°C)	3.7°						
Temp from:Type of bottle							
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: ROOT by DM on 10/27/17 at 1350
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 10/30/17 Time: 1214 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 (NA)
13. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: Keloo, 092517-1BMC

Explain all Discrepancies/ Other Comments:

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

Labels secondary reviewed by: _____
PC Secondary Review: _____ 10/31/17

*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.

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/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

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.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).

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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Accredited	Nebraska Accredited	
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

[1] Analyses were performed according to our laboratoryôs 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 http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

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.

Client:	APTIM, Inc	**Service Request:**	R1710218
Project:	Textron Wheatfield/156045		

Sample Name:	BAT-87-14 (0)-171026	**Date Collected:**	10/26/17
Lab Code:	R1710218-001	**Date Received:**	10/27/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JMISIUREWICZ	JMISIUREWICZ

Sample Name:	BAT-DUP-02-171026	**Date Collected:**	10/26/17
Lab Code:	R1710218-002	**Date Received:**	10/27/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	JMISIUREWICZ	JMISIUREWICZ

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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www.alsglobal.com

Semivolatile 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
www.alsglobal.com

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710218
Project:	Textron Wheatfield/156045	**Date Collected:**	10/26/17 10:35
Sample Matrix:	Water	**Date Received:**	10/27/17 13:40
Sample Name:	BAT-87-14 (0)-171026	**Units:**	ug/L
Lab Code:	R1710218-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.032 J**	0.040	0.027	1	11/01/17 10:38	11/1/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	97	64 - 124	11/01/17 10:38	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710218
Project:	Textron Wheatfield/156045	**Date Collected:**	10/26/17
Sample Matrix:	Water	**Date Received:**	10/27/17 13:40
Sample Name:	BAT-DUP-02-171026	**Units:**	ug/L
Lab Code:	R1710218-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.027	1	11/01/17 10:57	11/1/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	95	64 - 124	11/01/17 10:57	

QC Summary Forms

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Semivolatile Organic Compounds by GC/MS

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www.alsglobal.com

Client: APTIM, Inc **Service Request:** R1710218
Project: Textron Wheatfield/156045
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
1,4-Dioxane by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3535A

Sample Name	Lab Code	1,4-Dioxane-d8 64 - 124
BAT-87-14 (0)-171026	R1710218-001	97
BAT-DUP-02-171026	R1710218-002	95
Method Blank	RQ1711292-01	90
Lab Control Sample	RQ1711292-02	101
Duplicate Lab Control Sample	RQ1711292-03	103

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710218
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1711292-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	0.027	1	11/01/17 09:23	11/1/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	90	64 - 124	11/01/17 09:23	

Client: APTIM, Inc
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1710218
Date Analyzed: 11/01/17

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ1711292-02		RQ1711292-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270D	8.26	10.1	82	8.43	10.1	84	60-119	2	30

Subcontracted Analytical Parameters

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
Kelso, WA 98626
T : +1 360 577 7222
F : +1 360 636 1068
www.alsglobal.com

December 08, 2017

Analytical Report for Service Request No: R1710218
Revised Service Request No: R1710218.01

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

RE: Textron Wheatfield / 156045

Dear Ms.Byers,

Enclosed is the revised report for the sample(s) submitted to our laboratory October 27, 2017
For your reference, these analyses have been assigned our service request number **R1710218.**

PFHxS was added to the 537M analyte list.

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 3364. You may also contact me via email at Howard.Holmes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Howard Holmes
Project Manager

REVISED
9:16 am, Dec 08, 2017

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Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLCMS

Acronyms

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LUFT	Leaking Underground Fuel Tank
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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.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

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

Service Request: R1710218
Date Received: 11/02/2017

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. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), Matrix/Duplicate Matrix Spike (MS/DMS), Laboratory Control Sample (LCS), and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

Sample Receipt:

Two water samples were received for analysis at ALS Environmental on 10/27/2017. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4ºC upon receipt at the laboratory.

Subcontracted Analytical Parameters:

Method PFC/537M, 11/21/2017:The control criteria were exceeded for 13C4-PFOS in Duplicate Lab Control Sample (DLCS) KQ1716750-02. The associated spike recovery of Perfluorooctane sulfonic acid (PFOS) was in control, which indicated the analysis was in control. The surrogate outlier was flagged accordingly. No further corrective action was appropriate.

Approved by _____ Date 11/27/2017

Chain of Custody

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
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Intra-Network Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Janice Jaeger

Project Name: Textron Wheatfield
Project Number: 156045
Project Manager: Cecelia Byers
Company: APTIM, Inc
QAP: LAB QAP

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	PFOA PFC/537M
R1710218-001	BAT-87-14 (0)-171026	2	Water	10/26/17	1035	10/27/17	KELSO	II
R1710218-002	BAT-DUP-02-171026	2	Water	10/26/17		10/27/17	KELSO	II

Test Comments

PFOA - PFC/537M R1710218-001,2 PFBS,PFHpA,PFOA,PFOS,PFNA

Special Instructions/Comments

DEC EQUIS EDD

NPDES

pH Checked _____

Turnaround Requirements

_____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

X **STANDARD**

Requested FAX Date: _____

Requested Report Date: 11/07/17

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

X IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD Y

Invoice Information

PO# 58R1710218

Bill to

Relinquished By: [signature] 11/1/17 1450 Received By: [signature] ALS 11/2/17 0932 Airbill Number: _____

PC H2

Cooler Receipt and Preservation Form

Client ALS-Rochester Service Request K17 R1710218

Received: 11/2/17 Opened: 11/2/17 By: KM Unloaded: 11/2/17 By: KL

1. Samples were received via? *USPS* (*Fed Ex*) *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 1 Front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
-0.6	-0.7	—	—	-0.1	382		415091867927	

4. Packing material: *Inserts* (*Baggies*) *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
6. Were samples received in good condition (temperature, unbroken)? *Indicate in the table below.* NA (Y) N
   If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA (Y) N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
12. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

REVISED
8:56 am, Dec 08, 2017

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710218
Project:	Textron Wheatfield/156045	**Date Collected:**	10/26/17 10:35
Sample Matrix:	Water	**Date Received:**	10/27/17 13:40
Sample Name:	BAT-87-14 (0)-171026	**Units:**	ng/L
Lab Code:	R1710218-001	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**1.4 J**	4.2	0.90	1	11/21/17 10:52	11/9/17	
Perfluoroheptanoic acid (PFHpA)	**2.1 J**	4.2	1.2	1	11/21/17 10:52	11/9/17	
Perfluorohexane sulfonic acid (PFHxS)	**1.7 J**	4.2	0.94	1	11/21/17 10:52	11/9/17	
Perfluorooctanoic acid (PFOA)	**6.0**	1.7	0.46	1	11/21/17 10:52	11/9/17	
Perfluorononanoic acid (PFNA)	ND U	4.2	0.94	1	11/21/17 10:52	11/9/17	
Perfluorooctane sulfonic acid (PFOS)	**2.4 J**	4.2	1.0	1	11/21/17 10:52	11/9/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	75	26 - 144	11/21/17 10:52	
13C4-PFOA	72	31 - 142	11/21/17 10:52	
13C5-PFNA	84	27 - 146	11/21/17 10:52	
13C4-PFOS	60	27 - 142	11/21/17 10:52	
13C4-PFHpA	80	20 - 153	11/21/17 10:52	
13C3-PFBS	71	10 - 122	11/21/17 10:52	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710218
Project:	Textron Wheatfield/156045	**Date Collected:**	10/26/17
Sample Matrix:	Water	**Date Received:**	10/27/17 13:40
Sample Name:	BAT-DUP-02-171026	**Units:**	ng/L
Lab Code:	R1710218-002	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	**1.4 J**	4.2	0.90	1	11/21/17 11:03	11/9/17	
Perfluoroheptanoic acid (PFHpA)	**2.4 J**	4.2	1.2	1	11/21/17 11:03	11/9/17	
Perfluorohexane sulfonic acid (PFHxS)	**1.0 J**	4.2	0.94	1	11/21/17 11:03	11/9/17	
Perfluorooctanoic acid (PFOA)	**6.8**	1.7	0.46	1	11/21/17 11:03	11/9/17	
Perfluorononanoic acid (PFNA)	ND U	4.2	0.94	1	11/21/17 11:03	11/9/17	
Perfluorooctane sulfonic acid (PFOS)	**2.4 J**	4.2	1.0	1	11/21/17 11:03	11/9/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	77	26 - 144	11/21/17 11:03	
13C4-PFOA	74	31 - 142	11/21/17 11:03	
13C5-PFNA	80	27 - 146	11/21/17 11:03	
13C4-PFOS	65	27 - 142	11/21/17 11:03	
13C4-PFHpA	69	20 - 153	11/21/17 11:03	
13C3-PFBS	72	10 - 122	11/21/17 11:03	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1710218
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ1716750-03	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.8	0.90	1	11/21/17 10:21	11/9/17	
Perfluoroheptanoic acid (PFHpA)	ND U	4.8	1.2	1	11/21/17 10:21	11/9/17	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.8	0.94	1	11/21/17 10:21	11/9/17	
Perfluorooctanoic acid (PFOA)	ND U	1.9	0.46	1	11/21/17 10:21	11/9/17	
Perfluorononanoic acid (PFNA)	ND U	4.8	0.94	1	11/21/17 10:21	11/9/17	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.8	1.0	1	11/21/17 10:21	11/9/17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
18O2-PFHxS	57	26 - 144	11/21/17 10:21	
13C4-PFOA	78	31 - 142	11/21/17 10:21	
13C5-PFNA	89	27 - 146	11/21/17 10:21	
13C4-PFOS	66	27 - 142	11/21/17 10:21	
13C4-PFHpA	66	20 - 153	11/21/17 10:21	
13C3-PFBS	60	10 - 122	11/21/17 10:21	

Client: APTIM, Inc **Service Request:** R1710218
Project: Textron Wheatfield/156045
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Extraction Method: EPA 3535A

Sample Name	Lab Code	13C3-PFBS 10 - 122	13C4-PFHpA 20 - 153	13C4-PFOA 31 - 142
Lab Control Sample	KQ1716750-01	65	82	75
Duplicate Lab Control Sample	KQ1716750-02	71	111	121
Method Blank	KQ1716750-03	60	66	78
Continuing Calibration Blank	KQ1717337-02	83	90	90
BAT-87-14 (0)-171026	R1710218-001	71	80	72
BAT-DUP-02-171026	R1710218-002	72	69	74

Client: APTIM, Inc **Service Request:** R1710218
Project: Textron Wheatfield/156045
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Extraction Method: EPA 3535A

Sample Name	Lab Code	13C4-PFOS 27 - 142	13C5-PFNA 27 - 146	18O2-PFHxS 26 - 144
Lab Control Sample	KQ1716750-01	71	87	78
Duplicate Lab Control Sample	KQ1716750-02	25 *	122	50
Method Blank	KQ1716750-03	66	89	57
Continuing Calibration Blank	KQ1717337-02	81	96	95
BAT-87-14 (0)-171026	R1710218-001	60	84	75
BAT-DUP-02-171026	R1710218-002	65	80	77

Client:	APTIM, Inc	**Service Request:**	R1710218
Project:	Textron Wheatfield/156045	**Date Analyzed:**	11/21/17
Sample Matrix:	Water	**Date Extracted:**	11/09/17

Duplicate Lab Control Sample Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method:	PFC/537M	**Units:**	ng/L
Prep Method:	EPA 3535A	**Basis:**	NA
		Analysis Lot:	570917

	Lab Control Sample KQ1716750-01			Duplicate Lab Control Sample KQ1716750-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorobutane sulfonic acid (PFBS)	109	142	76	120	142	84	48-164	10	30
Perfluoroheptanoic acid (PFHpA)	136	160	85	134	160	84	46-153	1	30
Perfluorohexane sulfonic acid (PFHxS)	121	146	83	113	146	77	46-145	7	30
Perfluorononanoic acid (PFNA)	125	160	78	120	160	75	47-155	4	30
Perfluorooctane sulfonic acid (PFOS)	120	149	81	122	149	82	29-162	2	30
Perfluorooctanoic acid (PFOA)	121	160	76	120	160	75	52-147	<1	30

Appendix H

Historical Sampling Results

APPENDIX H
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 E - 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

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
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
VINYL CHLORIDE	2	201	440	150	170	170	170	460	220	480	210	150	66	96	96	84	330
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
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
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
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
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
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
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
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
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
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
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
1 1 1-TRICHLOROETHANE	5*	145	100 U	58	66	130 U	130 U	530	85	120	56	43	22	17	13	15	72
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
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
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
TRICHLOROETHENE	5*	951	100 U	50 U	50	38	130 U	760	190	760	250	150	110	72	120	110	54
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

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	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

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
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
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
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
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 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
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
CARBON DISULFIDE	60	1.6	1.7	5.2	1.7	0.97	1.2	7.2	6.9	1.3
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
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 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
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
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
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 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
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
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 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
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 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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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	Nov-17
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	2.5 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	190
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	2.5 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	2.5 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	4.2
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	4.5
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	2.5 U
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	2.5 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	3.4
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	4.7
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	720
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	13 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	2.5 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	2.6
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	2.5 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	2.5 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	2.5 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	7.0
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	2.5 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	2.5 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	2.5 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	13 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	2.5 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	2.5 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	2.5 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	2.5 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	13 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	2.5 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	2.5 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	2.5 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	5.0 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	2.5 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	2.5 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	2.5 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	2.5 U

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
CHLOROMETHANE	5*	2.0 U	2.0 U
VINYL CHLORIDE	2	190	210
CHLOROETHANE	5*	2.0 U	2.0 U
BROMOMETHANE	5*	2.0 U	2.0 U
1 1-DICHLOROETHENE	5*	1.5 J	2.1
ACETONE	50	4.1 J	10 U
CARBON DISULFIDE	60	2.0 U	0.61 J
METHYLENE CHLORIDE	5*	2.0 U	2.0 U
TRANS-1 2-DICHLOROETHENE	5*	1.4 J	2.1
1 1-DICHLOROETHANE	5*	16	20
CIS-1 2-DICHLOROETHENE	5*	150	170
METHYL ETHYL KETONE	50	10 U	10 U
CHLOROFORM	7	2.0 U	2.0 U
1 1 1-TRICHLOROETHANE	5*	85	110
CARBON TETRACHLORIDE	5	2.0 U	2.0 U
BENZENE	1	2.0 U	2.0 U
1 2-DICHLOROETHANE	0.6	2.0 U	2.0 U
TRICHLOROETHENE	5*	1.7 J	2.2
1 2-DICHLOROPROPANE	1	2.0 U	2.0 U
BROMODICHLOROMETHANE	50	2.0 U	2.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	2.0 U	2.0 U
MIBK	No Given Value	10 U	10 U
TOLUENE	5*	2.0 U	2.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	2.0 U	2.0 U
1 1 2-TRICHLOROETHANE	1	2.0 U	2.0 U
TETRACHLOROETHENE	5*	2.0 U	2.0 U
2-HEXANONE	50	10 U	10 U
DIBROMOCHLOROMETHANE	50	2.0 U	2.0 U
CHLOROBENZENE	5*	2.0 U	2.0 U
ETHYLBENZENE	5*	2.0 U	2.0 U
P-XYLENE/M-XYLENE	5*	4.0 U	4.0 U
O-XYLENE	5*	2.0 U	2.0 U
STYRENE	5*	2.0 U	2.0 U
BROMOFORM	50	2.0 U	2.0 U
1 1 2 2-TETRACHLOROETHANE	5*	2.0 U	2.0 U

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
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
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
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
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 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
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
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
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
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 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
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
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
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-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
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
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 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
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 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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

This well was not sampled on the followng 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
CHLOROMETHANE	5*	10 U	5.2 J
VINYL CHLORIDE	2	1,700	2,300
CHLOROETHANE	5*	10 U	20 U
BROMOMETHANE	5*	10 U	6.2 J
1 1-DICHLOROETHENE	5*	7.2 J	20 U
ACETONE	50	50 U	100 U
CARBON DISULFIDE	60	10 U	20 U
METHYLENE CHLORIDE	5*	10 U	20 U
TRANS-1 2-DICHLOROETHENE	5*	8.7 J	12 J
1 1-DICHLOROETHANE	5*	19	29
CIS-1 2-DICHLOROETHENE	5*	2,200 D	3,000
METHYL ETHYL KETONE	50	50 U	100 U
CHLOROFORM	7	10 U	20 U
1 1 1-TRICHLOROETHANE	5*	30	32
CARBON TETRACHLORIDE	5	10 U	20 U
BENZENE	1	10 U	20 U
1 2-DICHLOROETHANE	0.6	10 U	20 U
TRICHLOROETHENE	5*	14	18 J
1 2-DICHLOROPROPANE	1	10 U	20 U
BROMODICHLOROMETHANE	50	10 U	20 U
CIS-1 3-DICHLOROPROPENE	0.4**	10 U	20 U
MIBK	No Given Value	50 U	100 U
TOLUENE	5*	10 U	20 U
TRANS-1 3-DICHLOROPROPENE	0.4**	10 U	20 U
1 1 2-TRICHLOROETHANE	1	10 U	20 U
TETRACHLOROETHENE	5*	10 U	20 U
2-HEXANONE	50	50 U	100 U
DIBROMOCHLOROMETHANE	50	10 U	20 U
CHLOROBENZENE	5*	10 U	20 U
ETHYLBENZENE	5*	10 U	20 U
P-XYLENE/M-XYLENE	5*	20 U	40 U
O-XYLENE	5*	10 U	20 U
STYRENE	5*	10 U	20 U
BROMOFORM	50	10 U	20 U
1 1 2 2-TETRACHLOROETHANE	5*	10 U	20 U

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
CHLOROMETHANE	5*	500 U	46 J
VINYL CHLORIDE	2	3,000	1,300
CHLOROETHANE	5*	500 U	200 U
BROMOMETHANE	5*	500 U	200 U
1 1-DICHLOROETHENE	5*	500 U	120 J
ACETONE	50	2,500 U	1,000 U
CARBON DISULFIDE	60	500 U	200 U
METHYLENE CHLORIDE	5*	94,000 D	3,500
TRANS-1 2-DICHLOROETHENE	5*	500 U	200 U
1 1-DICHLOROETHANE	5*	320 J	130 J
CIS-1 2-DICHLOROETHENE	5*	80,000	19,000
METHYL ETHYL KETONE	50	2,500 U	1,000 U
CHLOROFORM	7	1,200	200 U
1 1 1-TRICHLOROETHANE	5*	1,100	1,100
CARBON TETRACHLORIDE	5	500 U	200 U
BENZENE	1	500 U	200 U
1 2-DICHLOROETHANE	0.6	500 U	200 U
TRICHLOROETHENE	5*	40,000	17,000
1 2-DICHLOROPROPANE	1	500 U	200 U
BROMODICHLOROMETHANE	50	230	200 U
CIS-1 3-DICHLOROPROPENE	0.4**	500 U	200 U
MIBK	No Given Value	2,500 U	1,000 U
TOLUENE	5*	500 U	200 U
TRANS-1 3-DICHLOROPROPENE	0.4**	500 U	200 U
1 1 2-TRICHLOROETHANE	1	500 U	200 U
TETRACHLOROETHENE	5*	500 U	200 U
2-HEXANONE	50	2,500 U	1,000 U
DIBROMOCHLOROMETHANE	50	500 U	200 U
CHLOROBENZENE	5*	500 U	200 U
ETHYLBENZENE	5*	500 U	200 U
P-XYLENE/M-XYLENE	5*	1,000 U	400 U
O-XYLENE	5*	500 U	200 U
STYRENE	5*	500 U	200 U
BROMOFORM	50	500 U	200 U
1 1 2 2-TETRACHLOROETHANE	5*	500 U	200 U

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

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
CHLOROMETHANE	5*	0.35 U	6.9 U	7.0 U	14 U	200 U	200 U	500 U	500 U	500 U
VINYL CHLORIDE	2	96	150	400	52	750	990	940	490	610
CHLOROETHANE	5*	0.32 U	6.5 U	6.4 U	13 U	200 U	200 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
1 1-DICHLOROETHENE	5*	0.87	5.9 U	5.8 U	12 U	200 U	200 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
CARBON DISULFIDE	60	37	35	32	93	440	470	870	470	710
METHYLENE CHLORIDE	5*	5.6	8.8 U	11	18 U	200 U	200 U	500 U	500 U	500 U
TRANS-1 2-DICHLOROETHENE	5*	1.3	18 U	18 U	36 U	320	310	500	400	390
1 1-DICHLOROETHANE	5*	2.3	7.7 U	29	15 U	200 U	200 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
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
CHLOROFORM	7	0.34 U	6.7 U	6.8 U	14 U	490	520	500 U	1,200	810
1 1 1-TRICHLOROETHANE	5*	0.26 U	16 U	190	33 U	200 U	200 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
BENZENE	1	0.41 U	8.2 U	8.2 U	16 U	200 U	200 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
TRICHLOROETHENE	5*	49	54	24	2,100	79,000	71,000	97,000	75,000	72,000
1 2-DICHLOROPROPANE	1	0.32 U	14 U	14 U	29 U	200 U	200 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
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
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
TOLUENE	5*	0.51 U	10 U	10 U	20 U	48	54	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
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
TETRACHLOROETHENE	5*	0.36 U	7.3 U	7.2 U	14 U	200 U	200 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
DIBROMOCHLOROMETHANE	50	0.32 U	6.4 U	6.4 U	13 U	200 U	200 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
ETHYLBENZENE	5*	0.18 U	15 U	15 U	30U	200 U	200 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
O-XYLENE	5*	0.36 U	15 U	15 U	30 U	200 U	200 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
BROMOFORM	50	0.26 U	5.1 U	5.2 U	10 U	200 U	200 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

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
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
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
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
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 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
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
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
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
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 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
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
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
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
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
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
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 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
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
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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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

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
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
VINYL CHLORIDE	2	140	130	340	420	400	230	310	260	150	280
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
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
1 1-DICHLOROETHENE	5*	1.6	0.89	13	8.3	11	11	4.7	1.4	0.91	1.5
ACETONE	50	1.3 U	3.0 U	3 U	30 U	1 U	12 U	12 U	10 U	1.4	1.8
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
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
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
1 1-DICHLOROETHANE	5*	5.1	3.9	16	64	59	38	32	27	21	26
CIS-1 2-DICHLOROETHENE	5*	280	240	900	850	480	250	220	160	130	130
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
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
1 1 1-TRICHLOROETHANE	5*	11	6.4	93	500	450	240	170	140	89	110
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
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
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
TRICHLOROETHENE	5*	2.9	2.3	3.9	13	7.5	4.1	5.0	13	18	2.7
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
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
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
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
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
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
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
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-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
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
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
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
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
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
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
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
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

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

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

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
CHLOROMETHANE	5*	0.35 U	1.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.90 U	2.5	1.7	1.9
CHLOROETHANE	5*	0.32 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 1-DICHLOROETHENE	5*	0.29 U	1.0 U	1.0 U	1.0 U
ACETONE	50	3.0 U	5.0 U	5.0 U	5.0 U
CARBON DISULFIDE	60	0.19 U	0.25	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	0.44 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 1-DICHLOROETHANE	5*	0.38 U	1.0 U	1.0 U	1.0 U
CIS-1 2-DICHLOROETHENE	5*	4.4	5.9	5.8	5.3
METHYL ETHYL KETONE	50	1.3 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 1 1-TRICHLOROETHANE	5*	0.82 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
BENZENE	1	0.41 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
TRICHLOROETHENE	5*	0.46 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
BROMODICHLOROMETHANE	50	0.39 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
MIBK	No Given Value	2.1 U	5.0 U	5.0 U	5.0 U
TOLUENE	5*	0.51 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 1 2-TRICHLOROETHANE	1	0.23 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 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
DIBROMOCHLOROMETHANE	50	0.32 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.75 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.74 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
O-XYLENE	5*	0.76 U	1.0 U	1.0 U	1.0 U
STYRENE	5*	0.73 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 1 2 2-TETRACHLOROETHANE	5*	0.21 U	1.0 U	1.0 U	1.0 U

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	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	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	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	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	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

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
CHLOROMETHANE	5*	0.35 U	1 U	1 U	1.0 U	1.0 U
VINYL CHLORIDE	2	0.90 U	1 U	1 U	1.0 U	1.0 U
CHLOROETHANE	5*	0.32 U	1 U	1 U	1.0 U	1.0 U
BROMOMETHANE	5*	0.69 U	1 U	1 U	1.0 U	1.0 U
1 1-DICHLOROETHENE	5*	0.29 U	1 U	1 U	1.0 U	1.0 U
ACETONE	50	3.0 U	5 U	5 U	1.4	1.0 U
CARBON DISULFIDE	60	0.19 U	1 U	1 U	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	0.44 U	1 U	1 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 1-DICHLOROETHANE	5*	0.38 U	1 U	1 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
METHYL ETHYL KETONE	50	1.3 U	5 U	5 U	5.0 U	5.0 U
CHLOROFORM	7	0.34 U	1 U	1 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
CARBON TETRACHLORIDE	5	0.27 U	1 U	1 U	1.0 U	1.0 U
BENZENE	1	0.41 U	1 U	1 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
TRICHLOROETHENE	5*	0.46 U	0.24	1 U	1.0 U	1.0 U
1 2-DICHLOROPROPANE	1	0.72 U	1 U	1 U	1.0 U	1.0 U
BROMODICHLOROMETHANE	50	0.39 U	1 U	1 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
MIBK	No Given Value	2.1 U	5 U	5 U	5.0 U	5.0 U
TOLUENE	5*	0.51 U	1 U	1 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 1 2-TRICHLOROETHANE	1	0.23 U	1 U	1 U	1.0 U	1.0 U
TETRACHLOROETHENE	5*	0.36 U	1 U	1 U	1.0 U	1.0 U
2-HEXANONE	50	1.2 U	5 U	5 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	50	0.32 U	1 U	1 U	1.0 U	1.0 U
CHLOROBENZENE	5*	0.75 U	1 U	1 U	1.0 U	1.0 U
ETHYLBENZENE	5*	0.74 U	1 U	1 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
O-XYLENE	5*	0.76 U	1 U	1 U	1.0 U	1.0 U
STYRENE	5*	0.73 U	1 U	1 U	1.0 U	1.0 U
BROMOFORM	50	0.26 U	1 U	1 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

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

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
CHLOROMETHANE	5*	35 U	25 U	50 U	25 U
VINYL CHLORIDE	2	1,600	1,600	830	760
CHLOROETHANE	5*	32 U	25 U	50 U	25 U
BROMOMETHANE	5*	69 U	25 U	50 U	9.0
1 1-DICHLOROETHENE	5*	29 U	18	50 U	25 U
ACETONE	50	300 U	130 U	250 U	130 U
CARBON DISULFIDE	60	19 U	25 U	50 U	25 U
METHYLENE CHLORIDE	5*	44 U	25 U	50 U	25 U
TRANS-1 2-DICHLOROETHENE	5*	90 U	24	50 U	17.0
1 1-DICHLOROETHANE	5*	38 U	19	18	13
CIS-1 2-DICHLOROETHENE	5*	8,700	6,800	4,700	6,200
METHYL ETHYL KETONE	50	130 U	130 U	250 U	130 U
CHLOROFORM	7	34 U	25 U	18	25 U
1 1 1-TRICHLOROETHANE	5*	82 U	23	22	26
CARBON TETRACHLORIDE	5	27 U	25 U	50 U	25 U
BENZENE	1	41 U	25 U	50 U	25 U
1 2-DICHLOROETHANE	0.6	21 U	25 U	50 U	25 U
TRICHLOROETHENE	5*	46 U	26	19	34
1 2-DICHLOROPROPANE	1	72 U	25 U	50 U	25 U
BROMODICHLOROMETHANE	50	39 U	25 U	50 U	25 U
CIS-1 3-DICHLOROPROPENE	0.4**	36 U	25 U	50 U	25 U
MIBK	No Given Value	210 U	130 U	250 U	130 U
TOLUENE	5*	51 U	25 U	50 U	25 U
TRANS-1 3-DICHLOROPROPENE	0.4**	37 U	25 U	50 U	25 U
1 1 2-TRICHLOROETHANE	1	23 U	25 U	50 U	25 U
TETRACHLOROETHENE	5*	36 U	25 U	50 U	25 U
2-HEXANONE	50	120 U	130 U	250 U	130 U
DIBROMOCHLOROMETHANE	50	32 U	25 U	50 U	25 U
CHLOROBENZENE	5*	75 U	25 U	50 U	25 U
ETHYLBENZENE	5*	74 U	25 U	50 U	25 U
P-XYLENE/M-XYLENE	5*	66 U	50 U	100 U	50 U
O-XYLENE	5*	76 U	25 U	50 U	25 U
STYRENE	5*	73 U	25 U	50 U	25 U
BROMOFORM	50	26 U	25 U	50 U	25 U
1 1 2 2-TETRACHLOROETHANE	5*	21 U	25 U	50 U	25 U

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

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
CHLOROMETHANE	5*	0.35 U	0.35 U	0.35 U	0.35 U	1 U	2.0 U	1.0 U
VINYL CHLORIDE	2	1.8	1.7	1.7	8.8	36	77	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
BROMOMETHANE	5*	0.69 U	0.69 U	0.69 U	0.69 U	1 U	2.0 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
ACETONE	50	3 U	3.0 U	3.0 U	3.0 U	5 U	2.7	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
METHYLENE CHLORIDE	5*	0.44 U	0.44 U	0.44 U	0.44 U	1 U	2.0 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
1 1-DICHLOROETHANE	5*	4.3	0.93	2.2	1.7	2.4	3.1	2.0
CIS-1 2-DICHLOROETHENE	5*	110	27	51	95	200	460	7.6
METHYL ETHYL KETONE	50	1.3 U	1.3 U	1.3 U	1.3 U	5 U	10 U	5.0
CHLOROFORM	7	1.4	0.34 U	0.34 U	0.34 U	0.37	0.62	1.1
1 1 1-TRICHLOROETHANE	5*	48	3.5	3.7 U	2.9	2.8	3.5	2.8
CARBON TETRACHLORIDE	5	0.27 U	0.27 U	0.27 U	0.27 U	1 U	2.0 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 2-DICHLOROETHANE	0.6	0.21 U	0.21 U	0.21 U	0.21 U	1 U	2.0 U	1.0 U
TRICHLOROETHENE	5*	16	4.2	4.7	4.2	5.2	5.4	3.1
1 2-DICHLOROPROPANE	1	0.72 U	0.72 U	0.72 U	0.72 U	1 U	2.0 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
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
MIBK	No Given Value	2.1 U	2.1 U	2.1 U	2.1 U	5 U	10 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
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 1 2-TRICHLOROETHANE	1	0.23 U	0.23 U	0.23 U	0.23 U	1 U	2.0 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
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	1.2 U	5 U	10 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
CHLOROBENZENE	5*	0.75 U	0.75 U	0.75 U	0.75 U	1 U	2.0 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
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
O-XYLENE	5*	0.76 U	0.76 U	0.76 U	0.76 U	1 U	2.0 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
BROMOFORM	50	0.26 U	0.26 U	0.26 U	0.26 U	1 U	2.0 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

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

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

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
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
VINYL CHLORIDE	2	320	490	200	190	500	150	140	430	430
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
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
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
ACETONE	50	1.3 U	3.0 U	3 U	60 U	60 U	30 U	5 U	6.4	25 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
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
TRANS-1 2-DICHLOROETHENE	5*	9.0	15	6.4	18 U	18 U	9.0 U	2.6	7.3	4.3
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
CIS-1 2-DICHLOROETHENE	5*	3500	4,300	2,000	1,100	2,500	750	460	1,200	820
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
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
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
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
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
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
TRICHLOROETHENE	5*	9.1	12	4.5	9.2 U	9.2 U	4.6 U	2.2	5.0	2.6
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
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
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
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
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
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
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
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
2-HEXANONE	50	1.2 U	1.2 U	1.2 U	25 U	25 U	12 U	5 U	25 U	25 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
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
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
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
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
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
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
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

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

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

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
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
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
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
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 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
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
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
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
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
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
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
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
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 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
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
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 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
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 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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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
CHLOROMETHANE	5*	5.0 U
VINYL CHLORIDE	2	100
CHLOROETHANE	5*	5.0 U
BROMOMETHANE	5*	5.0 U
1 1-DICHLOROETHENE	5*	5.1
ACETONE	50	25 U
CARBON DISULFIDE	60	1.3 J
METHYLENE CHLORIDE	5*	660
TRANS-1 2-DICHLOROETHENE	5*	3.5 J
1 1-DICHLOROETHANE	5*	5.9
CIS-1 2-DICHLOROETHENE	5*	1,400 D
METHYL ETHYL KETONE	50	25 U
CHLOROFORM	7	2.5 J
1 1 1-TRICHLOROETHANE	5*	9.4
CARBON TETRACHLORIDE	5	5.0 U
BENZENE	1	5.0 U
1 2-DICHLOROETHANE	0.6	5.0 U
TRICHLOROETHENE	5*	1,500 D
1 2-DICHLOROPROPANE	1	5.0 U
BROMODICHLOROMETHANE	50	5.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	5.0 U
MIBK	No Given Value	25 U
TOLUENE	5*	5.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	5.0 U
1 1 2-TRICHLOROETHANE	1	5.0 U
TETRACHLOROETHENE	5*	5.0 U
2-HEXANONE	50	25 U
DIBROMOCHLOROMETHANE	50	5.0 U
CHLOROBENZENE	5*	5.0 U
ETHYLBENZENE	5*	5.0 U
P-XYLENE/M-XYLENE	5*	10 U
O-XYLENE	5*	5.0 U
STYRENE	5*	5.0 U
BROMOFORM	50	5.0 U
1 1 2 2-TETRACHLOROETHANE	5*	5.0 U

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
CHLOROMETHANE	5*	25 U	5.0 U
VINYL CHLORIDE	2	270	110
CHLOROETHANE	5*	25 U	5.0 U
BROMOMETHANE	5*	25 U	5.0 U
1 1-DICHLOROETHENE	5*	25 U	3.7 J
ACETONE	50	36 J	8.7 J
CARBON DISULFIDE	60	25 U	5.0 U
METHYLENE CHLORIDE	5*	25 U	5.0 U
TRANS-1 2-DICHLOROETHENE	5*	19 J	6.0
1 1-DICHLOROETHANE	5*	9.0 J	6.3
CIS-1 2-DICHLOROETHENE	5*	4,300	1,300 D
METHYL ETHYL KETONE	50	130	25 U
CHLOROFORM	7	25 U	3.0 J
1 1 1-TRICHLOROETHANE	5*	22 J	13
CARBON TETRACHLORIDE	5	25 U	5.0 U
BENZENE	1	25 U	5.0 U
1 2-DICHLOROETHANE	0.6	25 U	5.0 U
TRICHLOROETHENE	5*	490	23
1 2-DICHLOROPROPANE	1	25 U	5.0 U
BROMODICHLOROMETHANE	50	25 U	5.0 U
CIS-1 3-DICHLOROPROPENE	0.4**	25 U	5.0 U
MIBK	No Given Value	130	25 U
TOLUENE	5*	25 U	5.0 U
TRANS-1 3-DICHLOROPROPENE	0.4**	25 U	5.0 U
1 1 2-TRICHLOROETHANE	1	25 U	5.0 U
TETRACHLOROETHENE	5*	25 U	5.0 U
2-HEXANONE	50	130	25 U
DIBROMOCHLOROMETHANE	50	25 U	5.0 U
CHLOROBENZENE	5*	25 U	5.0 U
ETHYLBENZENE	5*	25 U	5.0 U
P-XYLENE/M-XYLENE	5*	50	10 U
O-XYLENE	5*	25 U	5.0 U
STYRENE	5*	25 U	5.0 U
BROMOFORM	50	25 U	5.0 U
1 1 2 2-TETRACHLOROETHANE	5*	25 U	5.0 U

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
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
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
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
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 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
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
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
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
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 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
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
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
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 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
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
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 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
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 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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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 insuffient 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
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
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
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
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 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
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
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
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
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 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
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
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
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 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
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
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 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
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
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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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

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
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
VINYL CHLORIDE	2	1 U	330	100 U	250	210	220	150	170	210	200	210	390	20
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
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 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
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
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
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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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

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

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

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
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
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
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
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 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
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
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
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
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 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
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
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
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 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
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
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 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
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 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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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

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
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
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
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
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 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
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
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
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
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 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
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
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
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 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
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
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 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
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 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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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
CHLOROMETHANE	5*	500 U	170 J
VINYL CHLORIDE	2	430 J	380 J
CHLOROETHANE	5*	500 U	500 U
BROMOMETHANE	5*	500 U	170 J
1 1-DICHLOROETHENE	5*	310 J	380 J
ACETONE	50	2,500 U	2,500 U
CARBON DISULFIDE	60	500 U	500 U
METHYLENE CHLORIDE	5*	3,300	6,000
TRANS-1 2-DICHLOROETHENE	5*	500 U	180 J
1 1-DICHLOROETHANE	5*	350 J	450 J
CIS-1 2-DICHLOROETHENE	5*	20,000	22,000
METHYL ETHYL KETONE	50	2,500 U	2,500 U
CHLOROFORM	7	980	500 U
1 1 1-TRICHLOROETHANE	5*	780	930
CARBON TETRACHLORIDE	5	500 U	500 U
BENZENE	1	500 U	500 U
1 2-DICHLOROETHANE	0.6	500 U	500 U
TRICHLOROETHENE	5*	58,000	64,000
1 2-DICHLOROPROPANE	1	500 U	500 U
BROMODICHLOROMETHANE	50	210 J	500 U
CIS-1 3-DICHLOROPROPENE	0.4**	500 U	500 U
MIBK	No Given Value	2,500 U	2,500 U
TOLUENE	5*	500 U	500 U
TRANS-1 3-DICHLOROPROPENE	0.4**	500 U	500 U
1 1 2-TRICHLOROETHANE	1	500 U	500 U
TETRACHLOROETHENE	5*	500 U	500 U
2-HEXANONE	50	2,500 U	2,500 U
DIBROMOCHLOROMETHANE	50	500 U	500 U
CHLOROBENZENE	5*	500 U	500 U
ETHYLBENZENE	5*	500 U	500 U
P-XYLENE/M-XYLENE	5*	1,000 U	1,000 U
O-XYLENE	5*	500 U	500 U
STYRENE	5*	500 U	500 U
BROMOFORM	50	500 U	500 U
1 1 2 2-TETRACHLOROETHANE	5*	500 U	500 U

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

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
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
VINYL CHLORIDE	2	98	98	340	290	330	220	220	180	190
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
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
1 1-DICHLOROETHENE	5*	0.86	0.29 U	14 U	5.0	11.0	3.0	2	1.3	1.8
ACETONE	50	1.3 U	3.0 U	3 U	30 U	15 U	12 U	10 U	1.6	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
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
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 1-DICHLOROETHANE	5*	4.2	2.5	17	44	39	25	25	20	18
CIS-1 2-DICHLOROETHENE	5*	170	140	760	530	280	220	170	170	140
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
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
1 1 1-TRICHLOROETHANE	5*	6.7	2.6	140	300	210	120	110	81	75
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
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
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
TRICHLOROETHENE	5*	4.5	1.5	4.5	9.0	2.8	2.0	2.2	1.8	1.8
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
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
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
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
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
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
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
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-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
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
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
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
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
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
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
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
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

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	Oct-15	Oct-16	Nov-17
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	1 U	1.0 U	1.0 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	2.7	2.5	1.0 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	1 U	1.0 U	1.0 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 U	1.0 U	1.0 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	1 U	12	1.0 U
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	5 U	5.0 U	1.7
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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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 U	8.6	1.0 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	0.29	13	0.4
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	1 U	1,100	22
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	5 U	5.0 U	5.0 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 U	3	0.47
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	1 U	44	1.1
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	1 U	1.0 U	1.0 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 U	0.85	1.0 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	1 U	1.0 U	1.0 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	36	2,400	70
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	1 U	1.0 U	1.0 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	0.87	1.0 U	1.0 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	1 U	1.0 U	1.0 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	5 U	5.0 U	5.0 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	1 U	1.0 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 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	5 U	5.0 U	5.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	2 U	2.0 U	2.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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 U	1.0 U	1.0 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	1 U	1.0 U	1.0 U

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	Oct-14	Oct-16	Nov-17
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	10 U	10 U	0.24
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	140	110	2.3
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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	5.9	1.0 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	50 U	50 U	1.5
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	10 U	10 U	1.0 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	1,500	2,300	170
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	3.5	3.8	1.0 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	14	12	1.0 U
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	1,000	960	17
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	50 U	50 U	5.0 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	10 U	3.4	1.0 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	60	57	0.5
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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	610	510	32
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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	50 U	50 U	5.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	50 U	50 U	5.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	30 U	20 U	2.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 U

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	Oct-15	Oct-16	Nov-17
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	10 U	10 U	0.45
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	420	450	100
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	10 U	10 U	29
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	10 U	10 U	1.0 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	17	10 U	1.2
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	50 U	50 U	5.0 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	6	3.4	0.35
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	780	10 U	1.0 U
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	8.3	5.9	1.0
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	33	25	8.6
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	3,900	1,500	110
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	50 U	50 U	5.0 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	10 U	10 U	1.0 U
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	160	110	45
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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	1,100	14	35
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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	50 U	50 U	5.0 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	10 U	10 U	1.0 U
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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 U
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	50 U	50 U	5.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 U
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	30 U	20 U	2.0 U
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	10 U	10 U	1.0 U
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	10 U	10 U	1.0 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	10 U	10 U	1.0 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	10 U	10 U	1.0 U

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	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	Oct-15	Oct-16	Nov-17
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	1 U	1.0 U	1.0 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	74	180	1.0 U
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	1 U	1.0 U	1.0 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 U	1.0 U	1.0 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	2.8	5.2	1.0 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	5 U	5.0 U	2.4
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	1 U	0.9	1.0 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	84	1.0 U	1.0 U
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	15	1.0 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	8.6	13	1.0 U
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	220	1,700	1.5
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	5 U	5.0 U	5.0 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	0.31	1.1	1.0 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	28	34	1.0 U
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	1 U	1.0 U	1.0 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 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	140	83	1.2
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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	5 U	5.0 U	5.0 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	1 U	1.0 U	1.0 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 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	5 U	5.0 U	5.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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	2 U	2.0 U	2.0 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	1 U	1.0 U	1.0 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	1 U	1.0 U	1.0 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 U	1.0 U	1.0 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	1 U	1.0 U	1.0 U

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 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

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
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	0.83	1.0 U	180	3.3	200	2.8	1.9	220
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	2.3	1.0 U	1.0 U	1.0 U	1.0 U	0.68
ACETONE	50	5.0 U	2.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.8
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
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
TRANS-1 2-DICHLOROETHENE	5*	1.4	1.2	3.7	0.96	2.9	1.1	1.0	2.3
1 1-DICHLOROETHANE	5*	3.4	4.0	10	3.1	13	2.1	2.5	3.5
CIS-1 2-DICHLOROETHENE	5*	9.6	24	660	13	250	7.8	6.4	220
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	1.2	1.2	0.63	0.46	0.65	0.64	1.3	1.1
1 1 1-TRICHLOROETHANE	5*	3.2	3.1	14	2.7	21	2.9	3.4	3.0
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*	4.1	5.1	10	3.2	7.7	2.7	2.7	5.4
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

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

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
CHLOROMETHANE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
VINYL CHLORIDE	2	1,200	960	800	660	720	860	1,000	370
CHLOROETHANE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
BROMOMETHANE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 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
ACETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	4.3
CARBON DISULFIDE	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
METHYLENE CHLORIDE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
TRANS-1 2-DICHLOROETHENE	5*	9.8	8.8	8.2	9.3	10	8.4	12	2.4
1 1-DICHLOROETHANE	5*	12	11	14	12	13	16	14	4.1
CIS-1 2-DICHLOROETHENE	5*	1,900	1,900	1,300	2,000	1,600	1,300	1,600	170
METHYL ETHYL KETONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	13 U
CHLOROFORM	7	10 U	4.3	10 U	10 U	10 U	10 U	3.4	0.98
1 1 1-TRICHLOROETHANE	5*	15	14	17	17	17	14	16	3.4
CARBON TETRACHLORIDE	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
BENZENE	1	10 U	10 U	10 U	10 U	10 U	10 U	10 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
TRICHLOROETHENE	5*	6.0	6.5	5.5	6.2	4.6	4.3	5.1	4.6
1 2-DICHLOROPROPANE	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
BROMODICHLOROMETHANE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 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
MIBK	No Given Value	50 U	50 U	50 U	50 U	50 U	50 U	50 U	13 U
TOLUENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 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
1 1 2-TRICHLOROETHANE	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
TETRACHLOROETHENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
2-HEXANONE	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	13 U
DIBROMOCHLOROMETHANE	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
CHLOROBENZENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
ETHYLBENZENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 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
O-XYLENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
STYRENE	5*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.5 U
BROMOFORM	50	10 U	10 U	10 U	10 U	10 U	10 U	10 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

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

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
CHLOROMETHANE	5*	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
CHLOROETHANE	5*	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 1-DICHLOROETHENE	5*	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
CARBON DISULFIDE	60	0.53	2.4	1.0 U	0.61	0.30	1.0 U	1.0 U
METHYLENE CHLORIDE	5*	1.0 U	1.0 U	0.91	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 1-DICHLOROETHANE	5*	1.1	1.1	0.91	1.6	1.9	1.0	1.3
CIS-1 2-DICHLOROETHENE	5*	27	34	25	39	69	32	25
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
CHLOROFORM	7	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
CARBON TETRACHLORIDE	5	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 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
TRICHLOROETHENE	5*	0.41	0.77	0.57	0.71	0.85	0.42	0.41
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
BROMODICHLOROMETHANE	50	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
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
TOLUENE	5*	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 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
TETRACHLOROETHENE	5*	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
DIBROMOCHLOROMETHANE	50	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
ETHYLBENZENE	5*	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
O-XYLENE	5*	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
BROMOFORM	50	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

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	2.6U
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

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
CHLOROMETHANE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 U	1.0 U	1.0 U
VINYL CHLORIDE	2	1,000	500	230	150	210	170	150	170
CHLOROETHANE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 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 1-DICHLOROETHENE	5*	10 U	5 U	2 U	0.8	2.0	2.0 U	0.74	1.0 U
ACETONE	50	50 U	50 U	10 U	5 U	5.8	6.3	5.0 U	2.2
CARBON DISULFIDE	60	10 U	5 U	6.4	4.3	0.31	0.6	0.41	0.31
METHYLENE CHLORIDE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 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
1 1-DICHLOROETHANE	5*	10	5.2	2.6	2.4	10	2.3	2.5	2.4
CIS-1 2-DICHLOROETHENE	5*	1,600	450	140	85	530	78	220	62
METHYL ETHYL KETONE	50	50 U	25 U	10 U	5 U	5.0 U	10 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 1 1-TRICHLOROETHANE	5*	11	4.2	1.5	1.1	15	0.96	2.9	2.1
CARBON TETRACHLORIDE	5	10 U	5 U	2 U	1 U	1.0 U	2.0 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 2-DICHLOROETHANE	0.6	10 U	5 U	2 U	1 U	1.0 U	2.0 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
1 2-DICHLOROPROPANE	1	10 U	5 U	2 U	1 U	1.0 U	2.0 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
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
MIBK	No Given Value	50 U	25 U	10 U	5 U	5.0 U	10 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
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 1 2-TRICHLOROETHANE	1	10 U	5 U	2 U	1 U	1.0 U	2.0 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
2-HEXANONE	50	50 U	25 U	10 U	5 U	5.0 U	10 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
CHLOROBENZENE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 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
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
O-XYLENE	5*	10 U	5 U	2 U	1 U	1.0 U	2.0 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
BROMOFORM	50	10 U	5 U	2 U	1 U	1.0 U	2.0 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

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

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
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
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
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
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 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
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
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
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
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 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
CIS-1 2-DICHLOROETHENE	5*	41	21	37	8.9	8.9	18	77	26	12	19	10	69	36	170	29
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
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 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
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
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 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
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
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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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

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
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
VINYL CHLORIDE	2	37	970	810	610	700	640	470	490	35
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
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 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
ACETONE	50	1.3 U	3.0 U	3 U	60 U	30 U	30 U	5 U	25 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
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
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 1-DICHLOROETHANE	5*	6.7	12	15	29	43	32	27	23	4.4
CIS-1 2-DICHLOROETHENE	5*	89	2,300	1,400	1,500	250	910	610	690	20
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
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 1 1-TRICHLOROETHANE	5*	6.5	19	28	63	85	76	52	51	5
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
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 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
TRICHLOROETHENE	5*	0.87	14	12	15	4.6 U	6.6	8.2	6.4	0.94
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
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
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
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
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
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 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
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
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
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
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
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
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
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
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
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 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

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

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
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
VINYL CHLORIDE	2	84	210	210	1,500	1,200	700	740	260	22
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
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 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
ACETONE	50	34 U	3.0	3.0	75 U	60 U	60 U	50 U	25 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
METHYLENE CHLORIDE	5*	11 U	3.5	25	11 U	8.8 U	8.8 U	10 U	5.0 U	1.0 U
TRANS-1 2-DICHLOROETHENE	5*	10 U	8.8	4.9	23 U	18 U	18 U	8.1	4.3	0.63
1 1-DICHLOROETHANE	5*	9.6 U	13	14	33	31	28	32	13	2.1
CIS-1 2-DICHLOROETHENE	5*	1,400	2,900	1,900	4,900	880	2,400	2,200	810	74
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
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 1 1-TRICHLOROETHANE	5*	37	51	83	70	45	60	80	26	3.1
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
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 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
TRICHLOROETHENE	5*	74	67	62	45	9.2 U	9.2 U	23	5.5	1.8
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
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
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
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
TOLUENE	5*	13 U	0.51 U	0.51 U	13 U	10 U	10 U	10 U	5.0 U	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 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
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
2-HEXANONE	50	31 U	1.2 U	1.2 U	31 U	25 U	25 U	50 U	25 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
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
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
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
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
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
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 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

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
CHLOROMETHANE	5*	0.35 U	14 U	0.35 U	7.0 U	5 U	5.0 U	1.0 U
VINYL CHLORIDE	2	690	710	17	610	570	550	160
CHLOROETHANE	5*	0.32 U	13 U	0.32 U	6.4 U	5 U	5.0 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 1-DICHLOROETHENE	5*	10	12 U	0.29 U	6.6	5 U	3.2	0.94
ACETONE	50	3.0 U	120 U	3.0 U	60 U	25 U	25 U	5.0 U
CARBON DISULFIDE	60	0.69	7.6 U	0.19 U	3.8 U	5.5	5.0 U	0.37
METHYLENE CHLORIDE	5*	0.44 U	18 U	0.44 U	8.8 U	5 U	5.0 U	1.6
TRANS-1 2-DICHLOROETHENE	5*	6.3	36 U	0.90 U	18 U	4.3	4.6	1.4
1 1-DICHLOROETHANE	5*	23	49	0.98	36	31	28	8.4
CIS-1 2-DICHLOROETHENE	5*	2,100	1,600	23	840	520	650	160
METHYL ETHYL KETONE	50	1.3 U	53 U	1.3 U	26 U	25 U	25 U	5.0 U
CHLOROFORM	7	0.42	14 U	0.34 U	6.8 U	5 U	2.4	1.0 U
1 1 1-TRICHLOROETHANE	5*	96	180	2.5	120	98	66	25
CARBON TETRACHLORIDE	5	0.27 U	11 U	0.27 U	5.4 U	5 U	5.0 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 2-DICHLOROETHANE	0.6	0.21 U	8.4 U	0.21 U	4.2 U	5 U	5.0 U	1.0 U
TRICHLOROETHENE	5*	23	26	0.46 U	9.2 U	3.2	4.5	1.2
1 2-DICHLOROPROPANE	1	0.72 U	29 U	0.72 U	14 U	5 U	5.0 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
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
MIBK	No Given Value	2.1 U	84 U	2.1 U	42 U	25 U	25 U	5.0 U
TOLUENE	5*	0.87	20 U	0.51 U	10 U	5 U	5.0 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 1 2-TRICHLOROETHANE	1	0.23 U	9.2 U	0.23 U	4.6 U	5 U	5.0 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
2-HEXANONE	50	1.2 U	50 U	1.2 U	25 U	25 U	25 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
CHLOROBENZENE	5*	0.75 U	30 U	0.75 U	15U	5 U	5.0 U	1.0 U
ETHYLBENZENE	5*	0.74 U	30 U	0.74 U	15 U	5 U	5.0 U	1.0 U
P-XYLENE/M-XYLENE	5*	0.66 U	26 U	0.66 U	13 U	15 U	10 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
STYRENE	5*	0.73 U	29 U	0.73 U	15 U	5 U	5.0 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 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

This well was added to the sampling program in 2011.

Appendix I

Correspondence Regarding Residential Sub-Slab Depressurization System

Byers, Cecelia

From: Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
Sent: Friday, January 12, 2018 10:11 AM
To: Byers, Cecelia
Subject: FW: quote

From: Jim Cody [mailto:jcody@buffaloseminary.org]
Sent: Tuesday, December 27, 2016 6:09 PM
To: Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
Subject: quote

Greg, good afternoon, I came home this afternoon to hear my D.C. Sump pump in hi level alarm, it was not pumping, also the 120 v pump was not pumping either, I opened a hand hole in the plastic simp cover to see if o could actuate either pumps float, neither would pump, the electric one only hums, I sealed the hand hole back up and called Brundage's to get on the schedule to have the pumps replaced along with the back up battery.
Should I have them contact you for the billing or just have them send the bill to your attention?
Thankyou for you help and attention with this mater.

Regards,
James J.Cody
2260 Cayuga Drive Ext
Niagara Falls New York, 14304

On Friday, February 28, 2014, Simpson, Greg - Corporate EHS <gsimpson@textron.com> wrote:

> Mr. Cody – I spoke with Brundage this morning. They will be contacting you to schedule the work and they know to send me the bill.
>
> Thanks, Greg
>
> **From:** Simpson, Greg - Corporate EHS
> **Sent:** Thursday, February 27, 2014 4:24 PM
> **To:** 'Jim Cody'
> **Subject:** RE: quote
>
> Mr. Cody – Kevin Cronin has confirmed for Monday at 3:30 to meet you to confirm the installation approach.
>
> Thanks, Greg

From: Jim Cody [mailto:jcody@buffaloseminary.org]
Sent: Thursday, February 27, 2014 2:01 PM
To: Simpson, Greg - Corporate EHS
Subject: Re: quote

Greg,

Thank you Greg, I will contact Brundage's and let them know you will be calling them. I will plan to be home Monday at 3:30 pm.

On Thu, Feb 27, 2014 at 1:44 PM, Simpson, Greg - Corporate EHS <gsimpson@textron.com> wrote:

Mr. Cody – This looks fine to me. With your permission, I will coordinate with Brundage on payment (I need to get them setup in my AP System). I also understand that you will be installing a dedicated electrical outlet for the sump pump and you expect this cost to be $200.

Please confirm and I will reach out to Brundage.

Also, I have reached out to Kevin Cronin about next Monday at 3:30 and will let you know when I hear back from him.

Thanks, Greg

From: Jim Cody [mailto:jcody@buffaloseminary.org]
Sent: Thursday, February 27, 2014 11:51 AM
To: Simpson, Greg - Corporate EHS
Subject: Fwd: quote

---------- Forwarded message ----------
From: **Brundage DrainDoctor** <brundagedraindoctor@yahoo.com>
Date: Thu, Feb 27, 2014 at 11:04 AM
Subject: quote
To: "jcody@buffaloseminary.org" <jcody@buffaloseminary.org>

J.A. Brundage the Drain Doctor Inc

1400 College Ave

Niagara Falls, NY 14305

Phone: 716-285-6383

Fax: 716-285-6347

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James Cody

Director of Facilities / Maintenance

Phone: (716) 885-6780 ext 219

Fax: (716) 885-6785

E-Mail: jcody@buffaloseminary.org

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E-Mail: jcody@buffaloseminary.org

TEXTRON

Gregory L. Simpson
Director – Site Remediation
Textron Inc.

40 Westminster St.
Providence, RI 02903
Tel: (401) 457-2635
Fax: (401) 457-6028
gsimpson@textron.com

March 16, 2017

Mr. James Cody
2261 Cayuga Drive Extension
Niagara Falls, NY 14304

RE: Annual electrical reimbursement

Dear Mr. Cody:

I hope that you are doing well. Consistent with our prior agreement, enclosed is a check for $100 to cover an additional year of anticipated electrical charges associated with the sub-slab ventilation system that was installed within your home. I have a reminder on my calendar for next year's payment as well.

Thank you for contacting me about the recent issues with the sump pump. I trust that the repairs were completed to your satisfaction. Please let me know if you notice any more additional issues with the system.

Please feel free to contact me if you have any questions.

Best Regards,

Gregory L. Simpson

TEXTRON

Textron Inc.
Providence, Rhode Island 02903-2596
Corporate Disbursement Account

Check Date **03/14/17**
Check Number **00480488**

INVOICE NUMBER	GROSS AMOUNT	DESCRIPTION	DATE
174139	100.00	Cody, James	03/01/17
VENDOR NUMBER	13275	Cody, James	**NET AMOUNT** 100.00

THE ORIGINAL DOCUMENT HAS A WHITE REFLECTIVE WATERMARK ON THE BACK. HOLD AT AN ANGLE TO VIEW. DO NOT CASH IF NOT PRESENT.

50-937
213

TEXTRON

Textron Inc.
Providence, Rhode Island 02903-2596
Corporate Disbursement Account

DATE **03/14/17** **00480488**

CHECK AMOUNT
$********100.00**

DISBURSEMENT ACCOUNT

JPMorgan Chase Bank, N.A.
Syracuse, New York

PAY **One Hundred and 00/100 Dollars**

PAY TO THE ORDER OF

Cody, James
2261 Cayuga Dr Extension
Niagara Falls NY 14304

Mary T. Lacigay
AUTHORIZED SIGNATURE

Details on back.
Security Features Included

⑈00480488⑈ ⑆021309379⑆ 601 2 38850⑈

Byers, Cecelia

From: Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
Sent: Friday, January 12, 2018 10:12 AM
To: Byers, Cecelia
Subject: FW: Utility Check

From: Jim Cody [mailto:jcody@buffaloseminary.org]
Sent: Monday, April 17, 2017 9:00 AM
To: Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
Subject: Re: Utility Check

Good Morning Greg,

I received the utility check over the weekend. Thank you

James J.Cody

On Mon, Apr 10, 2017 at 9:56 AM, Simpson, Greg - Corporate EHS <gsimpson@textron.com> wrote:

> Agreed.
>
> **From:** Jim Cody [mailto:jcody@buffaloseminary.org]
> **Sent:** Monday, April 10, 2017 9:56 AM
> **To:** Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
> **Subject:** Re: Utility Check
>
> Thank you Greg,
>
> I would think that the Postal worker would have noticed that.
>
> Thank you
>
> On Mon, Apr 10, 2017 at 9:40 AM, Simpson, Greg - Corporate EHS <gsimpson@textron.com> wrote:
>
> > Jim – I will get you another check ASAP. Looks like I mistakenly sent the check to 2261 Cayuga Drive Extension. I'll change the address in my files. I apologize for the inconvenience.

Greg

From: Jim Cody [mailto:jcody@buffaloseminary.org]
Sent: Monday, April 10, 2017 7:15 AM
To: Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
Subject: Re: Utility Check

Greg,

I checked my mail Friday and Saturday and I did not receive the check. My address is:

2260 Cayuga Drive Extension

Niagara Falls New York, 14304

On Fri, Apr 7, 2017 at 3:50 PM, Simpson, Greg - Corporate EHS <gsimpson@textron.com> wrote:

> Mr. Cody – Can you please verify your address for me?
>
> Thanks, Greg
>
> **From:** Jim Cody [mailto:jcody@buffaloseminary.org]
> **Sent:** Friday, April 07, 2017 3:33 PM
> **To:** Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
> **Subject:** Re: Utility Check
>
> Greg,
>
> I remember getting an email on March 16 saying you dropped the check in the mail. I have not received it yet. I will let you know if I get it today.

Thank you

James J.Cody

On Fri, Mar 17, 2017 at 7:03 AM, Jim Cody <jcody@buffaloseminary.org> wrote:

> Thank you Greg, I appreciate it.
>
> Jim Cody
>
> On Thu, Mar 16, 2017 at 4:17 PM, Simpson, Greg - Corporate EHS <gsimpson@textron.com> wrote:
>
> > Jim – I dropped the reimbursement check in the mail this afternoon. You should see it in a couple of days.
> >
> > Thanks, 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: Simpson, Greg - Corporate EHS
Sent: Thursday, March 09, 2017 1:50 PM
To: 'Jim Cody' <jcody@buffaloseminary.org>
Subject: RE: Utility Check

Hello Jim.

I hope all is well. Yes, I paid the vendor (Brundage) for the battery replacement back in January. Hopefully the system is working fine now.

The annual utility check is in process. You should see it within 2 weeks.

Please let me know if you have any questions.

Thanks, 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 [mailto:jcody@buffaloseminary.org]
Sent: Thursday, March 09, 2017 11:37 AM

To: Simpson, Greg - Corporate EHS <gsimpson@Textron.com>
Subject: Utility Check

Greg,

Good Morning Greg,

I sent you a note back in December about my DC Sump Pump system. Turns out it was a bad battery.

Also, Can you check on the yearly utility check. Perhaps it is already in the mail.

Thank you for looking into this.

Regards,

James J.Cody

--

James Cody

Director of Facilities / Maintenance

Phone: (716) 885-6780 ext 219

Fax: (716) 885-6785

E-Mail: jcody@buffaloseminary.org

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Appendix J

Niagara County Sewer District Semiannual Reports

CB&I
500 Penn Center Boulevard
Suite 1000
Pittsburgh, PA 15235
Tel: 412.372.7701
Fax: 412.380.4091
www.CBI.com

May 5, 2017

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, 2017

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. As part of a pilot program with the New York State Department of Environmental Conservation (the Department), Extraction Well EW-5 was taken off line and will remain inactive with the Department's concurrence.

CB&I Environmental & Infrastructure, Inc., on behalf of Textron, collected grab samples of the discharge from Extraction Well EW-6 location between April 18 and 19, 2017 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. 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.

Approximately 4,344,274 gallons of groundwater were extracted by the off-site system and discharged to the NCSD sanitary sewer between November 1, 2016 and May 1, 2017 as calculated through the sum of the individual well totalizers. The monthly discharge flow volumes are detailed on Tables 1 through 6, respectively.

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 7. Table 8 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 7 and 8, 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 2017 sampling event are provided in Appendix B.

Please do not hesitate to contact me at 412.858.3977 should you have any questions regarding this project.

Sincerely,
CB&I Environmental & Infrastructure, Inc.

Cecelia Byers
Project Manager
Telephone: 412.858.3977
E-Mail Address: cecelia.byers@cbi.com

CB:lmk
Attachments: Tables
Appendix A – Field Sampling Sheets
Appendix B – Analytical Report

cc: Greg Simpson – Textron, e-copy
CB&I – File

Tables

Table 1
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
November 1 - November 30, 2016
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)
11/01/16 08:03	16,926	6,403	6,336	0	29,665
11/02/16 08:03	17,047	6,225	6,121	0	29,393
11/03/16 08:03	17,252	6,287	6,051	0	29,590
11/04/16 08:03	17,386	7,076	7,202	0	31,664
11/05/16 08:03	17,656	6,981	7,289	0	31,926
11/06/16 08:03	17,794	6,827	7,175	0	31,796
11/07/16 08:03	17,666	6,678	7,121	0	31,465
11/08/16 08:03	17,497	6,378	7,217	0	31,092
11/09/16 08:03	17,370	6,114	7,036	0	30,520
11/10/16 08:03	17,266	5,842	6,924	0	30,032
11/11/16 08:03	17,215	5,690	6,915	0	29,820
11/12/16 08:03	17,119	5,608	6,674	0	29,401
11/13/16 08:03	17,013	5,510	6,612	0	29,135
11/14/16 08:03	16,913	5,366	6,142	0	28,421
11/15/16 08:03	16,826	5,277	6,088	0	28,191
11/16/16 08:03	16,780	5,259	5,834	0	27,873
11/17/16 08:03	16,747	5,207	5,649	0	27,603
11/18/16 08:03	16,708	5,127	5,439	0	27,274
11/19/16 08:03	16,693	5,123	5,488	0	27,304
11/20/16 08:03	16,662	5,225	5,571	0	27,458
11/21/16 08:03	16,615	5,237	5,546	0	27,398
11/22/16 08:03	16,530	5,179	5,470	0	27,179
11/23/16 08:03	16,472	5,105	5,447	0	27,024
11/24/16 08:03	16,448	5,047	5,241	0	26,736
11/25/16 08:03	16,411	5,073	5,239	0	26,723
11/26/16 08:03	16,382	5,062	5,416	0	26,860
11/27/16 08:03	16,302	5,079	5,304	0	26,685
11/28/16 08:03	16,251	5,075	5,124	0	26,450
11/29/16 08:03	16,171	5,067	5,123	0	26,361
11/30/16 08:03	16,151	5,402	3,495	0	25,048

Total Flow for November (gallons):	856,087
Maximum Daily Flow for November (gallons/day):	31,926
Average Daily Flow for November (gallons/day):	28,536

Table 2
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
December 1 - December 31, 2016
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)
12/01/16 08:03	16,342	10,168	4,989	0	31,499
12/02/16 08:03	16,499	10,209	5,957	0	32,665
12/03/16 08:03	16,353	10,193	5,814	0	32,360
12/04/16 08:03	16,202	10,166	5,463	0	31,831
12/05/16 08:03	16,080	10,142	5,287	0	31,509
12/06/16 08:03	15,941	10,104	5,141	0	31,186
12/07/16 08:03	15,843	10,079	5,112	0	31,034
12/08/16 08:03	15,749	10,081	5,130	0	30,960
12/09/16 08:03	15,682	10,079	4,719	0	30,480
12/10/16 08:03	15,622	10,085	4,425	0	30,132
12/11/16 08:03	15,578	10,103	4,226	0	29,907
12/12/16 08:20	15,668	4,765	4,215	0	24,648
12/13/16 08:03	15,200	5,356	3,975	0	24,531
12/14/16 08:03	15,359	5,984	3,937	0	25,280
12/15/16 08:20	15,541	5,960	3,872	0	25,373
12/16/16 08:03	15,117	5,745	3,541	0	24,403
12/17/16 08:03	15,201	5,784	3,409	0	24,394
12/18/16 08:03	15,090	5,829	3,324	0	24,243
12/19/16 08:03	15,034	5,944	3,284	0	24,262
12/20/16 08:03	15,015	5,970	3,428	0	24,413
12/21/16 08:03	14,898	6,100	4,974	0	25,972
12/22/16 08:03	14,748	6,063	4,936	0	25,747
12/23/16 08:03	14,494	5,981	4,722	0	25,197
12/24/16 08:03	14,283	5,944	4,915	0	25,142
12/25/16 08:03	14,233	6,353	5,207	0	25,793
12/26/16 08:03	14,259	6,679	5,623	0	26,561
12/27/16 08:03	14,256	7,038	6,072	0	27,366
12/28/16 08:03	14,226	7,349	7,176	0	28,751
12/29/16 08:03	14,091	7,111	6,914	0	28,116
12/30/16 08:03	13,951	6,990	6,745	0	27,686
12/31/16 08:03	13,820	6,822	6,367	0	27,009

Total Flow for December (gallons):	858,450
Maximum Daily Flow for December (gallons/day):	32,665
Average Daily Flow for December (gallons/day):	27,692

Table 3
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
January 1 - Janaury 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)
01/01/17 08:03	13,718	6,734	6,206	0	26,658
01/02/17 08:03	13,613	6,723	6,090	0	26,426
01/03/17 08:03	13,481	6,662	5,950	0	26,093
01/04/17 08:03	13,459	7,103	6,412	0	26,974
01/05/17 08:03	13,393	7,345	6,794	0	27,532
01/06/17 08:03	13,231	7,060	6,352	0	26,643
01/07/17 08:03	13,079	6,854	5,925	0	25,858
01/08/17 08:03	12,950	6,708	5,545	0	25,203
01/09/17 08:03	12,817	6,477	5,277	0	24,571
01/10/17 08:03	12,697	6,357	5,119	0	24,173
01/11/17 08:03	12,592	6,438	5,466	0	24,496
01/12/17 08:03	12,533	6,644	5,717	0	24,894
01/13/17 08:03	12,496	6,981	6,151	0	25,628
01/14/17 08:03	12,453	6,973	6,192	0	25,618
01/15/17 08:03	12,395	6,831	6,089	0	25,315
01/16/17 08:03	12,355	6,566	5,795	0	24,716
01/17/17 08:03	12,335	6,372	5,528	0	24,235
01/18/17 08:03	12,394	6,827	6,273	0	25,494
01/19/17 08:03	12,388	7,074	6,591	0	26,053
01/20/17 08:03	12,305	6,914	6,239	0	25,458
01/21/17 08:03	12,239	6,834	6,195	0	25,268
01/22/17 08:03	12,210	6,785	6,210	0	25,205
01/23/17 08:03	12,165	6,724	6,281	0	25,170
01/24/17 08:03	12,102	6,663	6,344	0	25,109
01/25/17 08:03	12,027	6,610	6,591	0	25,228
01/26/17 08:03	11,944	6,589	6,258	0	24,791
01/27/17 08:03	11,883	6,613	6,599	0	25,095
01/28/17 08:03	11,788	6,648	6,661	0	25,097
01/29/17 08:03	11,731	6,565	6,333	0	24,629
01/30/17 08:03	11,676	6,460	5,908	0	24,044
01/31/17 08:03	11,616	6,347	5,327	0	23,290

Total Flow for January (gallons):	784,964
Maximum Daily Flow for January (gallons/day):	27,532
Average Daily Flow for Janaury (gallons/day):	25,321

Green - indicates a calculated daily flow rate based on remote telemetry.

Table 4
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
February 1 - February 28, 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)
02/01/17 08:03	11,570	6,281	4,810	0	22,661
02/02/17 08:03	11,519	6,190	4,504	0	22,213
02/03/17 08:03	11,438	6,111	4,036	0	21,585
02/04/17 08:03	11,377	6,048	3,805	0	21,230
02/05/17 08:03	11,308	5,998	3,627	0	20,933
02/06/17 08:03	11,227	5,956	3,291	0	20,474
02/07/17 08:03	11,152	5,934	2,521	0	19,607
02/08/17 08:03	11,148	6,531	3,420	0	21,099
02/09/17 08:03	11,148	6,531	3,420	0	21,099
02/10/17 08:03	11,011	6,745	3,972	0	21,728
02/11/17 08:03	10,933	6,632	4,046	0	21,611
02/12/17 08:03	10,874	6,532	3,581	0	20,987
02/13/17 08:03	10,904	6,933	4,439	0	22,276
02/14/17 08:03	10,864	7,044	4,100	0	22,008
02/15/17 08:03	10,805	7,033	4,932	0	22,770
02/16/17 08:03	10,793	7,038	5,411	0	23,242
02/17/17 08:03	10,825	6,964	5,567	0	23,356
02/18/17 08:03	10,822	6,919	5,490	0	23,231
02/19/17 08:03	10,798	6,929	5,121	0	22,848
02/20/17 08:03	10,771	6,905	5,149	0	22,825
02/21/17 08:03	10,704	6,766	4,981	0	22,451
02/22/17 08:03	10,661	6,603	4,197	0	21,461
02/23/17 08:03	10,624	6,512	4,138	0	21,274
02/24/17 08:03	10,570	6,460	4,319	0	21,349
02/25/17 08:03	10,539	6,647	4,733	0	21,919
02/26/17 08:03	10,600	7,341	5,647	0	23,588
02/27/17 08:03	10,612	7,350	5,465	0	23,427
02/28/17 08:03	10,572	7,173	5,051	0	22,796

Total Flow for February (gallons):	616,048
Maximum Daily Flow for February (gallons/day):	23,588
Average Daily Flow for February (gallons/day):	22,002

Green - indicates an averaged daily flow rate.

Table 5
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
March 1 - March 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)
03/01/17 08:03	10,542	7,137	4,892	0	22,571
03/02/17 08:03	10,563	7,400	5,269	0	23,232
03/03/17 08:03	10,495	7,201	5,031	0	22,727
03/04/17 08:03	10,425	6,966	4,079	0	21,470
03/05/17 08:03	10,327	6,790	3,680	0	20,797
03/06/17 08:03	10,239	6,699	3,630	0	20,568
03/07/17 08:03	10,172	6,621	3,291	0	20,084
03/08/17 08:03	10,285	7,017	4,108	0	21,410
03/09/17 08:03	10,507	7,243	4,365	0	22,115
03/10/17 08:03	10,547	7,042	3,904	0	21,493
03/11/17 08:03	10,483	6,872	3,529	0	20,884
03/12/17 08:03	10,386	6,753	3,077	0	20,216
03/13/17 08:03	10,306	6,700	2,788	0	19,794
03/14/17 08:03	10,240	6,596	2,290	0	19,126
03/15/17 08:03	10,188	6,475	2,061	0	18,724
03/16/17 08:03	10,119	6,361	1,784	0	18,264
03/17/17 08:03	10,056	6,296	1,411	0	17,763
03/18/17 08:03	10,073	6,412	1,409	0	17,894
03/19/17 08:03	10,073	6,627	1,434	0	18,134
03/20/17 08:03	10,090	6,924	826	0	17,840
03/21/17 08:03	10,109	7,203	920	0	18,232
03/22/17 08:03	10,145	8,173	1,265	0	19,583
03/23/17 08:03	10,249	8,008	1,850	0	20,107
03/24/17 08:03	10,206	7,368	1,850	0	19,424
03/25/17 08:03	10,148	7,443	3,042	0	20,633
03/26/17 08:03	10,096	8,899	4,805	0	23,800
03/27/17 08:03	10,144	8,505	5,029	0	23,678
03/28/17 08:03	10,144	7,649	4,942	0	22,735
03/29/17 08:03	10,037	7,382	4,418	0	21,837
03/30/17 08:03	9,943	7,145	4,410	0	21,498
03/31/17 08:03	9,873	7,183	4,835	0	21,891

Total Flow for March (gallons):	638,524
Maximum Daily Flow for March (gallons/day):	23,800
Average Daily Flow for March (gallons/day):	20,598

Table 6
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
April 1 - April 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)
04/01/17 08:03	9,881	9,474	7,010	0	26,365
04/02/17 08:03	10,037	9,715	0	0	19,752
04/03/17 08:03	10,090	7,936	0	0	18,026
04/04/17 08:03	10,226	8,841	0	0	19,067
04/05/17 08:03	10,300	11,305	0	0	21,605
04/06/17 08:03	10,319	10,756	0	0	21,075
04/07/17 08:03	5,761	10,384	6	0	16,151
04/08/17 08:03	299	2,774	0	0	3,073
04/09/17 08:03	260	1,121	0	0	1,381
04/10/17 08:03	6,707	123	0	0	6,830
04/11/17 08:03	9,816	52	1	0	9,869
04/12/17 08:03	12,387	0	1	0	12,388
04/13/17 08:03	11,660	3,606	2,953	0	18,219
04/14/17 08:03	11,965	4,507	3,674	0	20,146
04/15/17 08:03	12,432	4,391	3,741	0	20,564
04/16/17 08:03	12,561	4,293	3,892	0	20,746
04/17/17 08:03	12,720	4,160	4,014	0	20,894
04/18/17 08:03	12,765	4,079	4,060	0	20,904
04/19/17 08:03	12,726	4,019	4,198	0	20,943
04/20/17 08:03	2,106	6,585	4,333	0	13,024
04/21/17 08:03	10,521	8,152	9,273	0	27,946
04/22/17 08:03	13,085	8,998	8,224	0	30,307
04/23/17 08:03	13,054	7,724	5,624	0	26,402
04/24/17 08:03	12,993	7,181	5,261	0	25,435
04/25/17 08:03	12,986	6,933	5,084	0	25,003
04/26/17 08:03	13,015	7,068	5,256	0	25,339
04/27/17 08:03	13,010	7,057	5,234	0	25,301
04/28/17 08:03	12,979	6,912	5,027	0	24,918
04/29/17 08:03	12,983	6,771	4,699	0	24,453
04/30/17 08:03	12,995	6,743	4,337	0	24,075

Total Flow for April (gallons):	590,201
Maximum Daily Flow for April (gallons/day):	30,307
Average Daily Flow for April (gallons/day):	19,673

Table 7
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
April 18 - 19, 2017
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	0.0000201	20,904	< 0.0000000035	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 8
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc., Wheatfield, New York
Permit No. 16-07
April 18 - 19, 2017
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	< 1.0	20,904	< 0.000174444	1.0
1,2-Dichloroethene (Total)	26.0	20,904	0.004535541	2.500
Vinyl Chloride	< 1.0	20,904	< 0.000174444	0.4000
Methylene Chloride	< 1.0	20,904	< 0.000174444	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}

Appendix A

Field Sampling Sheets

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

40463

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	Project Number: 156045
Project Manager: CECILIA CAMPBELL	Report CC:
Company/Address: CB&I 13 BRITISH AMERICAN BLVD. LATHAM, NY 12110	
Phone #: 518-783-1996	Email: CECILIA.DYERS@CBI.COM
Sampler's Signature: Kevin Cronin	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 8

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP	GC/MS SVOAs ◦ 8270 ◦ 625	GC VOAs ◦ 8021 ◦ 601/602	PESTICIDES ◦ 8081 ◦ 608	PCBs ◦ 8082 ◦ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
~~BATCH 6 DUMP~~		~~4/10/17~~	~~1450~~	~~W~~	~~3~~	~~X~~		~~X~~					
EW-6 GRAB 1		4/18/17	1150	W	3	X							COMPOSITE INTO 1 SAMPLE CALLED MH No. 9-3
EW-6 GRAB 2			1600		3	X							
EW-6 GRAB 3		↓	2350		3	X							
EW-6 GRAB 4		4/19/17	0700	↓	3	X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

SPECIAL INSTRUCTIONS/COMMENTS

Metals

COMPOSITE SAMPLES INTO ONE SAMPLE REPORTED AS MH No. 9-3

See QAPP ☐

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day

STD

REQUESTED REPORT DATE

_____

REPORT REQUIREMENTS

X 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: NY

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Kevin Cronin	Signature: Scott Seavey	Signature	Signature	Signature	Signature
Printed Name: KEVIN CRONIN	Printed Name: SCOTT SEAVEY	Printed Name	Printed Name	Printed Name	Printed Name
Firm: CB&I	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 4/19/17 1050	Date/Time: 4/19/17 1050	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

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TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Textron, Wheatfield, NY
Project Number: 156045
NCSD Permit Number: 16-07
Sample Location: EW- 6
Date: April 18, 2017
Time: 1150
Field Personnel: K. Cronin B. Urban (ALS)

Physical Condition of Location: Good
Ambient Temperature: ~ 48°
Wind: 10-15 MPH EAST
Precipitation: 0

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624
Totalizer:

Notes: COLLECTED LOW LEVEL Hg SAMPLE @ 1150 4/18/17

Sampler Signature: Kyri Cronin

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Textron, Wheatfield, NY
Project Number: 156045
NCSD Permit Number: 16-07
Sample Location: EW- 6
Date: April 18, 2017
Time: 1000
Field Personnel: K. Cronin ~~B. Urban (ALS)~~ KC

Physical Condition of Location: Good
Ambient Temperature: ~ 60°F
Wind: LIGHT
Precipitation: 0

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624
Totalizer:

Notes: GRAB # 2

Sampler Signature: Kyn Cr

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Textron, Wheatfield, NY
Project Number: 156045
NCSD Permit Number: 16-07
Sample Location: EW- 6
Date: April 18, 2017
Time: 2350
Field Personnel: K. Cronin ~~B. Urban (ALS)~~ BC

Physical Condition of Location: Good
Ambient Temperature: 43°
Wind: Light
Precipitation: Dew

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624
Totalizer:

Notes: GRAB # 3

Sampler Signature: [signature]

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Textron, Wheatfield, NY
Project Number: 156045
NCSD Permit Number: 16-07
Sample Location: EW- 6
Date: April 18, 2017
Time: 19 0700
Field Personnel: K. Cronin ~~B. Urban (ALS)~~ KC

Physical Condition of Location: Good
Ambient Temperature: ~ 50°
Wind: LIGHT
Precipitation: SCATTERED SHOWERS

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3
Sample Description: Clear
Analysis Requested: EPA Method 624
Totalizer:

Notes: GRAB # 4

Sampler Signature: Kevin Cronin

Appendix B

Analytical Report

April 28, 2017 Service Request No:R1703440

Ms. Cecelia Byers
CB&I Environmental & Infrastructure
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 April 19, 2017
For your reference, these analyses have been assigned our service request number **R1703440.**

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: CB&I
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request:R1703440
Date Received:4/19/17

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 04/19/2017. 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.

Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

Metals Analyses:

No significant anomalies were noted with this analysis.

Sample Receiving Notes:

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).

Approved by _____ Date 4/28/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: MH No. 9-3	Lab ID: R1703440-001					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Mercury, Total	20.1		0.4	1.0	ng/L	1631E
1,2-Dichloroethene, Total	26			2.0	ug/L	624

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: CB&I **Service Request:**R1703440

Project: Textron Wheatfield/156045

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1703440-001	MH No. 9-3	4/19/2017	0700
R1703440-002	TRIP BLANK	4/19/2017	0700

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

40463

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

Project Name: TEXTRON WHEATFIELD	Project Number: 156045
Project Manager: CECELIA CAMPBELL	Report CC:
Company/Address: CB & I 13 BRITISH AMERICAN BLVD. LATHAM, NY 12110	
Phone #: 518-783-1996	Email: CECELIA.BYERS@CBI.COM
Sampler's Signature: Kevin Cronin	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 8

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 X CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
~~BAT-EW-6 170418~~		4/18/17	1150	W	3	X	—	KCC					
EW-6 GRAB 1		4/18/17	1150	W	3	X							COMPOSITE INTO 1 SAMPLE CALLED MH No. 9-3
EW-6 GRAB 2		↓	1800	↓	3	X							
EW-6 GRAB 3		↓	2350	↓	3	X							
EW-6 GRAB 4		4/19/17	0700	↓	3	X							
~~H03~~ EW-6											X		

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

SPECIAL INSTRUCTIONS/COMMENTS

Metals

COMPOSITE SAMPLES INTO ONE SAMPLE REPORTED AS MH No. 9-3
1631 added as per Cecelia Byers ems 4/20/17

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED: NY

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
STD.

REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS

X 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:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Kevin Cronin	Signature: Scott Seavy	Signature: Scott Seavy	Signature: Gregory G. Esmerian	Signature:	Signature:
Printed Name: KEVIN CRONIN	Printed Name: SCOTT SEAVY	Printed Name: SCOTT SEAVY	Printed Name: GREGORY G. ESMERIAN	Printed Name:	Printed Name:
Firm: CB&I	Firm: ALS	Firm: ALS	Firm: ALS	Firm:	Firm:
Date/Time: 4/19/17 1050	Date/Time: 4/19/17 1050	Date/Time: 4/19/17 1230	Date/Time: 4-19-17 12:30	Date/Time:	Date/Time:

R1703440 5
CB&I Environmental & Infrastructure
Textron Wheatfield

Distribution: White - Lab Copy; Yellow - Return to Originator

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Cooler Receipt and Preservation Check Form

R1703440 5

CB&I Environmental & Infrastructure
Textron Wheatfield

Project/Client CB&I Folder Number .

Cooler received on 4-19-17 by: ME

COURIER: (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: (**Wet Ice**) **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? (ALS/ROC) CLIENT	
7	Soil VOA received as: Bulk Encore 5035set (NA)	

8. Temperature Readings Date: 4-19-17 Time: 12:45 ID: IR#7 (IR#8) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	1.7						
Correction Factor (°C)	+0.4						
Corrected Temp (°C)	2.1						
Temp from:Type of bottle	voa vial						
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 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 ME on 4-19-17 at 1247
5035 samples placed in storage location: by on at

Cooler Breakdown: Date: 4/19/17 Time: 1358 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 (N/A)
13.	Air Samples: Cassettes / Tubes Intact	Canisters Pressurized	Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 6-222-001

Explain all Discrepancies/ Other Comments:

Rec'd Trip Blank not on COC

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

Labels secondary reviewed by: @
PC Secondary Review: JMS 4/20/17

*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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: 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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Accredited	Nebraska Accredited	
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

[1] Analyses were performed according to our laboratoryôs 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 http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

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.

Client: CB&I **Service Request:** R1703440
Project: Textron Wheatfield/156045

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
624	Water	1,2-Dichloroethene, Total

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045		

Sample Name:	MH No. 9-3	**Date Collected:**	04/19/17
Lab Code:	R1703440-001	**Date Received:**	04/19/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
1631E		CKUTZER
624		KRUEST

Sample Name:	TRIP BLANK	**Date Collected:**	04/19/17
Lab Code:	R1703440-002	**Date Received:**	04/19/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
624		KRUEST

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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www.alsglobal.com

Analytical Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	04/19/17 07:00
Sample Matrix:	Water	**Date Received:**	04/19/17 12:30
Sample Name:	MH No. 9-3	**Units:**	ug/L
Lab Code:	R1703440-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	04/19/17 18:11	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	04/19/17 18:11	
1,1,2-Trichloroethane	1.0	U	1.0	1	04/19/17 18:11	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	04/19/17 18:11	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	04/19/17 18:11	
1,2-Dichlorobenzene	1.0	U	1.0	1	04/19/17 18:11	
1,2-Dichloroethane	1.0	U	1.0	1	04/19/17 18:11	
1,2-Dichloropropane	1.0	U	1.0	1	04/19/17 18:11	
1,3-Dichlorobenzene	1.0	U	1.0	1	04/19/17 18:11	
1,4-Dichlorobenzene	1.0	U	1.0	1	04/19/17 18:11	
2-Chloroethyl Vinyl Ether	10	U	10	1	04/19/17 18:11	
Acrolein	10	U	10	1	04/19/17 18:11	
Acrylonitrile	10	U	10	1	04/19/17 18:11	
Benzene	1.0	U	1.0	1	04/19/17 18:11	
Bromodichloromethane	1.0	U	1.0	1	04/19/17 18:11	
Bromoform	1.0	U	1.0	1	04/19/17 18:11	
Bromomethane	1.0	U	1.0	1	04/19/17 18:11	
Carbon Tetrachloride	1.0	U	1.0	1	04/19/17 18:11	
Chlorobenzene	1.0	U	1.0	1	04/19/17 18:11	
Chloroethane	1.0	U	1.0	1	04/19/17 18:11	
Chloroform	1.0	U	1.0	1	04/19/17 18:11	
Chloromethane	1.0	U	1.0	1	04/19/17 18:11	
Chlorodibromomethane	1.0	U	1.0	1	04/19/17 18:11	
Methylene Chloride	1.0	U	1.0	1	04/19/17 18:11	
Ethylbenzene	1.0	U	1.0	1	04/19/17 18:11	
Tetrachloroethene (PCE)	1.0	U	1.0	1	04/19/17 18:11	
Toluene	1.0	U	1.0	1	04/19/17 18:11	
Trichloroethene (TCE)	1.0	U	1.0	1	04/19/17 18:11	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	04/19/17 18:11	
Vinyl Chloride	1.0	U	1.0	1	04/19/17 18:11	
cis-1,3-Dichloropropene	1.0	U	1.0	1	04/19/17 18:11	
trans-1,3-Dichloropropene	1.0	U	1.0	1	04/19/17 18:11	
1,2-Dichloroethene, Total	**26**		2.0	1	04/19/17 18:11	

Analytical Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	04/19/17 07:00
Sample Matrix:	Water	**Date Received:**	04/19/17 12:30
Sample Name:	MH No. 9-3	**Units:**	ug/L
Lab Code:	R1703440-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	112	81 - 127	04/19/17 18:11	
4-Bromofluorobenzene	111	79 - 123	04/19/17 18:11	
Toluene-d8	118	83 - 120	04/19/17 18:11	

Analytical Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	04/19/17 07:00
Sample Matrix:	Water	**Date Received:**	04/19/17 12:30
Sample Name:	TRIP BLANK	**Units:**	ug/L
Lab Code:	R1703440-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	04/19/17 16:09	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	04/19/17 16:09	
1,1,2-Trichloroethane	1.0	U	1.0	1	04/19/17 16:09	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	04/19/17 16:09	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	04/19/17 16:09	
1,2-Dichlorobenzene	1.0	U	1.0	1	04/19/17 16:09	
1,2-Dichloroethane	1.0	U	1.0	1	04/19/17 16:09	
1,2-Dichloropropane	1.0	U	1.0	1	04/19/17 16:09	
1,3-Dichlorobenzene	1.0	U	1.0	1	04/19/17 16:09	
1,4-Dichlorobenzene	1.0	U	1.0	1	04/19/17 16:09	
2-Chloroethyl Vinyl Ether	10	U	10	1	04/19/17 16:09	
Acrolein	10	U	10	1	04/19/17 16:09	
Acrylonitrile	10	U	10	1	04/19/17 16:09	
Benzene	1.0	U	1.0	1	04/19/17 16:09	
Bromodichloromethane	1.0	U	1.0	1	04/19/17 16:09	
Bromoform	1.0	U	1.0	1	04/19/17 16:09	
Bromomethane	1.0	U	1.0	1	04/19/17 16:09	
Carbon Tetrachloride	1.0	U	1.0	1	04/19/17 16:09	
Chlorobenzene	1.0	U	1.0	1	04/19/17 16:09	
Chloroethane	1.0	U	1.0	1	04/19/17 16:09	
Chloroform	1.0	U	1.0	1	04/19/17 16:09	
Chloromethane	1.0	U	1.0	1	04/19/17 16:09	
Chlorodibromomethane	1.0	U	1.0	1	04/19/17 16:09	
Methylene Chloride	1.0	U	1.0	1	04/19/17 16:09	
Ethylbenzene	1.0	U	1.0	1	04/19/17 16:09	
Tetrachloroethene (PCE)	1.0	U	1.0	1	04/19/17 16:09	
Toluene	1.0	U	1.0	1	04/19/17 16:09	
Trichloroethene (TCE)	1.0	U	1.0	1	04/19/17 16:09	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	04/19/17 16:09	
Vinyl Chloride	1.0	U	1.0	1	04/19/17 16:09	
cis-1,3-Dichloropropene	1.0	U	1.0	1	04/19/17 16:09	
trans-1,3-Dichloropropene	1.0	U	1.0	1	04/19/17 16:09	
1,2-Dichloroethene, Total	2.0	U	2.0	1	04/19/17 16:09	

Analytical Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	04/19/17 07:00
Sample Matrix:	Water	**Date Received:**	04/19/17 12:30
Sample Name:	TRIP BLANK	**Units:**	ug/L
Lab Code:	R1703440-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	109	81 - 127	04/19/17 16:09	
4-Bromofluorobenzene	112	79 - 123	04/19/17 16:09	
Toluene-d8	118	83 - 120	04/19/17 16:09	

Metals

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Analytical Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	04/19/17 07:00
Sample Matrix:	Water	**Date Received:**	04/19/17 12:30
Sample Name:	MH No. 9-3	**Basis:**	NA
Lab Code:	R1703440-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Mercury, Total	1631E	**20.1**	ng/L	1.0	1	04/25/17 16:33	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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www.alsglobal.com

Client: CB&I **Service Request:** R1703440

Project: Textron Wheatfield/156045

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624

Extraction Method: EPA 5030C

Sample Name	Lab Code	1,2-Dichloroethane-d4 81 - 127	4-Bromofluorobenzene 79 - 123	Toluene-d8 83 - 120
MH No. 9-3	R1703440-001	112	111	118
TRIP BLANK	R1703440-002	109	112	118
Lab Control Sample	RQ1703358-03	108	112	112
Method Blank	RQ1703358-04	114	112	118

Analytical Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1703358-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	04/19/17 11:54	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	04/19/17 11:54	
1,1,2-Trichloroethane	1.0	U	1.0	1	04/19/17 11:54	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	04/19/17 11:54	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	04/19/17 11:54	
1,2-Dichlorobenzene	1.0	U	1.0	1	04/19/17 11:54	
1,2-Dichloroethane	1.0	U	1.0	1	04/19/17 11:54	
1,2-Dichloropropane	1.0	U	1.0	1	04/19/17 11:54	
1,3-Dichlorobenzene	1.0	U	1.0	1	04/19/17 11:54	
1,4-Dichlorobenzene	1.0	U	1.0	1	04/19/17 11:54	
2-Chloroethyl Vinyl Ether	10	U	10	1	04/19/17 11:54	
Acrolein	10	U	10	1	04/19/17 11:54	
Acrylonitrile	10	U	10	1	04/19/17 11:54	
Benzene	1.0	U	1.0	1	04/19/17 11:54	
Bromodichloromethane	1.0	U	1.0	1	04/19/17 11:54	
Bromoform	1.0	U	1.0	1	04/19/17 11:54	
Bromomethane	1.0	U	1.0	1	04/19/17 11:54	
Carbon Tetrachloride	1.0	U	1.0	1	04/19/17 11:54	
Chlorobenzene	1.0	U	1.0	1	04/19/17 11:54	
Chloroethane	1.0	U	1.0	1	04/19/17 11:54	
Chloroform	1.0	U	1.0	1	04/19/17 11:54	
Chloromethane	1.0	U	1.0	1	04/19/17 11:54	
Chlorodibromomethane	1.0	U	1.0	1	04/19/17 11:54	
Methylene Chloride	1.0	U	1.0	1	04/19/17 11:54	
Ethylbenzene	1.0	U	1.0	1	04/19/17 11:54	
Tetrachloroethene (PCE)	1.0	U	1.0	1	04/19/17 11:54	
Toluene	1.0	U	1.0	1	04/19/17 11:54	
Trichloroethene (TCE)	1.0	U	1.0	1	04/19/17 11:54	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	04/19/17 11:54	
Vinyl Chloride	1.0	U	1.0	1	04/19/17 11:54	
cis-1,3-Dichloropropene	1.0	U	1.0	1	04/19/17 11:54	
trans-1,3-Dichloropropene	1.0	U	1.0	1	04/19/17 11:54	
1,2-Dichloroethene, Total	2.0	U	2.0	1	04/19/17 11:54	

Analytical Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1703358-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	81 - 127	04/19/17 11:54	
4-Bromofluorobenzene	112	79 - 123	04/19/17 11:54	
Toluene-d8	118	83 - 120	04/19/17 11:54	

Client: CB&I
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1703440
Date Analyzed: 04/19/17

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
RQ1703358-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	624	18.9	20.0	95	52-162
1,1,2,2-Tetrachloroethane	624	20.6	20.0	103	46-157
1,1,2-Trichloroethane	624	21.1	20.0	106	52-150
1,1-Dichloroethane (1,1-DCA)	624	19.4	20.0	97	59-155
1,1-Dichloroethene (1,1-DCE)	624	20.6	20.0	103	10-234
1,2-Dichlorobenzene	624	20.1	20.0	101	18-190
1,2-Dichloroethane	624	19.9	20.0	99	49-155
1,2-Dichloropropane	624	18.6	20.0	93	10-210
1,3-Dichlorobenzene	624	20.0	20.0	100	59-156
1,4-Dichlorobenzene	624	19.7	20.0	98	18-190
2-Chloroethyl Vinyl Ether	624	19.3	20.0	96	10-305
Acrolein	624	30.5	40.0	76	10-186
Acrylonitrile	624	99.0	100	99	70-130
Benzene	624	19.1	20.0	95	37-151
Bromodichloromethane	624	20.0	20.0	100	35-155
Bromoform	624	20.3	20.0	102	45-169
Bromomethane	624	13.5	20.0	68	10-242
Carbon Tetrachloride	624	18.9	20.0	95	70-140
Chlorobenzene	624	20.4	20.0	102	37-160
Chloroethane	624	16.7	20.0	84	14-230
Chloroform	624	20.3	20.0	101	51-138
Chloromethane	624	17.6	20.0	88	10-273
Chlorodibromomethane	624	19.9	20.0	99	53-149
Methylene Chloride	624	19.2	20.0	96	10-221
Ethylbenzene	624	21.2	20.0	106	37-162
Tetrachloroethene (PCE)	624	20.0	20.0	100	64-148
Toluene	624	19.4	20.0	97	47-150
Trichloroethene (TCE)	624	20.3	20.0	102	71-157
Trichlorofluoromethane (CFC 11)	624	22.2	20.0	111	17-181
Vinyl Chloride	624	25.6	20.0	128	10-251
cis-1,3-Dichloropropene	624	18.9	20.0	94	10-227
trans-1,3-Dichloropropene	624	19.4	20.0	97	17-183

Metals

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

Analytical Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1703440-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Mercury, Total	1631E	1.0 U	ng/L	1.0	1	04/25/17 14:13	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	CB&I	**Service Request:**	R1703440
Project:	Textron Wheatfield/156045	**Date Collected:**	04/19/17
Sample Matrix:	Water	**Date Received:**	04/19/17
		Date Analyzed:	04/25/17

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name:	MH No. 9-3	**Units:**	ng/L
Lab Code:	R1703440-001	**Basis:**	NA
Analysis Method:	1631E		

		Matrix Spike R1703440-001MS			Duplicate Matrix Spike R1703440-001DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Mercury, Total	20.1	25.2	5.0	102 #	25.1	5.0	100 #	71-125	<1	24

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.

Client: CB&I
Project: Textron Wheatfield/156045
Sample Matrix: Water

Service Request: R1703440
Date Analyzed: 04/25/17

Lab Control Sample Summary
Inorganic Parameters

Units:ng/L
Basis:NA

Lab Control Sample
R1703440-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Mercury, Total	1631E	5.37	5.0	107	77-128

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

November 14, 2017

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: October 5-6, 2017

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. As part of a pilot program with the New York State Department of Environmental Conservation (the Department), Extraction Well EW-5 was taken off line and will remain inactive with the Department's concurrence.

Aptim Environmental & Infrastructure, Inc. (APTIM), on behalf of Textron, collected grab samples of the discharge from Extraction Well EW-6 between October 5 and 6, 2017 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. All sampling and analytical activities were conducted in accordance with the requirements stated in NCSD Permit No. 16-07 and the April 20, 2016 addendum to Permit No. 16-07. The low level mercury sample was collected during the April 2017 sampling event as required by the Permit addendum.

Approximately 2,108,316 gallons of groundwater were extracted by the off-site system and discharged to the NCSD sanitary sewer between May 1, 2017 and November 1, 2017 as calculated through the sum of the individual well totalizers. The monthly discharge flow volumes are detailed on Tables 1 through 6.

Table 7 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 7, 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 2017 sampling event are provided in Appendix B.

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

Tables

Table 1
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc.
Wheatfield, New York
Permit Number: 16-07
May 1-May 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)
05/01/17 08:03	12,964	7,575	4,928	0	25,467
05/02/17 08:03	5,533	11,855	10,964	0	**28,352**
05/03/17 08:03	0	13,398	1,612	0	15,010
05/04/17 08:03	0	12,854	0	0	12,854
05/05/17 08:03	0	11,823	0	0	11,823
05/06/17 08:03	0	8,819	1,436	0	10,255
05/07/17 08:03	0	1,144	4,322	0	5,466
05/08/17 08:03	0	581	0	0	581
05/09/17 08:03	9,592	3,034	0	0	12,626
05/10/17 08:03	13,530	0	0	0	13,530
05/11/17 08:03	13,624	0	0	0	13,624
05/12/17 08:03	13,366	0	1	0	13,367
05/13/17 08:03	13,460	0	0	0	13,460
05/14/17 08:03	13,575	0	0	0	13,575
05/15/17 08:03	13,202	0	0	0	13,202
05/16/17 08:03	13,305	0	0	0	13,305
05/17/17 08:03	13,260	0	0	0	13,260
05/18/17 08:03	13,170	0	0	0	13,170
05/19/17 08:03	13,194	0	0	0	13,194
05/20/17 08:03	13,290	0	0	0	13,290
05/21/17 08:19	13,595	0	0	0	13,595
05/22/17 08:03	13,324	0	16	0	13,340
05/23/17 08:03	13,466	0	7	0	13,473
05/24/17 08:03	13,441	0	20	0	13,461
05/25/17 08:03	13,399	0	22	0	13,421
05/26/17 08:03	13,767	2	7	0	13,776
05/27/17 08:03	13,423	1	4	0	13,428
05/28/17 08:03	13,456	1	5	0	13,462
05/29/17 08:03	13,364	0	1	0	13,365
05/30/17 08:03	13,290	0	2	0	13,292
05/31/17 08:03	13,237	0	3	0	13,240

Total Flow for May (gallons):	417,264
Maximum Daily Flow for May (gallons/day):	28,352
Average Daily Flow for May (gallons/day):	13,460

Table 2
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc.
Wheatfield, New York
Permit Number: 16-07
June 1-June 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)
06/01/17 08:03	13,157	1	7	0	13,165
06/02/17 08:03	13,099	0	22	0	13,121
06/03/17 08:03	13,013	0	1	0	13,014
06/04/17 08:03	12,925	2	98	0	13,025
06/05/17 08:03	**8,543**	**0**	**35**	**0**	8,578
06/06/17 08:08	17,072	1	32	0	**17,105**
06/07/17 08:03	12,632	0	23	0	12,655
06/08/17 08:03	12,640	2	114	0	12,756
06/09/17 08:03	12,590	0	0	0	12,590
06/10/17 08:03	12,527	0	142	0	12,669
06/11/17 08:03	12,436	0	19	0	12,455
06/12/17 08:03	12,337	0	36	0	12,373
06/13/17 08:03	12,242	0	152	0	12,394
06/14/17 08:03	12,174	0	1	0	12,175
06/15/17 08:03	12,140	0	3	0	12,143
06/16/17 08:03	12,115	0	253	0	12,368
06/17/17 08:03	12,057	0	0	0	12,057
06/18/17 08:03	12,033	0	10	0	12,043
06/19/17 08:03	11,958	0	0	0	11,958
06/20/17 08:03	11,920	0	350	0	12,270
06/21/17 08:19	11,988	0	236	0	12,224
06/22/17 08:03	11,626	0	0	0	11,626
06/23/17 08:03	11,677	0	0	0	11,677
06/24/17 08:03	11,621	0	0	0	11,621
06/25/17 08:03	11,560	0	0	0	11,560
06/26/17 08:03	11,491	0	31	0	11,522
06/27/17 08:03	11,377	0	314	0	11,691
06/28/17 08:03	11,463	0	0	0	11,463
06/29/17 08:19	11,455	0	1,242	0	12,697
06/30/17 08:03	10,827	0	5,384	0	16,211

Total Flow for June (gallons):	373,206
Maximum Daily Flow for June (gallons/day):	17,105
Average Daily Flow for June (gallons/day):	12,440

Table 3
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc.
Wheatfield, New York
Permit Number: 16-07
July 1-July 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)
07/01/17 08:03	10,815	0	5,402	0	16,217
07/02/17 08:03	10,700	0	5,378	0	16,078
07/03/17 08:03	10,588	0	5,348	0	15,936
07/04/17 08:03	10,466	0	5,273	0	15,739
07/05/17 08:03	10,351	0	5,248	0	15,599
07/06/17 08:03	6,832	0	3,528	0	10,360
07/07/17 08:03	13,762	0	7,286	0	21,048
07/08/17 08:03	10,505	0	2,262	0	12,767
07/09/17 08:03	10,688	0	14	0	10,702
07/10/17 08:03	10,513	0	0	0	10,513
07/11/17 08:03	10,388	0	0	0	10,388
07/12/17 08:03	10,284	0	0	0	10,284
07/13/17 08:03	10,192	0	29	0	10,221
07/14/17 08:03	10,376	0	951	0	11,327
07/15/17 08:03	10,314	0	147	0	10,461
07/16/17 08:03	10,183	0	266	0	10,449
07/17/17 08:03	10,121	0	168	0	10,289
07/18/17 08:03	10,117	0	294	0	10,411
07/19/17 08:03	10,053	0	101	0	10,154
07/20/17 08:03	10,039	0	0	0	10,039
07/21/17 08:03	10,090	0	0	0	10,090
07/22/17 08:03	6,676	0	0	0	6,676
07/23/17 08:03	9,978	0	0	0	9,978
07/24/17 08:03	9,881	0	0	0	9,881
07/25/17 08:03	13,242	0	0	0	13,242
07/26/17 08:03	9,906	0	0	0	9,906
07/27/17 08:03	9,867	0	0	0	9,867
07/28/17 08:03	9,796	0	0	0	9,796
07/29/17 08:03	9,674	0	0	0	9,674
07/30/17 08:03	9,523	0	0	0	9,523
07/31/17 08:03	9,614	0	0	0	9,614

Total Flow for July (gallons):	357,229
Maximum Daily Flow for July (gallons/day):	21,048
Average Daily Flow for July (gallons/day):	11,524

Table 4
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc.
Wheatfield, New York
Permit Number: 16-07
August 1-August 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)
08/01/17 08:03	9,632	0	0	0	9,632
08/02/17 08:03	9,507	0	0	0	9,507
08/03/17 08:03	9,494	0	0	0	9,494
08/04/17 08:03	9,480	0	0	0	9,480
08/05/17 08:03	9,656	0	0	0	9,656
08/06/17 08:03	9,561	0	0	0	9,561
08/07/17 08:03	9,385	0	0	0	9,385
08/08/17 08:03	9,229	0	0	0	9,229
08/09/17 08:03	9,178	0	0	0	9,178
08/10/17 08:19	9,206	0	0	0	9,206
08/11/17 08:03	8,908	0	0	0	8,908
08/12/17 08:03	8,901	0	0	0	8,901
08/13/17 08:03	8,763	0	0	0	8,763
08/14/17 08:03	**8,612**	0	0	0	8,612
08/15/17 08:03	8,603	0	0	0	8,603
08/16/17 08:03	8,639	0	0	0	8,639
08/17/17 08:03	8,635	0	0	0	8,635
08/18/17 08:03	8,551	0	0	0	8,551
08/19/17 08:03	8,474	0	0	0	8,474
08/20/17 08:03	8,454	0	0	0	8,454
08/21/17 08:03	8,750	0	0	0	8,750
08/22/17 08:03	9,865	0	0	0	9,865
08/23/17 08:03	10,954	0	0	0	10,954
08/24/17 08:03	11,169	0	0	0	11,169
08/25/17 08:03	11,368	0	0	0	11,368
08/26/17 08:19	11,583	0	0	0	**11,583**
08/27/17 08:03	11,124	0	0	0	11,124
08/28/17 08:19	11,195	0	0	0	11,195
08/29/17 08:03	11,106	0	0	0	11,106
08/30/17 08:03	11,183	0	0	0	11,183
08/31/17 08:03	11,061	0	0	0	11,061

Total Flow for August (gallons):	300,226
Maximum Daily Flow for August (gallons/day):	11,583
Average Daily Flow for August (gallons/day):	9,685

Table 5
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc.
Wheatfield, New York
Permit Number: 16-07
September 1-September 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)
09/01/17 08:03	11,049	0	0	0	11,049
09/02/17 08:03	10,947	0	0	0	10,947
09/03/17 08:03	11,203	0	0	0	11,203
09/04/17 08:03	11,267	0	0	0	11,267
09/05/17 08:03	11,380	0	0	0	11,380
09/06/17 08:03	11,328	0	0	0	11,328
09/07/17 08:03	11,352	0	0	0	11,352
09/08/17 08:03	11,307	0	0	0	11,307
09/09/17 08:03	11,251	1	0	0	11,252
09/10/17 08:03	11,293	0	0	0	11,293
09/11/17 08:03	11,143	0	0	0	11,143
09/12/17 08:03	11,182	0	0	0	11,182
09/13/17 08:03	11,012	0	0	0	11,012
09/14/17 08:03	10,924	0	0	0	10,924
09/15/17 08:03	10,888	0	0	0	10,888
09/16/17 08:03	10,822	0	0	0	10,822
09/17/17 08:03	10,729	0	0	0	10,729
09/18/17 08:03	10,689	0	0	0	10,689
09/19/17 08:03	10,425	0	0	0	10,425
09/20/17 08:03	10,359	0	0	0	10,359
09/21/17 08:03	10,292	0	0	0	10,292
09/22/17 08:03	10,219	0	0	0	10,219
09/23/17 08:03	10,189	0	0	0	10,189
09/24/17 08:03	10,156	0	0	0	10,156
09/25/17 08:03	6,728	0	0	0	6,728
09/26/17 08:03	0	0	0	0	0
09/27/17 08:03	0	0	0	0	0
09/28/17 08:03	0	0	0	0	0
09/29/17 08:03	0	0	0	0	0
09/30/17 08:03	12,963	0	0	0	12,963

Total Flow for September (gallons):	281,098
Maximum Daily Flow for September (gallons/day):	12,963
Average Daily Flow for September (gallons/day):	9,370

Green - indicates an averaged daily flow rate.

Table 6
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc.
Wheatfield, New York
Permit Number: 16-07
October 1-October 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)
10/01/17 08:03	11,564	0	0	0	**11,564**
10/02/17 08:03	11,844	0	0	0	11,844
10/03/17 08:03	12,015	0	0	0	12,015
10/04/17 08:03	8,033	0	0	0	8,033
10/05/17 08:03	3,255	0	0	0	3,255
10/06/17 08:03	0	0	0	0	0
10/07/17 08:03	14,378	0	12	0	**14,390**
10/08/17 08:03	12,754	0	0	0	12,754
10/09/17 08:03	12,972	0	0	0	12,972
10/10/17 08:03	13,310	0	0	0	13,310
10/11/17 08:03	13,267	0	0	0	13,267
10/12/17 08:03	13,276	0	0	0	13,276
10/13/17 08:03	13,219	0	0	0	13,219
10/14/17 08:03	14,121	0	0	0	14,121
10/15/17 08:03	14,075	0	0	0	14,075
10/16/17 08:03	14,185	0	0	0	14,185
10/17/17 08:03	14,117	0	0	0	14,117
10/18/17 08:03	14,063	0	0	0	14,063
10/19/17 08:03	14,020	0	0	0	14,020
10/20/17 08:03	14,108	0	0	0	14,108
10/21/17 08:03	14,153	0	0	0	14,153
10/22/17 08:03	14,064	0	0	0	14,064
10/23/17 08:03	13,951	0	0	0	13,951
10/24/17 08:03	13,835	0	0	0	13,835
10/25/17 08:03	13,699	0	0	0	13,699
10/26/17 08:03	13,594	0	0	0	13,594
10/27/17 08:03	13,567	0	0	0	13,567
10/28/17 08:03	13,462	0	0	0	13,462
10/29/17 08:03	13,319	0	0	0	13,319
10/30/17 08:03	13,178	0	0	0	13,178
10/31/17 08:03	3,883	0	0	0	3,883

Total Flow for October (gallons):	379,293
Maximum Daily Flow for October (gallons/day):	14,390
Average Daily Flow for October (gallons/day):	12,235

Table 7
Niagara County Sewer Discharge Monitoring
Off-Site Groundwater Extraction System
Textron, Inc.
Wheatfield, New York
Permit Number: 16-07
October 5 - 6, 2017
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	< 1.0	3,255	2.7163E-05	1.0
1,2-Dichloroethene (Total)	7.4	3,255	0.000201006	2.500
Vinyl Chloride	< 1.0	3,255	< 2.7163E-05	0.4000
Methylene Chloride	< 1.0	3,255	< 2.7163E-05	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}

Appendix A

Field Sampling Sheets

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

46402

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: TOXTRON	Project Number: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM, INC. 13 BRITISH AMERICAN BLVD. LATHAM, NY 12110	
Phone #: (518) 783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature:	Sampler's Printed Name: KEVIN CROWLEY

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 3

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MH 9-3		10/5/17	0955	GW	3	X							COMPOSITE WITH 1 SAMPLE CALLED MH NO. 9-3
MH 9-3		10/5/17	1610			X							
MH 9-3		10/5/17	1240			X							
MH 9-3		10/6/17	0830			X							
TRIP BLANK													

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other 1/CE

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
STAN DARD
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:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: KEVIN CROWLEY	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: APTIM	Firm: ALS	Firm:	Firm:	Firm:	Firm:
Date/Time: 10/6/17 1125	Date/Time: 10/6/17 1125	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Distribution: White - Lab Copy: Yellow - Return to Originator

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TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: ~~148900~~ 156045
NCSD Permit Number: 16-07
Sample Location: EW- 6
Date: 10/5/2017
Time: 0955
Field Personnel: KEVIN CROWN

Physical Condition of Location: GOOD
Ambient Temperature: 60° 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: Kevin Crown

TEXTRON, INC.
FIELD SAMPLING DATA SHEET
NIAGARA COUNTY SEWER DISTRICT SAMPLING EVENT

Site Name: Former Textron Wheatfield Facility
Project Number: ~~148900~~ 156045
NCSD Permit Number: 16-07
Sample Location: EW-6
Date: 10/5/2017
Time: 1610
Field Personnel: KEVIN CRONIN

Physical Condition of Location: GOOD
Ambient Temperature: 68°F
Wind: ~10-15 MPH
Precipitation: NONE

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3
Sample Description: GRAB
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: ~~148900~~ 136045
NCSD Permit Number: 16-07
Sample Location: EW- 6
Date: 10/5/2017
Time: 2240
Field Personnel: KEVIN CRONIN

Physical Condition of Location: GOOD
Ambient Temperature: 50 F
Wind: 5-10 MPH
Precipitation: NONE

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: ~~148900~~ 156045
NCSD Permit Number: 16-07
Sample Location: EW-6
Date: 10/6/2017
Time: 0830
Field Personnel: KEVIN CRONIN

Physical Condition of Location: GOOD
Ambient Temperature: 60°F
Wind: 5-10 MPH
Precipitation: LT. SHOWERS (OCC.)

Sampling Method: Dedicated Poly Bailer

Sample Number: MH No. 9-3
Sample Description: CLEAR
Analysis Requested: VOA
Totalizer:

Notes:

Sampler Signature: Kevin Cronin

Appendix B

Analytical Report

October 13, 2017 Service Request No:R1709545

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

Laboratory Results for: Textron Wheatfield Semiannual NCSD

Dear Ms.Byers,

Enclosed are the results of the sample(s) submitted to our laboratory October 06, 2017
For your reference, these analyses have been assigned our service request number **R1709545.**

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

Brady Kalkman
For
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

1565 Jefferson Rd, Building 300, Rochester, NY 14623 | 585-288-5380 | www.alsglobal.com

Client: APTIM, Inc
Project: Textron Wheatfield Semiannual NCSD/156045
Sample Matrix: Water

Service Request:R1709545
Date Received:10/6/17

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 10/06/2017. 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.

Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

Sample Receiving Notes:

pH was not performed in the field as recommended by the EPA to meet an "immediate" or 15 minute Holding Time. In addition, pH is a temperature dependent analysis. The temperature of the sample during pH measurement is included as required by the method. Samples analyzed in the laboratory have been flagged with an "H" to indicate the "immediate" holding time has been exceeded.

Approved by _____ Date 10/13/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: MH No. 9-3	Lab ID: R1709545-001					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,1,1-Trichloroethane (TCA)	1.3		0.20	1.0	ug/L	624
1,1-Dichloroethane (1,1-DCA)	1.2		0.21	1.0	ug/L	624
1,2-Dichloroethene, Total	7.4			2.0	ug/L	624

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 **Service Request:**R1709545

Project: Textron Wheatfield Semiannual NCSD/156045

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1709545-001	MH No. 9-3	10/5/2017	2240
R1709545-002	Trip blank	10/6/2017	0830

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

46402

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	Project Number: 156045
Project Manager: CECELIA BYERS	Report CC:
Company/Address: APTIM, INC. 13 BRITISH AMERICAN BLVD. LATHAM, NY 12110	
Phone #: (518) 783-1996	Email: CECELIA.BYERS@APTIM.COM
Sampler's Signature: Kevin Cronin	Sampler's Printed Name: KEVIN CRONIN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 8

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ● 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MH 9-3		10/5/17	0855	GW	3	X							COMPOSITE INTO 1 SAMPLE CALLED MH No. 9-3
MH 9-3		10/5/17	1610	↓		X							
MH 9-3		10/5/17	2240			X							
MH 9-3		10/6/17	0830	↓		X							
TRIP BLANK													

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
STAN BAILD
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:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Kevin Cronin	Signature:	Signature:	Signature:	Signature:	
Printed Name: KEVIN CRONIN	Printed Name: EMERSON	Printed Name: EMERSON	Printed Name: Daniel Ward	Printed Name:	
Firm: APTIM	Firm: ALS	Firm: ALS	Firm: ALS	Firm:	
Date/Time: 10/6/17 1125	Date/Time: 10/6/17 1125	Date/Time: 10/6/17 1405	Date/Time: 10/6/17/1405	Date/Time:	Date/Time:

R1709545
APTIM, Inc
Textron Wheatfield
5

Distribution: White - Lab Copy; Yellow - Return to Originator

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Cooler Receipt and Preservation Check Form

R1709545 5
APTIM, Inc
Textron Wheatfield

Project/Client APTIM Folder Number R17-9545

Cooler received on 10/6/17 by: DM

COURIER: 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: **Wet Ice 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?	ALS/ROC CLIENT
7	Soil VOA received as:	Bulk Encore 5035set (NA)

8. Temperature Readings Date: 10/6/17 Time: 1417 ID: (IR#7) IR#8 From: Temp Blank ~~Sample Bottle~~ DM 10/6/17

Observed Temp (°C)	8.1c						
Correction Factor (°C)	+1.5						
Corrected Temp (°C)	9.6						
Temp from: Type of bottle	Cent. tube						
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 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-007 by DM on 10/6/17 at 1417
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 10/6/17 Time: 1942 by: DM

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 (N/A)
13. Air Samples: Cassettes / Tubes Intact (N/A) Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
		$Na_2S_2O_3$	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 7-144-003

Explain all Discrepancies/ Other Comments:
* Vial for the trip blank

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

Labels secondary reviewed by: DM
PC Secondary Review: AMS 10/9/17

*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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: 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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Accredited	Nebraska Accredited	
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

[1] Analyses were performed according to our laboratoryôs 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 http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

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.

Client: APTIM, Inc **Service Request:** R1709545
Project: Textron Wheatfield Semiannual NCSD/156045

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
624	Water	1,2-Dichloroethene, Total

Client:	APTIM, Inc	**Service Request:**	R1709545
Project:	Textron Wheatfield Semiannual NCSD/156045		

Sample Name:	MH No. 9-3	**Date Collected:**	10/5/17
Lab Code:	R1709545-001	**Date Received:**	10/6/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
624		KRUEST

Sample Name:	Trip blank	**Date Collected:**	10/6/17
Lab Code:	R1709545-002	**Date Received:**	10/6/17
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
624		KRUEST

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
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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
www.alsglobal.com

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709545
Project:	Textron Wheatfield Semiannual NCSD/156045	**Date Collected:**	10/05/17 22:40
Sample Matrix:	Water	**Date Received:**	10/06/17 14:05
Sample Name:	MH No. 9-3	**Units:**	ug/L
Lab Code:	R1709545-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	**1.3**	1.0	1	10/07/17 11:43	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	1	10/07/17 11:43	
1,1,2-Trichloroethane	1.0 U	1.0	1	10/07/17 11:43	
1,1-Dichloroethane (1,1-DCA)	**1.2**	1.0	1	10/07/17 11:43	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	1	10/07/17 11:43	
1,2-Dichlorobenzene	1.0 U	1.0	1	10/07/17 11:43	
1,2-Dichloroethane	1.0 U	1.0	1	10/07/17 11:43	
1,2-Dichloropropane	1.0 U	1.0	1	10/07/17 11:43	
1,3-Dichlorobenzene	1.0 U	1.0	1	10/07/17 11:43	
1,4-Dichlorobenzene	1.0 U	1.0	1	10/07/17 11:43	
2-Chloroethyl Vinyl Ether	10 U	10	1	10/07/17 11:43	
Acrolein	10 U	10	1	10/07/17 11:43	
Acrylonitrile	10 U	10	1	10/07/17 11:43	
Benzene	1.0 U	1.0	1	10/07/17 11:43	
Bromodichloromethane	1.0 U	1.0	1	10/07/17 11:43	
Bromoform	1.0 U	1.0	1	10/07/17 11:43	
Bromomethane	1.0 U	1.0	1	10/07/17 11:43	
Carbon Tetrachloride	1.0 U	1.0	1	10/07/17 11:43	
Chlorobenzene	1.0 U	1.0	1	10/07/17 11:43	
Chloroethane	1.0 U	1.0	1	10/07/17 11:43	
Chloroform	1.0 U	1.0	1	10/07/17 11:43	
Chloromethane	1.0 U	1.0	1	10/07/17 11:43	
Chlorodibromomethane	1.0 U	1.0	1	10/07/17 11:43	
Methylene Chloride	1.0 U	1.0	1	10/07/17 11:43	
Ethylbenzene	1.0 U	1.0	1	10/07/17 11:43	
Tetrachloroethene (PCE)	1.0 U	1.0	1	10/07/17 11:43	
Toluene	1.0 U	1.0	1	10/07/17 11:43	
Trichloroethene (TCE)	1.0 U	1.0	1	10/07/17 11:43	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	1	10/07/17 11:43	
Vinyl Chloride	1.0 U	1.0	1	10/07/17 11:43	
cis-1,3-Dichloropropene	1.0 U	1.0	1	10/07/17 11:43	
trans-1,3-Dichloropropene	1.0 U	1.0	1	10/07/17 11:43	
1,2-Dichloroethene, Total	**7.4**	2.0	1	10/07/17 11:43	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709545
Project:	Textron Wheatfield Semiannual NCSD/156045	**Date Collected:**	10/05/17 22:40
Sample Matrix:	Water	**Date Received:**	10/06/17 14:05
Sample Name:	MH No. 9-3	**Units:**	ug/L
Lab Code:	R1709545-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	89	81 - 127	10/07/17 11:43	
4-Bromofluorobenzene	94	79 - 123	10/07/17 11:43	
Toluene-d8	100	83 - 120	10/07/17 11:43	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709545
Project:	Textron Wheatfield Semiannual NCSD/156045	**Date Collected:**	10/06/17 08:30
Sample Matrix:	Water	**Date Received:**	10/06/17 14:05
Sample Name:	Trip blank	**Units:**	ug/L
Lab Code:	R1709545-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	10/07/17 11:22	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	10/07/17 11:22	
1,1,2-Trichloroethane	1.0	U	1.0	1	10/07/17 11:22	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	10/07/17 11:22	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	10/07/17 11:22	
1,2-Dichlorobenzene	1.0	U	1.0	1	10/07/17 11:22	
1,2-Dichloroethane	1.0	U	1.0	1	10/07/17 11:22	
1,2-Dichloropropane	1.0	U	1.0	1	10/07/17 11:22	
1,3-Dichlorobenzene	1.0	U	1.0	1	10/07/17 11:22	
1,4-Dichlorobenzene	1.0	U	1.0	1	10/07/17 11:22	
2-Chloroethyl Vinyl Ether	10	U	10	1	10/07/17 11:22	
Acrolein	10	U	10	1	10/07/17 11:22	
Acrylonitrile	10	U	10	1	10/07/17 11:22	
Benzene	1.0	U	1.0	1	10/07/17 11:22	
Bromodichloromethane	1.0	U	1.0	1	10/07/17 11:22	
Bromoform	1.0	U	1.0	1	10/07/17 11:22	
Bromomethane	1.0	U	1.0	1	10/07/17 11:22	
Carbon Tetrachloride	1.0	U	1.0	1	10/07/17 11:22	
Chlorobenzene	1.0	U	1.0	1	10/07/17 11:22	
Chloroethane	1.0	U	1.0	1	10/07/17 11:22	
Chloroform	1.0	U	1.0	1	10/07/17 11:22	
Chloromethane	1.0	U	1.0	1	10/07/17 11:22	
Chlorodibromomethane	1.0	U	1.0	1	10/07/17 11:22	
Methylene Chloride	1.0	U	1.0	1	10/07/17 11:22	
Ethylbenzene	1.0	U	1.0	1	10/07/17 11:22	
Tetrachloroethene (PCE)	1.0	U	1.0	1	10/07/17 11:22	
Toluene	1.0	U	1.0	1	10/07/17 11:22	
Trichloroethene (TCE)	1.0	U	1.0	1	10/07/17 11:22	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	10/07/17 11:22	
Vinyl Chloride	1.0	U	1.0	1	10/07/17 11:22	
cis-1,3-Dichloropropene	1.0	U	1.0	1	10/07/17 11:22	
trans-1,3-Dichloropropene	1.0	U	1.0	1	10/07/17 11:22	
1,2-Dichloroethene, Total	2.0	U	2.0	1	10/07/17 11:22	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709545
Project:	Textron Wheatfield Semiannual NCSD/156045	**Date Collected:**	10/06/17 08:30
Sample Matrix:	Water	**Date Received:**	10/06/17 14:05
Sample Name:	Trip blank	**Units:**	ug/L
Lab Code:	R1709545-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	96	81 - 127	10/07/17 11:22	
4-Bromofluorobenzene	96	79 - 123	10/07/17 11:22	
Toluene-d8	101	83 - 120	10/07/17 11:22	

QC Summary 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

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
www.alsglobal.com

Client: APTIM, Inc **Service Request:** R1709545

Project: Textron Wheatfield Semiannual NCSD/156045

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624

Extraction Method: EPA 5030C

Sample Name	Lab Code	1,2-Dichloroethane-d4 81 - 127	4-Bromofluorobenzene 79 - 123	Toluene-d8 83 - 120
MH No. 9-3	R1709545-001	89	94	100
Trip blank	R1709545-002	96	96	101
Lab Control Sample	RQ1710273-03	90	97	95
Method Blank	RQ1710273-04	90	100	105

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709545
Project:	Textron Wheatfield Semiannual NCSD/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1710273-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	10/07/17 10:54	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	10/07/17 10:54	
1,1,2-Trichloroethane	1.0	U	1.0	1	10/07/17 10:54	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	10/07/17 10:54	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	10/07/17 10:54	
1,2-Dichlorobenzene	1.0	U	1.0	1	10/07/17 10:54	
1,2-Dichloroethane	1.0	U	1.0	1	10/07/17 10:54	
1,2-Dichloropropane	1.0	U	1.0	1	10/07/17 10:54	
1,3-Dichlorobenzene	1.0	U	1.0	1	10/07/17 10:54	
1,4-Dichlorobenzene	1.0	U	1.0	1	10/07/17 10:54	
2-Chloroethyl Vinyl Ether	10	U	10	1	10/07/17 10:54	
Acrolein	10	U	10	1	10/07/17 10:54	
Acrylonitrile	10	U	10	1	10/07/17 10:54	
Benzene	1.0	U	1.0	1	10/07/17 10:54	
Bromodichloromethane	1.0	U	1.0	1	10/07/17 10:54	
Bromoform	1.0	U	1.0	1	10/07/17 10:54	
Bromomethane	1.0	U	1.0	1	10/07/17 10:54	
Carbon Tetrachloride	1.0	U	1.0	1	10/07/17 10:54	
Chlorobenzene	1.0	U	1.0	1	10/07/17 10:54	
Chloroethane	1.0	U	1.0	1	10/07/17 10:54	
Chloroform	1.0	U	1.0	1	10/07/17 10:54	
Chloromethane	1.0	U	1.0	1	10/07/17 10:54	
Chlorodibromomethane	1.0	U	1.0	1	10/07/17 10:54	
Methylene Chloride	1.0	U	1.0	1	10/07/17 10:54	
Ethylbenzene	1.0	U	1.0	1	10/07/17 10:54	
Tetrachloroethene (PCE)	1.0	U	1.0	1	10/07/17 10:54	
Toluene	1.0	U	1.0	1	10/07/17 10:54	
Trichloroethene (TCE)	1.0	U	1.0	1	10/07/17 10:54	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	10/07/17 10:54	
Vinyl Chloride	1.0	U	1.0	1	10/07/17 10:54	
cis-1,3-Dichloropropene	1.0	U	1.0	1	10/07/17 10:54	
trans-1,3-Dichloropropene	1.0	U	1.0	1	10/07/17 10:54	
1,2-Dichloroethene, Total	2.0	U	2.0	1	10/07/17 10:54	

Analytical Report

Client:	APTIM, Inc	**Service Request:**	R1709545
Project:	Textron Wheatfield Semiannual NCSD/156045	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1710273-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS with 3 Day Holding Time for Acrolein, Unpreserved

Analysis Method: 624
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	90	81 - 127	10/07/17 10:54	
4-Bromofluorobenzene	100	79 - 123	10/07/17 10:54	
Toluene-d8	105	83 - 120	10/07/17 10:54	

Client: APTIM, Inc
Project: Textron Wheatfield Semiannual NCSD/156045
Sample Matrix: Water

Service Request: R1709545
Date Analyzed: 10/07/17

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
RQ1710273-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	624	20.4	20.0	102	52-162
1,1,2,2-Tetrachloroethane	624	19.5	20.0	98	46-157
1,1,2-Trichloroethane	624	18.6	20.0	93	52-150
1,1-Dichloroethane (1,1-DCA)	624	20.1	20.0	101	59-155
1,1-Dichloroethene (1,1-DCE)	624	18.9	20.0	94	10-234
1,2-Dichlorobenzene	624	21.3	20.0	107	18-190
1,2-Dichloroethane	624	18.7	20.0	93	49-155
1,2-Dichloropropane	624	18.2	20.0	91	10-210
1,3-Dichlorobenzene	624	20.7	20.0	103	59-156
1,4-Dichlorobenzene	624	21.1	20.0	106	18-190
2-Chloroethyl Vinyl Ether	624	14.6	20.0	73	10-305
Acrolein	624	42.9	40.0	107	10-186
Acrylonitrile	624	95.6	100	96	70-130
Benzene	624	19.9	20.0	99	37-151
Bromodichloromethane	624	16.3	20.0	81	35-155
Bromoform	624	19.4	20.0	97	45-169
Bromomethane	624	19.6	20.0	98	10-242
Carbon Tetrachloride	624	19.4	20.0	97	70-140
Chlorobenzene	624	20.9	20.0	104	37-160
Chloroethane	624	18.4	20.0	92	14-230
Chloroform	624	20.0	20.0	100	51-138
Chloromethane	624	24.5	20.0	122	10-273
Chlorodibromomethane	624	18.5	20.0	92	53-149
Methylene Chloride	624	19.2	20.0	96	10-221
Ethylbenzene	624	22.1	20.0	110	37-162
Tetrachloroethene (PCE)	624	22.0	20.0	110	64-148
Toluene	624	19.6	20.0	98	47-150
Trichloroethene (TCE)	624	19.6	20.0	98	71-157
Trichlorofluoromethane (CFC 11)	624	19.3	20.0	97	17-181
Vinyl Chloride	624	25.1	20.0	126	10-251
cis-1,3-Dichloropropene	624	18.5	20.0	92	10-227
trans-1,3-Dichloropropene	624	18.4	20.0	92	17-183

Appendix K

Photographic Log

Aptim Engineering New York, P.C.
Photographic Record

Customer: Textron, Inc.	**Project Number: 631232612**
Site Name: Former Wheatfield Facility	**Site Location:** Niagara Falls, New York

Photographer:

K. Cronin

Date:

10/06/17

Direction:

North

Comments:

Utility survey (GPS) performed prior to intrusive field activities (drilling and injection)

Photographer:

K. Cronin

Date:

10/06/17

Direction:

North

Comments:

Niagara County Sewer District Sanitary Sewer line (green arrow) located along Walmore Road

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer: Textron, Inc.	**Project Number: 631232612**
Site Name: Former Wheatfield Facility	**Site Location:** Niagara Falls, New York

Photographer:

K. Cronin

Date:

10/10/17

Direction:

North-northwest

Comments:

Injection Well Installation 17-02(1)

Photographer:

K. Cronin

Date:

10/10/17

Direction:

West

Comments:

Injection Well Installation – Rock Coring 17-02(1)

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/10/17 **Direction:** Rock Core **Comments:** 17-01(1) - upper section of Run 2 (16.5 feet to 21.5 feet)	
Photographer: K. Cronin **Date:** 10/10/17 **Direction:** Rock Core **Comments:** 17-01(1) – middle section of Run 3 (21.5 feet to 26.5 feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/10/17 **Direction:** Rock Core **Comments:** 17-01(1) - lower section of Run 4 (26.5 feet to 31.5 feet)	
Photographer: K. Cronin **Date:** 10/10/17 **Direction:** Rock Core **Comments:** 17-01(1) – lower section of Run 3 (26.5 feet to 31.5 feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/10/17 **Direction:** Rock Core **Comments:** 17-01(1) - middle section of Run 5 (31.5 feet to 34.5 feet)	
Photographer: K. Cronin **Date:** 10/11/17 **Direction:** Rock Core **Comments:** 17-02(1) – upper section of Run 2 (16 feet to 19 feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/11/17 **Direction:** Rock Core **Comments:** 17-02(1) - lower section of Run 3 (19 feet to 21.75 feet)	
Photographer: K. Cronin **Date:** 10/11/17 **Direction:** Rock Core **Comments:** 17-02(1) – upper section of Run 4 (21.75 feet to 26.75feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/11/17 **Direction:** Rock Core **Comments:** 17-02(1) - middle section of Run 5 (26.75 feet to 31.55 feet)	
Photographer: K. Cronin **Date:** 10/11/17 **Direction:** Rock Core **Comments:** 17-02(1) – middle section of Run 6 (31.55 feet to 34 feet)	

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/12/17 **Direction:** Rock Core **Comments:** 17-03(1) - middle section of Run 1 (17 feet to 20.5 feet)	
Photographer: K. Cronin **Date:** 10/12/17 **Direction:** Rock Core **Comments:** 17-03(1) – middle section of Run 2 (20.5 feet to 25.5 feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

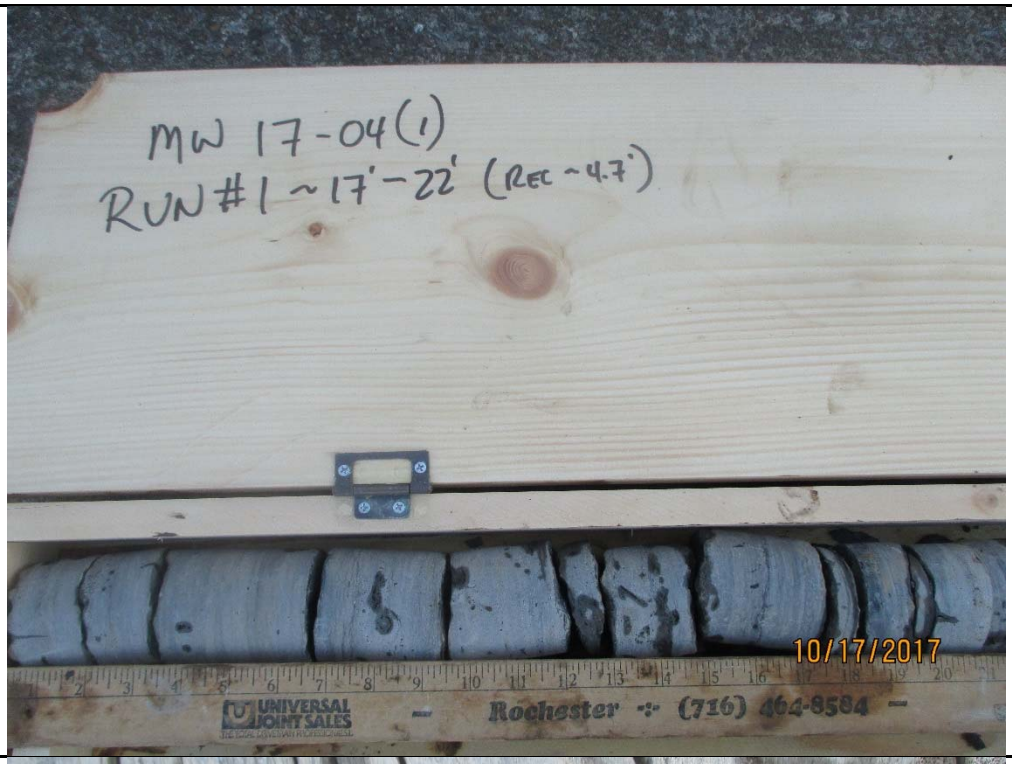
Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/12/17 **Direction:** Rock Core **Comments:** 17-03(1) - middle section of Run 3 (25.5 feet to 30.5 feet)	
Photographer: K. Cronin **Date:** 10/12/17 **Direction:** Rock Core **Comments:** 17-03(1) – middle section of Run 4 (30.5 feet to 33.1 feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/17/17 **Direction:** Rock Core **Comments:** 17-04(1) - upper section of Run 1 (17 feet to 22 feet)	
Photographer: K. Cronin **Date:** 10/17/17 **Direction:** Rock Core **Comments:** 17-04(1) – middle section of Run 2 (22 feet to 27 feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/17/17 **Direction:** Rock Core **Comments:** 17-04(1) - upper section of Run 3 (27 feet to 32 feet)	
Photographer: K. Cronin **Date:** 10/17/17 **Direction:** Rock Core **Comments:** 17-04(1) – bottom section of Run 3 (27 feet to 32 feet)	

Aptim Engineering New York, P.C.
Photographic Record

Customer: Textron, Inc.	**Project Number: 631232612**
Site Name: Former Wheatfield Facility	**Site Location:** Niagara Falls, New York

Photographer: K. Cronin **Date:** 10/16/17 **Direction:** Rock Core **Comments:** 17-05(1) - bottom section of Run 1 (18.1 feet to 21.6 feet)	
Photographer: K. Cronin **Date:** 10/16/17 **Direction:** Rock Core **Comments:** 17-05(1) – bottom section of Run 2 (21.6 feet to 26.6 feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/16/17 **Direction:** Rock Core **Comments:** 17-05(1) - bottom section of Run 3 (26.6 feet to 31.6 feet)	
Photographer: K. Cronin **Date:** 10/16/17 **Direction:** Rock Core **Comments:** 17-05(1) – upper section of Run 4 (31.6 feet to 32.5 feet)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 10/13/17 **Direction:** Southwest **Comments:** Finished Injection Well - 17-03(1)	
Photographer: K. Cronin **Date:** 10/18/17 **Direction:** Southwest **Comments:** Developing of Injection Well - 17-03(1)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer: K. Cronin **Date:** 12/02/17 **Direction:** North **Comments:** Tote of 3DME and drums of CRS being used for injection	
Photographer: K. Cronin **Date:** 12/02/17 **Direction:** North-northeast **Comments:** Injection setup at 87-05(1)	

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer:	**Textron, Inc.**	**Project Number: 631232612**	
Site Name:	**Former Wheatfield Facility**	**Site Location:**	**Niagara Falls, New York**

Photographer:

K. Cronin

Date:

12/02/17

Direction:

West – inside trailer

Comments:

Keg containing SDC-9 bacteria to be added to mixture during each batch injected

Photographer:

K. Cronin

Date:

12/02/17

Direction:

North – inside trailer

Comments:

Interior of Regenesis Mixing Trailer

APTIM

Aptim Engineering New York, P.C.
Photographic Record

Customer: Textron, Inc.	**Project Number: 631232612**
Site Name: Former Wheatfield Facility	**Site Location:** Niagara Falls, New York

Photographer: K. Cronin **Date:** 11/13/17 **Direction:** Inside Well Vault **Comments:** DW-11 Well Vault – 8-inch Conductor Pipe (pump previously removed)	
Photographer: K. Cronin **Date:** 12/02/17 **Direction:** Inside Well vault **Comments:** Inflatable packer placed in DW-11 to prevent overflow during injection	

APTIM

Appendix L

Drilling Logs

WELL NUMBER 17-01(1)

APTIM

CLIENT Textron
PROJECT NAME Former Bell-Aerospace Wheatfield Facility
PROJECT NUMBER 631232612
PROJECT LOCATION Wheatfield, New York
DATE STARTED 10/10/17 **COMPLETED** 10/11/17
GROUND ELEVATION 585.18 ft **HOLE SIZE** 9 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger & HQ Core
AT TIME OF DRILLING ---
LOGGED BY K.Cronin **CHECKED BY**
AT END OF DRILLING ---
NOTES RQDs: Run 1 23%, Run 2 62%, Run 3 70%, Run 4 95%, Run 5 100%
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0								Casing Type: PVC
	NR					Hand Cleared to 5 feet bgs		
5						5.0 / 580.2		
	SS 1	85	1-5-6-9 (11)	CL-ML		LEAN CLAY WITH GRAVEL, CLAYEY SILT, (CL-ML) reddish brown to brown, subrounded, fine grained Firm reddish brown CLAY-SILTY with trace to little fine grained subround gravel, moist, occassional gray steaks, no staining or odor	PID = 0	
	SS 2	80	9-12-12-15 (24)				PID = 0	
10	SS 3	55	2-7-19-43 (26)	SM		9.5 / 575.7 SILTY SAND, SILTY SAND, (SM) brown to reddish brown, subrounded, fine to medium grained Reddish brown SILTY SAND, little fine subround granular gravel, moist to very moist, no staining or odor 11.0 / 574.2	PID = 1.2	
	SS 4	98	35-44-50/4"	SW-SM			PID = 3.4	
15	SS 5	85	17-34-34-25 (68)			WELL GRADED SAND WITH SILT, SAND, (SW-SM) reddish brown, subrounded, fine grained Wet, loose, brown to reddish brown fine to medium SAND with some silt, grades down to reddish brown fine to medium sand with some fine subround gravel, no staining or odor 15.0 / 570.2	PID = 1.5	
	SS 6	100 (95)	6-12-50/0"	SM		15.2 / 570.0		
	RC 1					16.5 / 568.7 SILTY SAND, SILTY SAND, (SM) reddish brown, subangular, fine to coarse grained Wet, very dense SILTY SAND trace fine to course subround to subangular gravel, no staining or odor; auger refusal at 16 feet bgs	PID = 1.5	
20	RC 2	(62)						
						21.5 / 563.7 DOLOMITE LIMESTONE, highly weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 23% Gray Dolomite with pinholes to 0.5" Vugs, some bedding plane fractures, occassional thin gypsum partings at 25.55', 25.85', 26.5', 26.63', 27', 29.5', 30.3' and 31.4' bgs.		
25	RC 3	(70)						
						26.5 / 558.7 DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 62%		
	RC 4	(95)				DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 70%		
30						DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 95%		
						31.5 / 553.7		
	RC 5	(100)				DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 100%		
						34.5 / 550.7		

Refusal at 16.0 feet.
Bottom of borehole at 34.5 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 1/15/18 13:33 - N:\GINT\DRILL LOGS\GINT FILES\TEXTRON INJECTION WELLS.GPJ

WELL NUMBER 17-02(1)

APTIM

CLIENT Textron
PROJECT NAME Former Bell-Aerospace Wheatfield Facility
PROJECT NUMBER 631232612
PROJECT LOCATION Wheatfield, New York
DATE STARTED 10/11/17 **COMPLETED** 10/12/17
GROUND ELEVATION 584.83 ft **HOLE SIZE** 9 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger & HQ Core
AT TIME OF DRILLING ---
LOGGED BY K.Cronin **CHECKED BY**
AT END OF DRILLING ---
NOTES RQDs: Run 1 23%, Run 2 35%, Run 3 36%, Run 4 73% and Run 5 90% **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0								Casing Type: PVC
	NR					Hand Cleared to 5 feet bgs		
5						5.0 / 579.8		
	SS 1	75	3-6-6-12 (12)	CL-ML		LEAN CLAY WITH SAND, CLAYEY SILT, (CL-ML) brown, moist, stiff, trace fine sand, and fine gravel, no odor, no staining Moist, stiff, brown CLAYEY SILT, trace fine sand, fine subround gravel, occassional gray partings, no staining or odor	PID = 16.8	
	SS 2	80	4-8-8-12 (16)			9.0 / 575.8	PID = 33.4	
10	SS 3	100	12-15-21-24 (36)	CL-ML		LEAN CLAY WITH SAND, CLAYEY SILT, (CL-ML) brown to reddish brown, moist, very stiff, little fine to coarse gravel, trace fine sand, no odor, no staining Moist, brown to reddish brown, very stiff, CLAYEY SILT, with little fine to coarse subround to subangular gravel, trace fine sand, no staining or odor	PID = 0	
	SS 4	129	23-19-50/0"			12.0 / 572.8	PID = 0	
15	RC 1	(23)				DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 23%		
	RC 2	(35)				16.0 / 568.8 Medium gray Dolomitic Limestone with vugs and pitted rock, fine to medium bedding. moderately hard		
20	RC 3	(36)				DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 35%		
						19.0 / 565.8 DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 36%		
25	RC 4	(73)				22.0 / 562.8 DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 73%		
						27.0 / 557.8		
30	RC 5	(86)				DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 90%		
						31.5 / 553.3		
	RC 6	(90)				DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, medium, no staining, [Guelph] Lockport, Layer RQD = 90%		
						34.0 / 550.8		

Refusal at 13.0 feet.
Bottom of borehole at 34.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 1/15/18 13:33 - N:\GINT\DRILL LOGS\GINT FILES\TEXTRON INJECTION WELLS.GPJ

WELL NUMBER 17-03(1)

APTIM

CLIENT Textron
PROJECT NAME Former Bell-Aerospace Wheatfield Facility
PROJECT NUMBER 631232612
PROJECT LOCATION Wheatfield, New York
DATE STARTED 10/12/17 **COMPLETED** 10/13/17
GROUND ELEVATION 584.84 ft **HOLE SIZE** 9 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger & HQ Core
AT TIME OF DRILLING ---
LOGGED BY K.Cronin **CHECKED BY**
AT END OF DRILLING ---
NOTES RQDs: Run 1 27%, Run 2 44%, Run 3 70% and Run 4 70%
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0								Casing Type: PVC
	NR					Hand Cleared to 5 feet bgs		
5						5.0 / 579.8		
	SS 1	50	4-6-8-8 (14)	CL-ML		GRAVELLY LEAN CLAY WITH SAND, CLAYEY SILT, (CL-ML) brown, moist, stiff to very stiff, trace fine gravel, no odor, no staining Damp, stiff grading to very stiff, brown CLAYEY SILT, occassional gray partings, trace fine gravel, no staining or odor	PID = 1.9	
	SS 2	80	7-12-15-14 (27)			9.0 / 575.8	PID = 1.7	
10	SS 3	40	4-5-6-6 (11)	CL		LEAN CLAY WITH SAND, CLAY, (CL) brown, wet, stiff, little fine to coarse gravel, no odor, no staining Wet, stiff, brown CLAY, little fine to coarse subround to subangular gravel, no staining or odor	PID = 2.5	
	SS 4	90	7-5-7-8 (12)			13.0 / 571.8	PID = 1.7	
	SS 5	50	2-8-9-11 (17)	CL-ML		LEAN CLAY WITH GRAVEL, CLAYEY SILT, (CL-ML) brown to reddish brown, moist, very stiff, little fine to coarse gravel, trace fine sand, no odor, no staining Moist, very stiff, brown to reddish brown, CLAYEY SILT to SILTY CLAY, little fine to coarse subround to subangular gravel, trace fine sand, no staining or odors	PID = 1.1	
15	SS 6	22	4-7-8-50/4"			17.0 / 567.8	PID = 2.2	
	RC 1	(27)				DOLOMITE LIMESTONE, highly weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 27% Medium gray Dolomitic Limestone with vugs and pitted rock, fine to medium bedding. moderately hard		
20						20.5 / 564.3		
	RC 2	(44)				DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 44%		
25						25.5 / 559.3		
	RC 3	(70)				DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 70%		
30						30.5 / 554.3		
	RC 4	(70)				DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 70%		
						33.1 / 551.7		

Refusal at 16.9 feet.
Bottom of borehole at 33.1 feet.

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WELL NUMBER 17-04(1)

APTIM

CLIENT Textron
PROJECT NAME Former Bell-Aerospace Wheatfield Facility
PROJECT NUMBER 631232612
PROJECT LOCATION Wheatfield, New York
DATE STARTED 10/17/17 **COMPLETED** 10/18/17
GROUND ELEVATION 586.68 ft **HOLE SIZE** 9 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger & HQ Core
AT TIME OF DRILLING ---
LOGGED BY K.Cronin **CHECKED BY**
AT END OF DRILLING ---
NOTES RQDs: Run 1 9%, Run 2 63% and Run 3 84%
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0								Casing Type: PVC
	NR					Hand Cleared to 5 feet bgs		
5						5.0 / 581.7		
	SS 1	55	1-5-4-5 (9)	CL-ML		LEAN CLAY WITH GRAVEL, CLAYEY SILT, (CL-ML) brown to reddish brown, moist, firm to stiff, little fine gravel, some fine sand, no odor, no staining Brown to reddish brown, moist, firm to very firm CLAYEY SILT, trace to little fine gravel, trace fine sand, occassional gray partings, no staining or odors	PID = 1.8	
	SS 2	85	6-12-12-10 (24)			9.0 / 577.7	PID = 1.5	
10	SS 3	64	16-40-50/5"	CL-ML		LEAN CLAY WITH GRAVEL, CLAYEY SILT, (CL-ML) reddish brown, moist, very stiff, some fine to coarse gravel, no odor, no staining Damp to moist, very stiff, reddish brown CLAYEY SILT with some fine to coarse subround to subangular gravel	PID = 3.8	
	SS 4	100	40-50/4"			12.0 / 574.7	PID = 7.2	
	SS 5	67	32-50/5"	CL-ML		LEAN CLAY WITH GRAVEL, CLAYEY SILT, (CL-ML) brown, moist to wet, very stiff, some fine to coarse gravel, little fine to medium sand, no odor, no staining Damp to very damp, very stiff, brown CLAYEY SILT with some fine to coarse subround to subangular gravel, little fine to medium sand, no staining or odor	PID = 3.6	
15	SS 6	100	25-50			16.0 / 570.7	PID = 9.7	
	RC 1	(9)				DOLOMITE LIMESTONE, highly weathered, medium bedded, horizontal, fossiliferous, dark gray, no staining, [Guelph] Lockport, Layer RQD = 9% Medium gray, hard DOLOMITE LIMESTONE with horizontal to nearly horizontal bedding plane fractures, some small vugs below 18 feet bgs, fossiliferous zone ~6-inches thick at 20 feet bgs		
20						22.0 / 564.7		
	RC 2	(63)				DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 63% Medium gray, hard DOLOMITE LIMESTONE with horizontal to nearly horizontal bedding plane fractures, some gypsum mineralization in fractures		
25						27.0 / 559.7		
	RC 3	(84)				DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 84% Medium gray, hard DOLOMITE LILMESTONE with few nearly horizontal bedding plane fractures		
30						32.0 / 554.7		

Refusal at 16.0 feet.
Bottom of borehole at 32.0 feet.

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WELL NUMBER 17-05(1)

APTIM

CLIENT Textron
PROJECT NAME Former Bell-Aerospace Wheatfield Facility
PROJECT NUMBER 631232612
PROJECT LOCATION Wheatfield, New York
DATE STARTED 10/16/17 **COMPLETED** 10/17/17
GROUND ELEVATION 586.62 ft **HOLE SIZE** 9 inches
DRILLING CONTRACTOR Parratt-Wolff, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger & HQ Core
AT TIME OF DRILLING ---
LOGGED BY K.Cronin **CHECKED BY**
AT END OF DRILLING ---
NOTES RQDs: Run 1 11%, Run 2 40%, Run 3 82% and Run 4 100%
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA	WELL DIAGRAM
0						Hand Cleared to 5 feet bgs			Casing Type: PVC
5	NR						5.0 / 581.6		
	SS 1	20	2-2-4-3 (6)	SP		POORLY GRADED SAND WITH GRAVEL, SAND, (SP) brown, moist to wet, loose, some fine to medium sand, and fine gravel, no odor, no staining		PID = 1.8	
	SS 2	50	3-3-5-6 (8)			Very moist to wet, brown, loose fine to medium SAND and fine gravel, no staining or odor	7.5 / 579.1	PID = 1.4	
10	SS 3	55	3-6-14-29 (20)	CL-ML		LEAN CLAY WITH GRAVEL, CLAYEY SILT, (CL-ML) brown to reddish brown, moist, stiff to very stiff, some fine to coarse gravel, trace fine to medium sand, no odor, no staining Moist to very moist, brown to reddish brown, stiff to very stiff CLAYEY SILT, some fine to coarse subround to subangular gravel, trace fine to medium sand, no staining or odor	11.0 / 575.6	PID = 2.2	
	SS 4	64	29-40-50/3"	SM			12.0 / 574.6	PID = 2.1	
				CL-ML			13.0 / 573.6		
	SS 5	33	4-40-50/2"	CL-ML			14.0 / 572.6	PID = 8	
15	SS 6	50	50/5"	GP		SILT WITH SAND, SILTY SAND, (SM) reddish brown, wet, loose, some clay, and fine to coarse sand, some fine to medium gravel, no odor, no staining Wet, loose reddish brown SILTY SAND - CLAYEY SILT, some clayey sand, lower 2 inches fine to coarse sand, subround to subangular gravel, no staining or odor	15.4 / 571.2	PID = 3.2	
	SS 7	50	50/5"	GP			17.4 / 569.2	PID = 1294	
20	RC 1	(11)				LEAN CLAY WITH SAND, CLAYEY SILT, (CL-ML) reddish brown, moist, stiff, no odor, no staining Damp, stiff, reddish brown			
	RC 2	(41)				LEAN CLAY WITH GRAVEL, CLAYEY SILT, (CL-ML) brown, moist, hard, and fine to coarse gravel, no odor, no staining Damp, hard, brown CLAYEY SILT, and fine to coarse subround to subangular gravel, no staining or odor	21.6 / 565.0		
25						POORLY GRADED GRAVEL WITH SILT, GRAVEL, (GP) grayish brown, dry, stiff, with clay, and silt, chemical odor, no staining Dry, gray angular GRAVEL, little brown, moist, stiff clayey silt, no staining or odor	26.6 / 560.0		
	RC 3	(82)				POORLY GRADED GRAVEL, GRAVEL, (GP) gray, wet gray, angular fine to coarse GRAVEL, odor noted no staining			
30						DOLOMITE LIMESTONE, highly weathered, medium bedded, horizontal, fossiliferous, dark gray, no staining, [Guelph] Lockport, Layer RQD = 11% Medium gray DOLOMITE LIMESTONE with horizontal bedding plane fractures, vertical fracture from 19.9 to 20.4 feet bgs, occassional fossiliferous zones (19.7-20.0 ft bgs)	31.6 / 555.0		
	RC 4	(100)				DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 40% Medium gray DOLOMITE LIMESTONE with horizontal bedding plane fractures, occassional low angle fractures with minor gypsum mineralization.	32.5 / 554.1		

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APTIM

CLIENT Textron **PROJECT NAME** Former Bell-Aerospace Wheatfield Facility

PROJECT NUMBER 631232612 **PROJECT LOCATION** Wheatfield, New York

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
						DOLOMITE LIMESTONE, moderately weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 82% Medium gray DOLOMITE LIMESTONE with horizontal bedding plane fractures		
						DOLOMITE LIMESTONE, slightly weathered, medium bedded, horizontal, dark gray, no staining, [Guelph] Lockport, Layer RQD = 100% Medium gray DOLOMITE LIMESTONE		
						Refusal at 17.5 feet. Bottom of borehole at 32.5 feet.		

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