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Letter of Transmittal

Attention:	Mr. Glenn May	Date:	January 27, 2020
Project reference:	Former Scott Aviation Facility NYSDEC Site Code 9-15-149	Project number:	60538931

We are sending you the following:

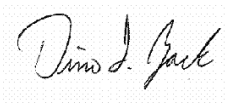
Number of originals:	Number of e-copies:	Description:
1	1	Fiscal First Quarter 2020 Groundwater Monitoring Report– October 18, 2019 through January 9, 2020 for the Former Scott Aviation, West of Plant 2 Site

Dear Mr. May:

Enclosed is the Fiscal First Quarter 2020 Groundwater Monitoring Report– October 18, 2019 through January 9, 2020 for the Former Scott Aviation West of Plant 2 Site located in Lancaster, New York (NYSDEC Site Code No. 9-15-149). A CD containing a pdf of this report is also included with the original submittal.

If you have any questions, please contact me at (716) 923-1125 or via the Internet at dino.zack@aecom.com at your earliest convenience.

Sincerely,
Dino L. Zack, PG, STS



Signature

Cc: Mr. Stuart Rixman (GSF Management Company, LLC) - electronic copy
Mr. Troy Chute (GSF Management Company, LLC) - electronic copy
Mr. Christopher Bourne (AVOX Systems Inc.) – electronic copy
AECOM Project File (60538931) – electronic copy

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January 27, 2020

Mr. Glenn May, PG
New York State Department of Environmental Conservation, Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999

Subject: **Fiscal First Quarter 2020 Groundwater Monitoring Report (10/17/19-01/09/20)**
January 2020 Sampling Event
Former Scott Aviation Facility – West of Plant 2
Lancaster, New York
NYSDEC Site Code No. 9-15-149

Dear Mr. May:

On behalf of Scott Figgie LLC (successor to Scott Technologies, Inc.), AECOM Technical Services, Inc. (AECOM) is pleased to provide this Fiscal First Quarter 2020 Groundwater Monitoring Report for the former Scott Aviation Facility – West of Plant 2 area (site) located in Lancaster, New York (**Figure 1**). Quarterly groundwater monitoring activities have been performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Administrative Order on Consent (AOC), Index No. B9-0377095-05, for the former Scott Aviation facility (formerly Figgie International), NYSDEC Site Code No. 9-15-149. This report has been developed in accordance with the NYSDEC Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010.

Groundwater samples were collected from select monitoring wells in fulfillment of the site AOC for groundwater monitoring requirements. A new monitoring schedule was implemented based on Table 12 presented in the NYSDEC-approved Periodic Review Report (PRR) (April 18, 2018 through April 8, 2019), dated August 8, 2019, and the wells sampled during this groundwater monitoring event reflect this schedule. Additionally, one vapor sample was collected from the air stripper discharge sampling port as part of the January 2020 sampling event, to ensure that the treated system effluent was in compliance with NYSDEC vapor discharge guidance criteria. Included in this report are a description of the project background, groundwater and vapor monitoring activities, operation and maintenance (O&M) activities for the groundwater dual phase extraction (DPE) remediation system, and a summary of groundwater quality and vapor effluent results.

Project Background

Scott Aviation, Inc. was sold to Zodiac Acquisitions Corporation in 2004, and the facility is now occupied by AVOX Systems Inc. (AVOX). Per the purchase and sale agreement, the responsibility for the DPE groundwater remediation system located at 25A Walter Winter Drive, west of AVOX Plant 2, was retained for a designated period of years by Scott Technologies, Inc., the former parent company of Scott Aviation, Inc. Due to an organizational change, Scott Figgie LLC has replaced Scott Technologies, Inc. as the entity responsible under that agreement for the remediation of the subject site until the designated period ends. Scott Figgie has retained the services of AECOM for the ongoing O&M of the DPE remediation system and related groundwater monitoring activities.

AECOM conducted a site investigation during February 2003 in fulfillment of the document Site Investigation Work Plan dated December 31, 2002 (NYSDEC approval dated January 15, 2003). A

comprehensive “Site Investigation Completion Report” (SICR) was submitted to NYSDEC on June 30, 2003; the report was approved by NYSDEC in August 2003. At the request of NYSDEC, AECOM prepared a “Remedial Design Work Plan” (RDWP) to complete the additional remedial work recommended in the SICR. The RDWP was submitted to NYSDEC on November 21, 2003, and the document was approved by NYSDEC on January 5, 2004.

Per the approved RDWP, a DPE remediation system was installed at the site during the period February 2004 through May 2004, and the DPE system was initially started on May 14, 2004. The DPE system was combined with a pre-existing groundwater collection trench (GWCT) system that was started on March 1, 1996.

The objectives for this combined remediation system (collectively known as the combined DPE remediation system) include:

- Maintaining hydraulic capture of groundwater containing dissolved volatile organic compounds (VOCs) along the western Plant 2 property boundary;
- Inducing a depression in the water table surface and reversing the groundwater flow direction along the western Plant 2 property boundary; and,
- Reducing VOC concentrations in perched groundwater and soil.

Figure 2 depicts the location of site groundwater monitoring wells and piezometers, DPE recovery wells and system piping, enclosed DPE system trailer, and pre-existing GWCT and treatment building. **Figure 3** provides the process and instrumentation diagram for the combined DPE remediation system.

At the conclusion of the initial one-year O&M period (May 14, 2004 to July 19, 2005), a “Remedial Action Engineering Report” (RAER) was prepared to summarize the combined DPE remediation system as-built design, combined DPE remediation system start-up, O&M activities, and quarterly monitoring data, and to provide recommendations for continued system operation, system optimization, sampling frequency, and O&M. The 2005 RAER was submitted to NYSDEC on November 11, 2005. In a letter dated December 13, 2005, NYSDEC accepted the 2005 RAER and requested that site monitoring wells MW-4, MW-8R, and MW-16S be added to the quarterly site sampling schedule.

The second year of combined DPE groundwater remediation system operation was summarized in the 2006 RAER (July 20, 2005 through July 20, 2006) and was submitted to NYSDEC in November 2006. The third year of combined DPE groundwater remediation system operation was summarized in the 2007 RAER (July 21, 2006 through October 15, 2007) and was submitted to NYSDEC in January 2008. The fourth year of combined DPE groundwater remediation system operation was summarized in the 2008 RAER (October 15, 2007 through January 22, 2009) and was submitted to NYSDEC in April 2009. The fifth year of combined DPE groundwater remediation system operation was summarized in the 2009 RAER (January 22, 2009 through April 8, 2010) and was submitted to NYSDEC in June 2010.

Per a letter from NYSDEC dated August 16, 2010, an Institutional Controls/Engineering Controls (IC/EC) certification has been, as of that correspondence, required for the site each calendar year, and is to include four quarters of groundwater sampling based on the current **Table 1**. **Table 1** is updated quarterly; the attached **Table 1** presents the groundwater monitoring schedule for the site from April 2020 through January 2021. The August 2010 NYSDEC letter also stated that, as of that correspondence, the RAER should be revised into a Periodic Review Report (PRR). Therefore, the sixth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 8, 2010 through April 7, 2011) and submitted to NYSDEC in June 2011. The seventh year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2011

through April 3, 2012) and submitted to NYSDEC in May 2012. The eighth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 3, 2012 through April 3, 2013) and submitted to NYSDEC in July 2013. The ninth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 3, 2013 through April 7, 2014) and submitted to NYSDEC in July 2014. The tenth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2014 through April 7, 2015) and submitted to NYSDEC in July 2015. The eleventh year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2015 through April 7, 2016) and submitted to NYSDEC in November 2016. The twelfth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2016 through April 20, 2017) and submitted to NYSDEC on May 30, 2017. The thirteenth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 20, 2017 through April 18, 2018) and submitted to NYSDEC on May 31, 2018. During the past year, the fourteenth PRR (April 18, 2018 through April 8, 2019) was completed and submitted to NYSDEC on June 15, 2019; per NYSDEC comment letter dated August 2, 2019, the fourteenth PRR was revised and resubmitted on August 8, 2019. The fourteenth PRR was approved via email by NYSDEC on December 31, 2019. An IC/EC certification was included with each PRR apart from the five most recent PRRs; NYSDEC informed AECOM via email that an IC/EC certification form was not auto-generated by the NYSDEC and therefore to submit those PRRs without an IC/EC certification.

Quarterly Groundwater Monitoring Activities – January 2020

AECOM personnel collected quarterly groundwater samples on January 6-9, 2020 (a vapor sample was collected on January 9, 2020), in accordance with the procedures outlined in the NYSDEC-approved November 2003 RDWP and the August 2010 letter. January 2020 groundwater samples were collected from nine monitoring wells (MW-2, MW-3, MW-4, MW-8R, MW-11, MW-13S, MW-13D, MW-16S, MW-16D), the GWCT, and eight DPE wells (DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, and DPE-8) (**Figure 2**). Field forms generated during this sampling event are provided in **Appendix A**. Groundwater samples were analyzed for VOCs by Eurofins TestAmerica Laboratories, Inc. (Amherst, New York) using United States Environmental Protection Agency (EPA) SW-846 Method 8260C.

Prior to the collection of groundwater samples, a complete round of groundwater levels was measured in all site wells and piezometers. **Table 2** provides a summary of groundwater elevations measured on January 6, 2020. A summary of current and historical groundwater levels and corresponding elevations and hydrographs for each active monitoring well and nested piezometer pair is provided in **Appendix B**. Monitoring well MW-2 is screened across the shallow overburden groundwater zone while MW-3, MW-4, MW-8R, MW-9, and MW-11 are screened across both the shallow and deep overburden groundwater zones. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened with one piezometer screened in the shallow overburden groundwater zone (‘S’ designation) and one piezometer screened in the deep overburden groundwater zone (‘D’ designation). DPE wells DPE-1, DPE-3, DPE-5, DPE-6, and DPE-8 are screened in the shallow water-bearing unit, while DPE-2, DPE-4, and DPE-7 are screened in the deep water-bearing unit. The GWCT is installed in the deep overburden water-bearing unit.

Two groundwater surface contour maps for January 2020 are provided. The average water levels calculated for the nested piezometer pairs and monitoring wells, in conjunction with GWCT water level data, were used to generate the groundwater surface contours presented in **Figure 4**. **Figure 5** illustrates the groundwater surface contours using only monitoring well and deep piezometer and GWCT water level data.

Groundwater elevations measured from monitoring wells and piezometers on January 6, 2020 ranged from 687.13 feet above mean sea level (AMSL) at MW-15S to 676.44 feet AMSL at both

MW-13S and MW-14D. The average groundwater surface elevation across the site was 1.4 feet higher when compared to the prior round of groundwater elevation measurements collected in October 2019. The increase in groundwater elevations may be attributable to seasonal variations. Note the DPE system was off line during the January 2020 groundwater sampling event to accommodate the November 2018 injection program; the GWCT was on-line during the January 2020 groundwater sampling event. Based on the January 2020 groundwater level measurements, the groundwater surface beneath the Site continues to exhibit inward flow towards the GWCT. As **Figures 4** and **5** illustrate, the GWCT induces groundwater flow reversal along the western AVOX Plant 2 property boundary. This reversal in groundwater flow provides hydraulic capture of VOCs present in the shallow and deep overburden groundwater that might otherwise migrate off-site.

Groundwater Quality Results – January 2020

Tables 3, 4 and **5** summarize VOC data for groundwater samples collected in January 2020 from the monitoring wells and piezometers, DPE wells, and GWCT, respectively. The table below summarizes VOCs detected in groundwater above their detection limits, their respective concentration ranges, the number of detections, and the number of those detections that exceeded the site-specific Remedial Action Objectives (RAOs) or the guidance values in New York Code, Rules, and Regulations (NYCRR), Title 6, Parts 702.15(a)(2) and 703.5. Note that in some cases the detection limits for certain VOCs were set above their respective RAO's due to dilution factors (high concentration of target analyte[s]). Consistent with previous quarterly reports, the table below summarizes only monitoring wells and piezometers (GWCT and DPE well results are not included).

Groundwater Quality Results
January 2020

VOCs Detected in Groundwater	Concentration Range (micrograms per liter)	Number of Detections	RAO/NYCRR Exceedances
Vinyl Chloride	1.4 – 40,000	7	5
Chloroethane	1.1 – 1,700	7	5
1,1-Dichloroethane	0.54 – 550	7	3
cis-1,2-Dichloroethene	1.3 – 30,000	6	3
Toluene	0.62 – 670	5	3
Acetone	3.3 – 57	4	1
2-Butanone	5.1 – 64	3	1
2-Hexanone	10	1	0
Trichloroethene	0.64	1	0
Caron Disulfide	0.21	1	0

Ten VOCs were detected in groundwater from monitoring wells and piezometers sampled above their associated detection limits during the monitoring period. Seven of the ten VOCs detected exceeded either the site-specific RAOs for groundwater or the NYCRR criteria. Note that acetone, a laboratory cleaning compound, was detected in four of the ten samples. The occurrences of constituents of potential concern were detected primarily in the vicinity of the former on-site source area. VOC concentrations decrease significantly in the vicinity of the perimeter monitoring wells.

An electronic copy of the analytical laboratory data package for the January 2020 groundwater monitoring event is provided in **Appendix C**. A complete hard copy of the analytical data report can be made available to NYSDEC upon request.

The presence and distribution of trichloroethene (TCE) degradation products cis-1,2-dichlorethene (cis-1,2-DCE) and vinyl chloride (VC), and of 1,1,1-trichloroethane (1,1,1-TCA) degradation products 1,1-dichlorethane (1,1-DCA) and chloroethane, provides supportive evidence that the attenuation of TCE and 1,1,1-TCA continues to occur on the site via reductive dechlorination. The occurrence of these degradation products appears to be directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. In addition, the virtual elimination of TCE and 1,1,1-TCA concentrations between Third Quarter 2015 and the current reporting period can be attributed to the injection pilot test performed in November 2014 using the injectate Anaerobic BioChem and zero valent iron (ABC+®), the injection treatment in April/May 2015 using ABC+®, and the most recent injection treatment in November 2018 using ABC-Ole+® (ABC-Ole+® is a mixture of Anaerobic BioChem, zero valent iron, and emulsified fatty acids). For details of the injection programs, refer to the NYSDEC-approved 2014 Injection Pilot Test Work Plan dated November 6, 2014, the NYSDEC-approved 2015 addendum to the 2014 Injection Pilot Test Work Plan dated April 28, 2015, and the NYSDEC-approved 2018 Injection Pilot Test Work Plan dated October 31, 2018. A summary of the November 2018 injection program was included in the 2019 PRR (August 8, 2019).

Historical trend plots for the wells sampled during this quarter for concentrations of TCE, cis-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, and chloroethane are provided in **Appendix D**. As stated above, the VOC concentrations in groundwater continue to show a degradation trend both as a result of naturally occurring reductive dechlorination processes, and as a result of the injection programs. Additionally, historical concentrations of VOCs in soil vapor and groundwater are also decreasing as a result of extraction and treatment through the combined DPE remediation system. Because TCE has been considered the primary source of groundwater contamination at the site, a summary of historical and current TCE concentrations in groundwater for six of the nine monitoring wells and piezometers sampled in January 2020 is included in **Table 6**. Recall that the DPE component of the combined remediation system was started May 14, 2004 and the injection of ABC+® occurred in November 2014 and April/May 2015, with a follow up injection of ABC-Ole+® in November 2018. In addition, a chemical oxidation injection pilot test was performed between July and October 2010, and a second series of chemical oxidation injections was performed between June and October 2011.

Table 6 shows a summary of historical and current TCE concentrations. Based on the January 2020 groundwater data, there was one detection of TCE in the monitoring wells and piezometers (MW-13S), but well below the site-specific RAOs for groundwater and the NYCRR criteria. It is important to note that the November 2014 injections were centered on MW-4 and MW-8R, while the April/May 2015 and November 2018 injections included an expanded area which also included MW-13S/D and MW-16S/D. Overall, decreases in TCE concentrations observed since the combined DPE groundwater remediation system was installed in May 2004 indicate that the system continues to reduce VOC concentrations in overburden groundwater and soil at the site. Based on the decrease in concentration of TCE at these locations, as well as other locations with historical detections of TCE, the previous injections appear to be contributing to the ongoing degradation of TCE. This is most clearly demonstrated on the TCE trend plots in **Figures 6** through **9** for monitoring wells MW-4, MW-8R, MW-13S, and MW-16S.

Quarterly Combined DPE Remediation System Vapor Effluent Monitoring Activities – October 2019

AECOM personnel collected a vapor effluent sample from the groundwater remediation system vapor discharge stack on January 9, 2020, but because the DPE system was off-line to accommodate the November 2018 injection program, an air sample was not collected from the DPE vacuum pump discharge stack. A Summa canister was used to collect the vapor sample from the permanent sample port located on the air stripper (AS) discharge stack. **Figure 3** shows the location of the vapor sample port. The vapor sample was analyzed for VOCs using EPA Method TO-15 by Eurofins TestAmerica Laboratories, Inc., Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – January 2020

The system vapor effluent results are summarized in **Table 7**, and an electronic copy of the analytical laboratory data package is provided on the enclosed CD in **Appendix C**. Three VOCs were detected in the AS unit effluent; the total VOCs discharged were 9.2 micrograms per cubic meter. The calculated VOC discharge-loading rate for the GWCT remediation system was approximately 0.00001 pounds per hour (lb/hr), which is well below the NYSDEC discharge guidance value of 0.5 lb/hr.

Combined DPE Remediation System Operation and Maintenance

Throughout the duration of the reporting period, AECOM monitored system performance, conducted routine O&M, and responded to potential system alarms and periodic breakdowns of the combined DPE remediation system.

- During the week of December 2, 2019, AECOM noted the air stripper blower motor had stopped working due to potential issues with the bearings. Following approval by Scott Figgie LLC, AECOM and subcontractor Matrix Environmental Technologies, Inc. removed the motor and transported the unit to KJ Electric for repairs. The motor was repaired and reinstalled during the week of December 30, 2019.

Based on a system operational period from October 13, 2019 (Fourth Quarter 2019 BSA compliance sampling event) to Janaury 9, 2020 (First Quarter 2020 BSA compliance sampling event), the estimated total volume of groundwater (including water collected in the remediation building sump) treated and discharged by the AS unit to the local sanitary sewer was 244,873 gallons, at an average flow rate of 1.93 gallons per minute. Note: the DPE remedial system was off-line during the sampling event to accommodate the November 2018 injection program; the GWCT was on-line.

Summary

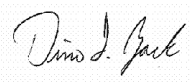
The DPE was taken off-line on November 26, 2018 to accommodate the injection of ABC-Ole+® and remained off-line during the First Quarter 2020 sampling event; the GWCT was down for repairs for one approximately one month during the First Quarter 2020 sampling event. TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, and MW-11. Following the November 2014 injection pilot test, and the subsequent April/May 2015 and November 2018 injection treatments, significant reductions in TCE concentrations have been measured at MW-4, MW-8R, MW-13S, and MW-16S.

Based on the results of the January 2020 sampling event, the combined GWCT system continues to maintain hydraulic capture of the overburden groundwater. In addition, the system continues to make progress towards the reduction of the concentration of VOCs present in site soil and groundwater. Vapor emissions produced by the system during the First Quarter 2020 event were well below than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event, the annual sampling event, is planned for April 2020; a list of the monitoring wells and piezometers to be sampled is included in **Table 1**.

If you have any questions regarding this submission, please do not hesitate to contact me at (716) 923-1125 or via e-mail at dino.zack@aecom.com.

Yours sincerely,

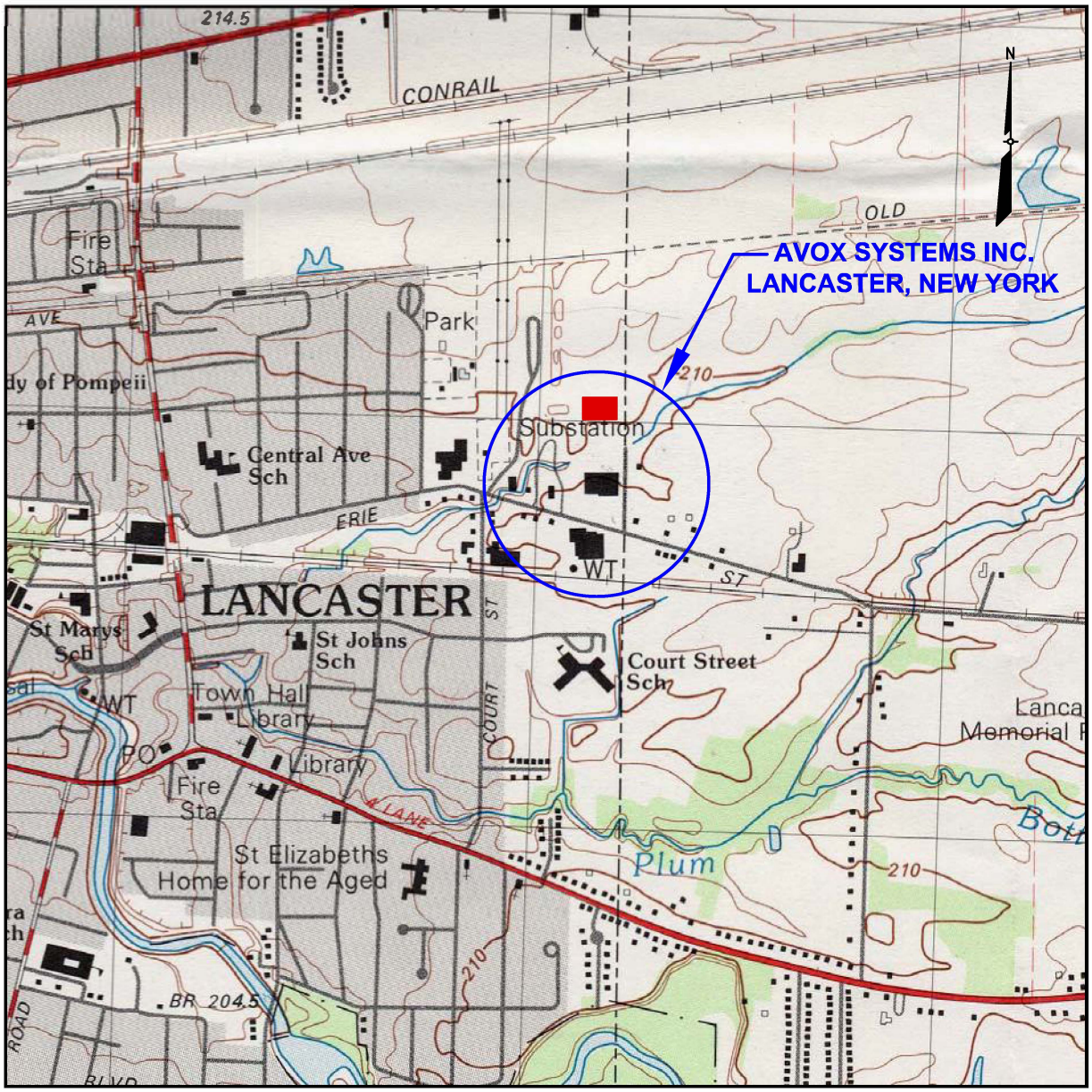


Dino L. Zack, PG, STS
Project Manager
dino.zack@aecom.com

\Enclosures

cc: Stuart Rixman, GSF Management Company LLC (Electronic copy)
Troy Chute, GSF Management Company LLC (Electronic copy)
Christopher Bourne, AVOX Systems Inc. (Electronic Copy)
AECOM Project 60538931 File (Electronic Copy)

Figures



SOURCE:
1982 GEOLOGIC SURVEY 7.5 X 15 MINUTE TOPOGRAPHIC QUADRANGLE
LANCASTER, NEW YORK

LEGEND

AVOX PLANT 3 ADDED AFTER PUBLICATION OF LANCASTER, NEW YORK TOPOGRAPHIC QUADRANGLE.

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FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

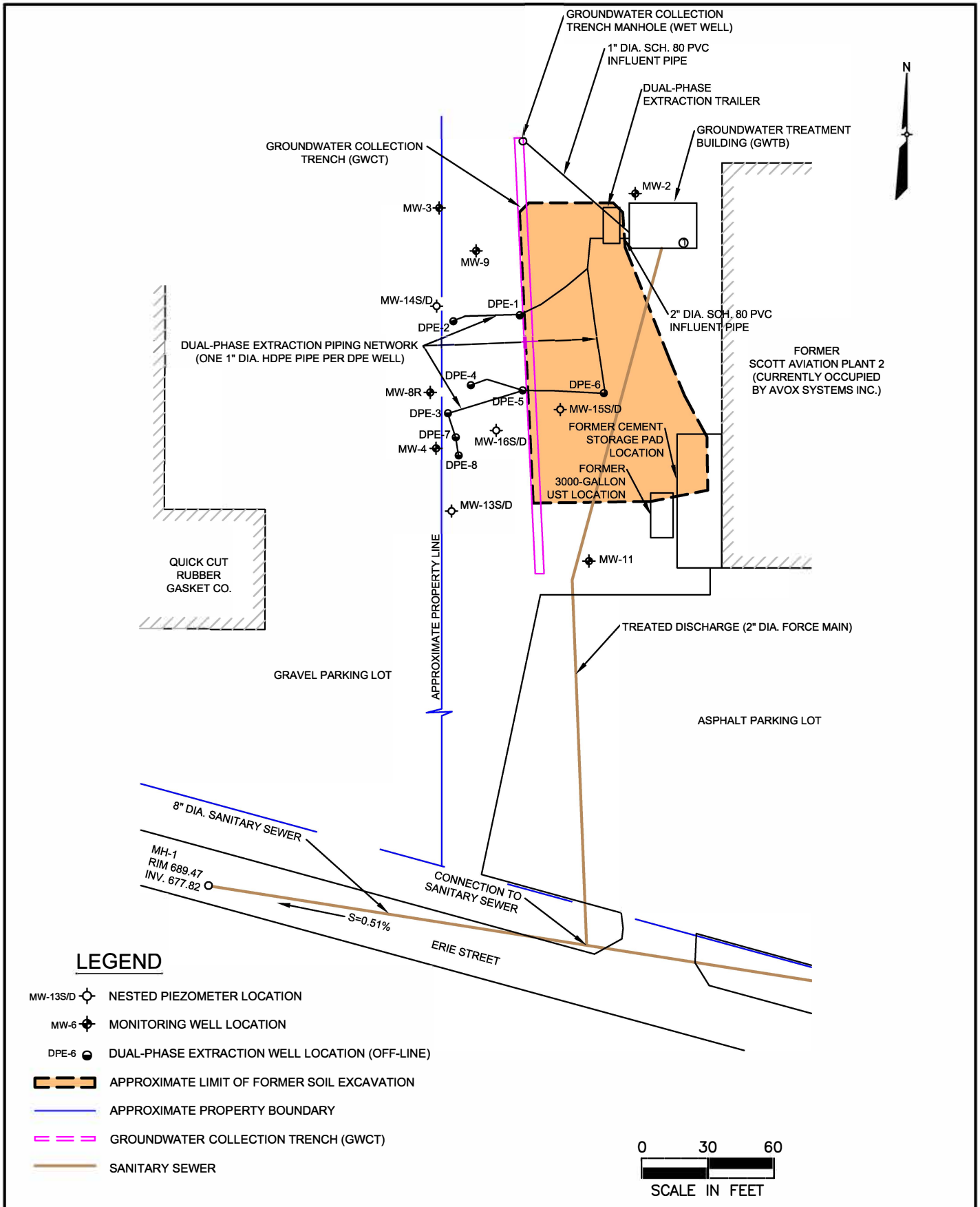

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FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

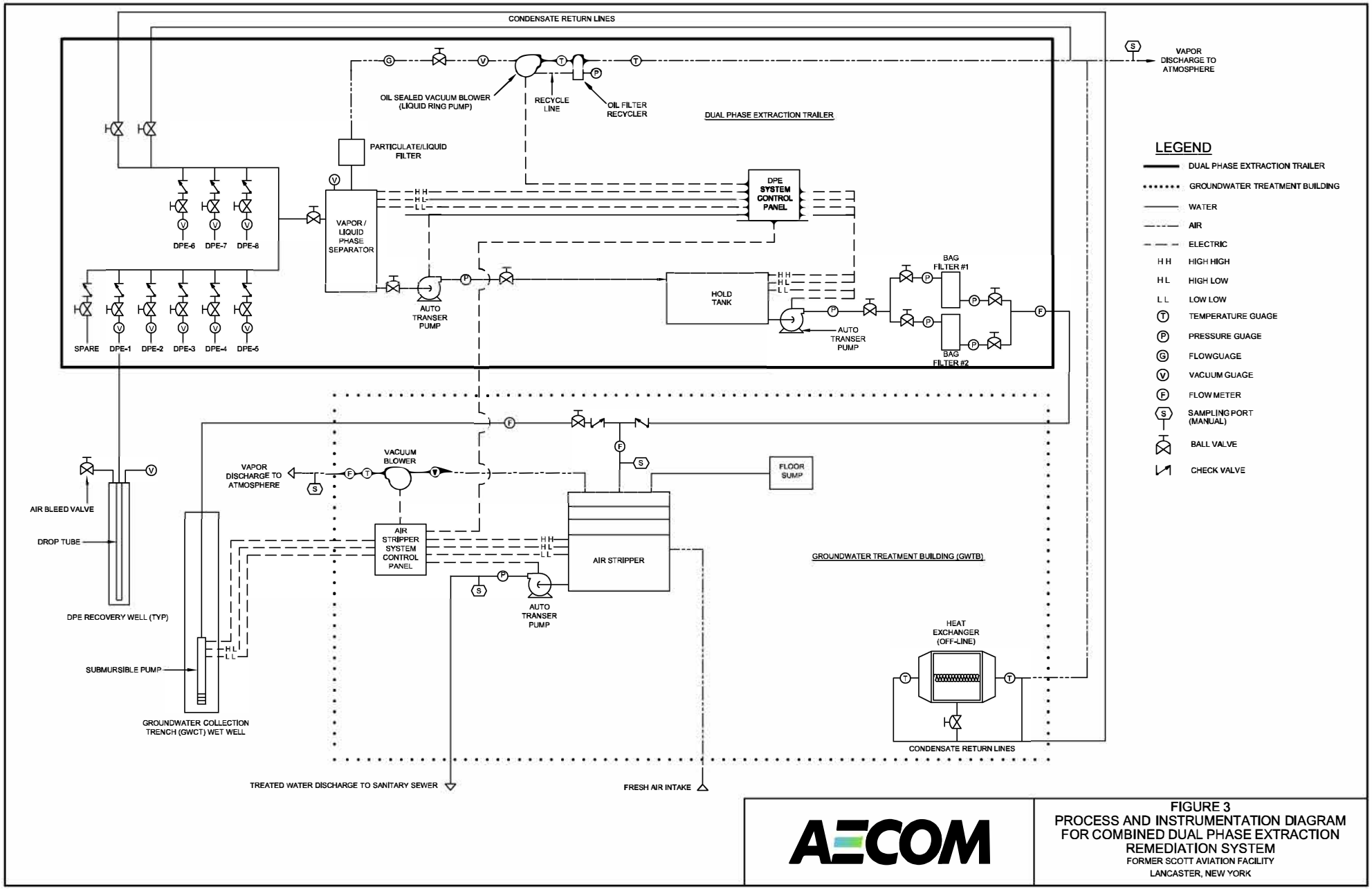

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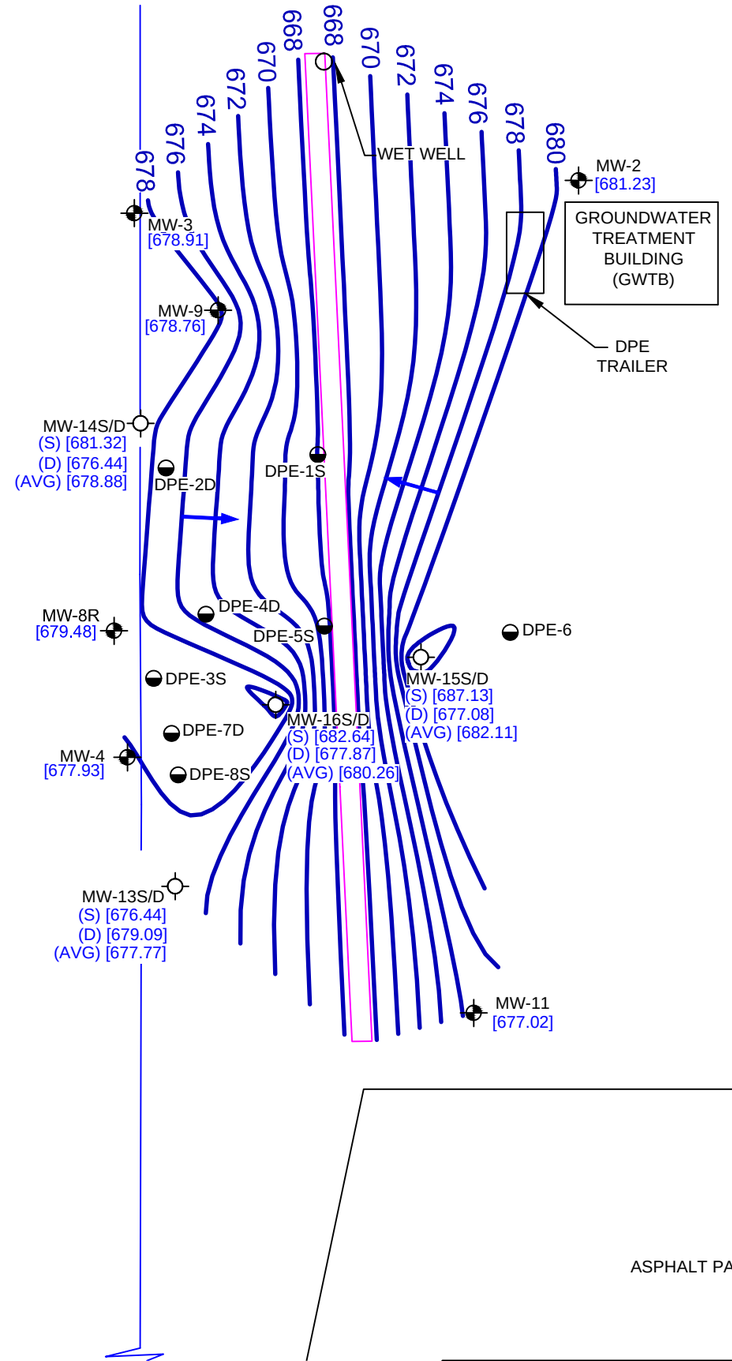
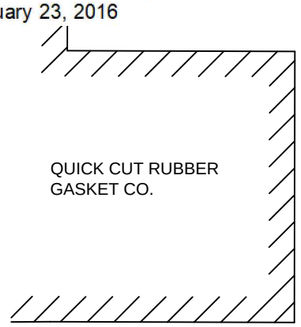
FIGURE 3
PROCESS AND INSTRUMENTATION DIAGRAM FOR COMBINED DUAL PHASE EXTRACTION REMEDIATION SYSTEM
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Quarterly Groundwater Monitoring Water Level Data - January 6, 2020
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	688.62	7.39	681.23
MW-3	687.05	8.14	678.91
MW-4	686.50	8.57	677.93
MW-8R	686.29	6.81	679.48
MW-9	689.57	10.81	678.76
MW-11	688.61	11.59	677.02
Nested Piezometers			
MW-13S	686.65	10.21	676.44
MW-13D	686.78	7.69	679.09
MW-14S	685.74	4.42	681.32
MW-14D	685.88	9.44	676.44
MW-15S	687.17	0.04	687.13
MW-15D	687.87	10.79	677.08
MW-16S	688.15	5.51	682.64
MW-16D	688.16	10.29	677.87
Remedial System			
GWCT Manhole (rim)	687.22	19.66	667.56

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the collection manhole
Locations re-surveyed on February 23, 2016





GRAVEL PARKING LOT

FORMER SCOTT AVIATION PLANT 2

ASPHALT PARKING LOT

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- MW-13S/D — NESTED PIEZOMETER LOCATION
- MW-9 — MONITORING WELL LOCATION
- DPE-6 — DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [677.02] — GROUNDWATER SURFACE ELEVATION IN FEET AMSL
- 678 — ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET AMSL
- GROUNDWATER FLOW DIRECTION
- (S) — SHALLOW PIEZOMETER/DPE
- (D) — DEEP PIEZOMETER/DPE
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTES

1. GROUNDWATER ELEVATIONS WERE AVERAGED AT SHALLOW AND DEEP PIEZOMETER PAIR LOCATIONS (e.g. MW-15S/D) TO COMPARE TO ELEVATIONS MEASURED IN WELLS SCREENED ACROSS THE ENTIRE OVERBURDEN THICKNESS.
2. GROUNDWATER WATER LEVELS WERE COLLECTED ON JANUARY 6, 2020.
3. THE DPE SYSTEM WAS TEMPORARY TURNED OFF LINE TO ACCOMMODATE THE NOVEMBER 2018 GROUNDWATER INJECTION PROGRAM. (THE GROUNDWATER COLLECTION TRENCH WAS ACTIVELY PUMPING.)

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AECOM

FIGURE 4
JANUARY 6, 2020 AVERAGE OVERBURDEN GROUNDWATER ELEVATIONS

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Quarterly Groundwater Monitoring Water Level Data - January 6, 2020
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

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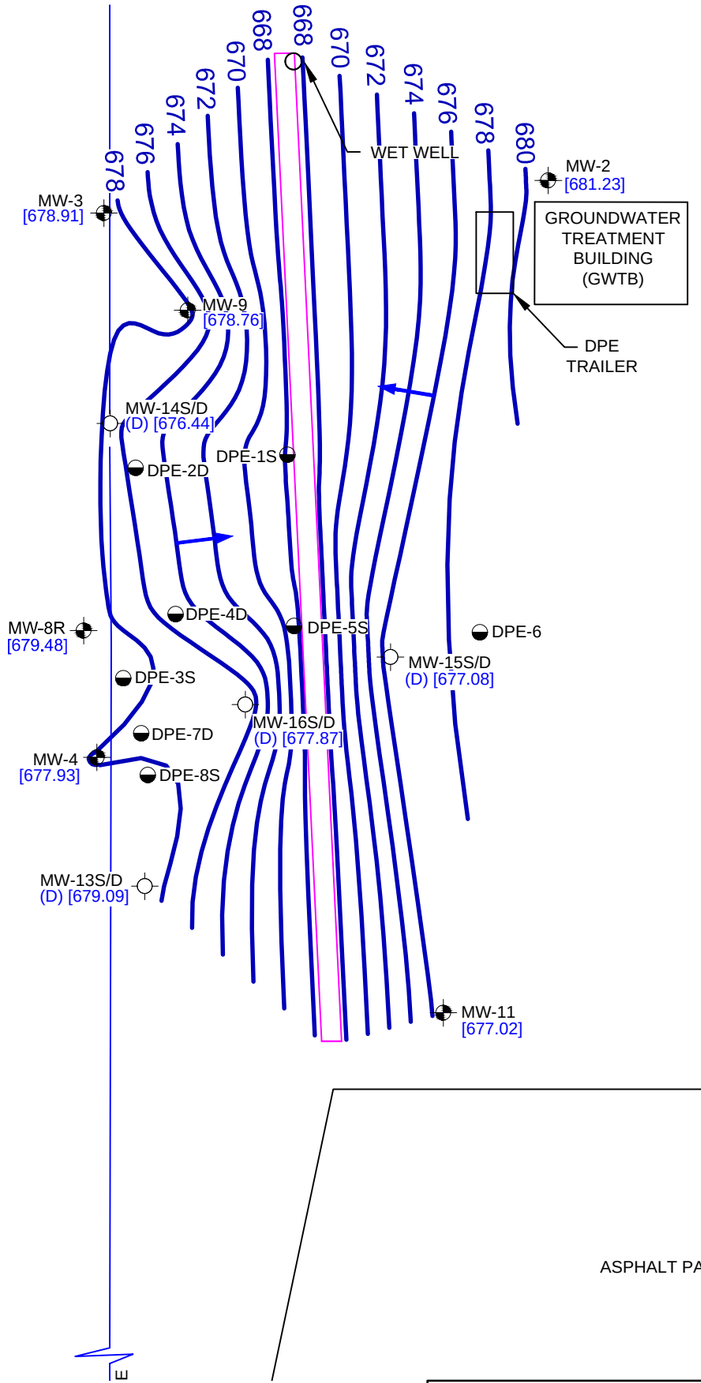
MW-4	686.50	8.57	677.93
MW-8R	686.29	6.81	679.48
MW-9	689.57	10.81	678.76
MW-11	688.61	11.59	677.02
Nested Piezometers			
MW-13S	686.65	10.21	676.44
MW-13D	686.78	7.69	679.09
MW-14S	685.74	4.42	681.32
MW-14D	685.88	9.44	676.44
MW-15S	687.17	0.04	687.13
MW-15D	687.87	10.79	677.08
MW-16S	688.15	5.51	682.64
MW-16D	688.16	10.29	677.87
Remedial System			
GWCT Manhole (rim)	687.22	19.66	667.56

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the collection manhole
Locations re-surveyed on February 23, 2016



LEGEND

- MW-13S/D — NESTED PIEZOMETER LOCATION
- MW-9 — MONITORING WELL LOCATION
- DPE-6 — DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [677.02] — GROUNDWATER SURFACE ELEVATION IN FEET AMSL
- 676 — ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET AMSL
- GROUND WATER FLOW DIRECTION
- (S) — SHALLOW PIEZOMETER/DPE
- (D) — DEEP PIEZOMETER/DPE
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTES

1. GROUNDWATER ELEVATIONS FROM THE DEEP PIEZOMETERS PAIR AND DEEP DUAL PHASE EXTRACTION WELLS (i.e. MW-13D, MW-14D, MW-15D, MW-16D, DPE-2, DPE-4, AND DPE-7) WERE USED TO CREATE THE GROUNDWATER SURFACE CONTOURS.
2. GROUNDWATER WATER LEVELS WERE COLLECTED ON JANUARY 6, 2020.
3. THE DPE SYSTEM WAS TEMPORARY TURNED OFF LINE TO ACCOMMODATE THE NOVEMBER 2018 GROUNDWATER INJECTION PROGRAM. (THE GROUNDWATER COLLECTION TRENCH WAS ACTIVELY PUMPING.)

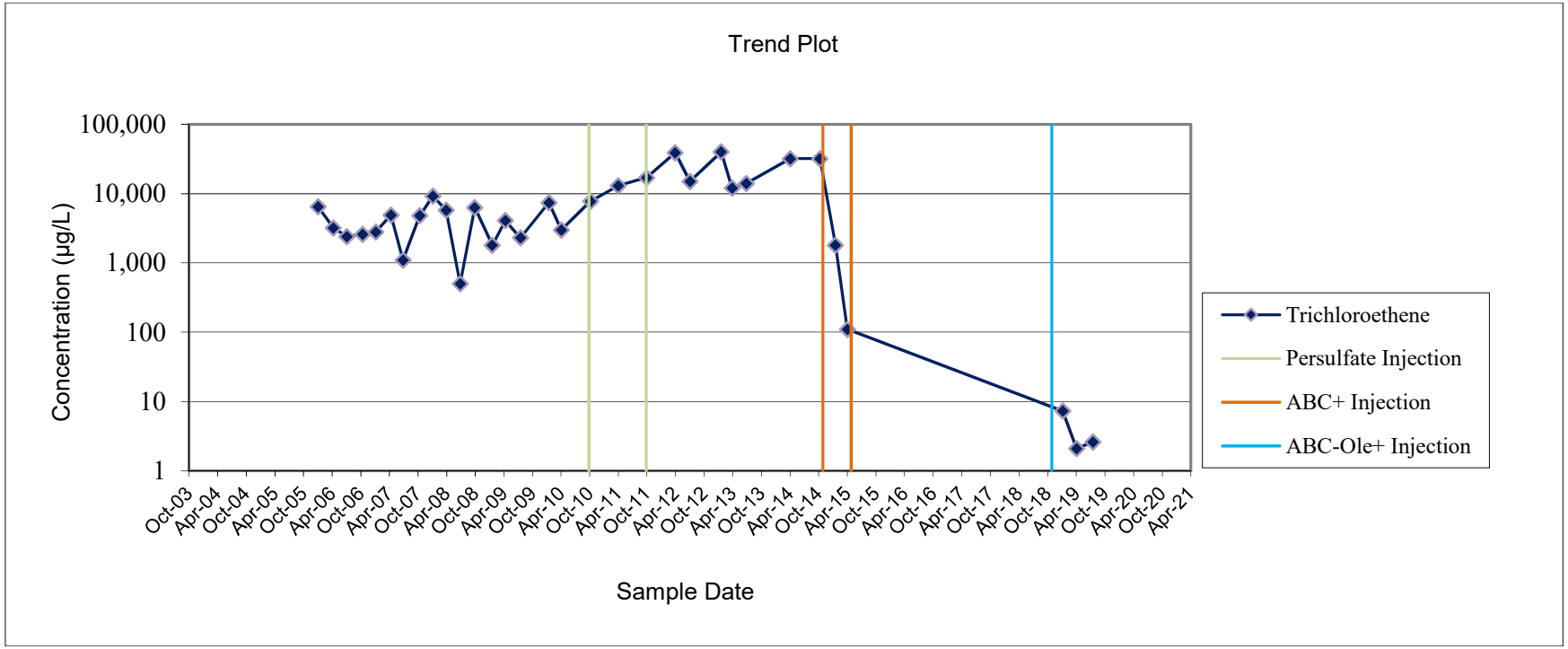
0 15 30 60
SCALE IN FEET

AECOM

FIGURE 5
JANUARY 6, 2020 DEEP OVERBURDEN GROUNDWATER ELEVATIONS

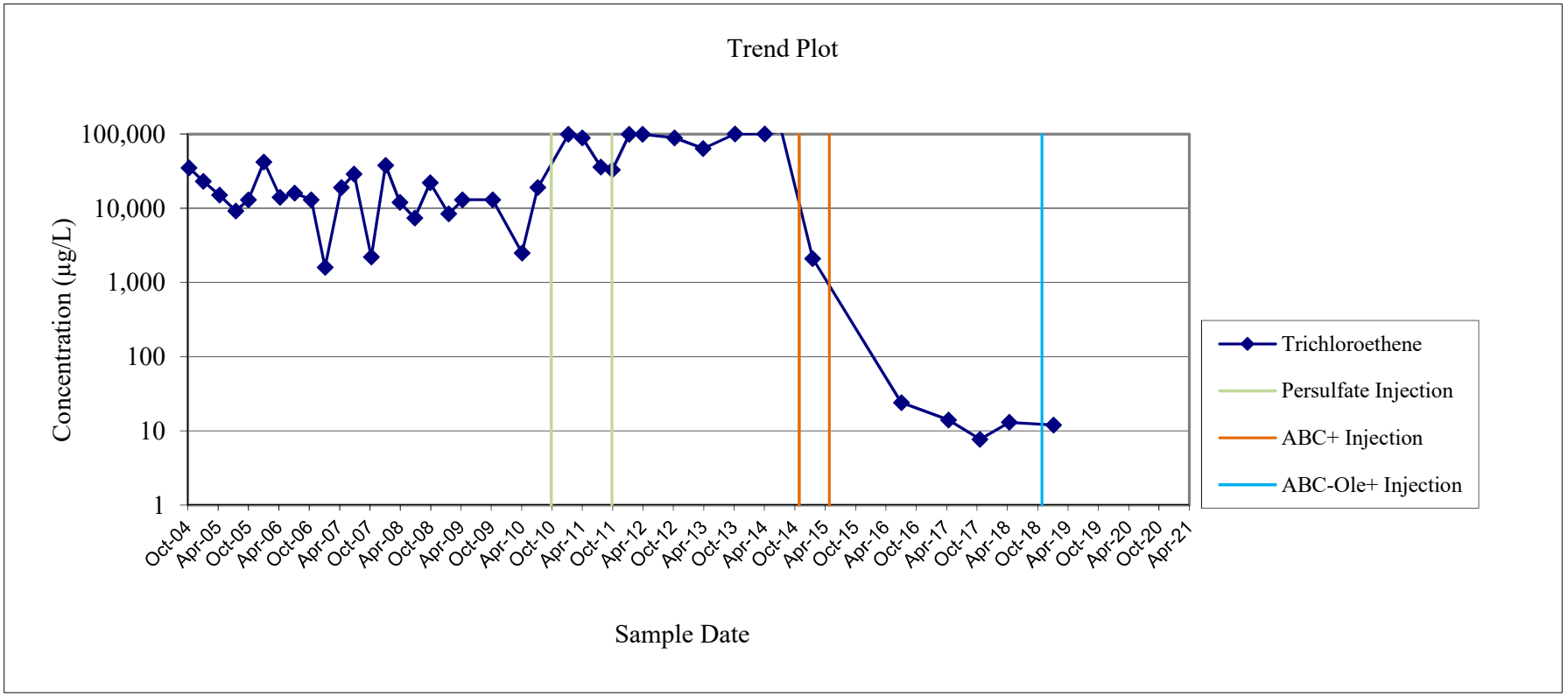
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

FIGURE 6
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
MONITORING WELL MW-4
Former Scott Aviation Site
Lancaster, New York



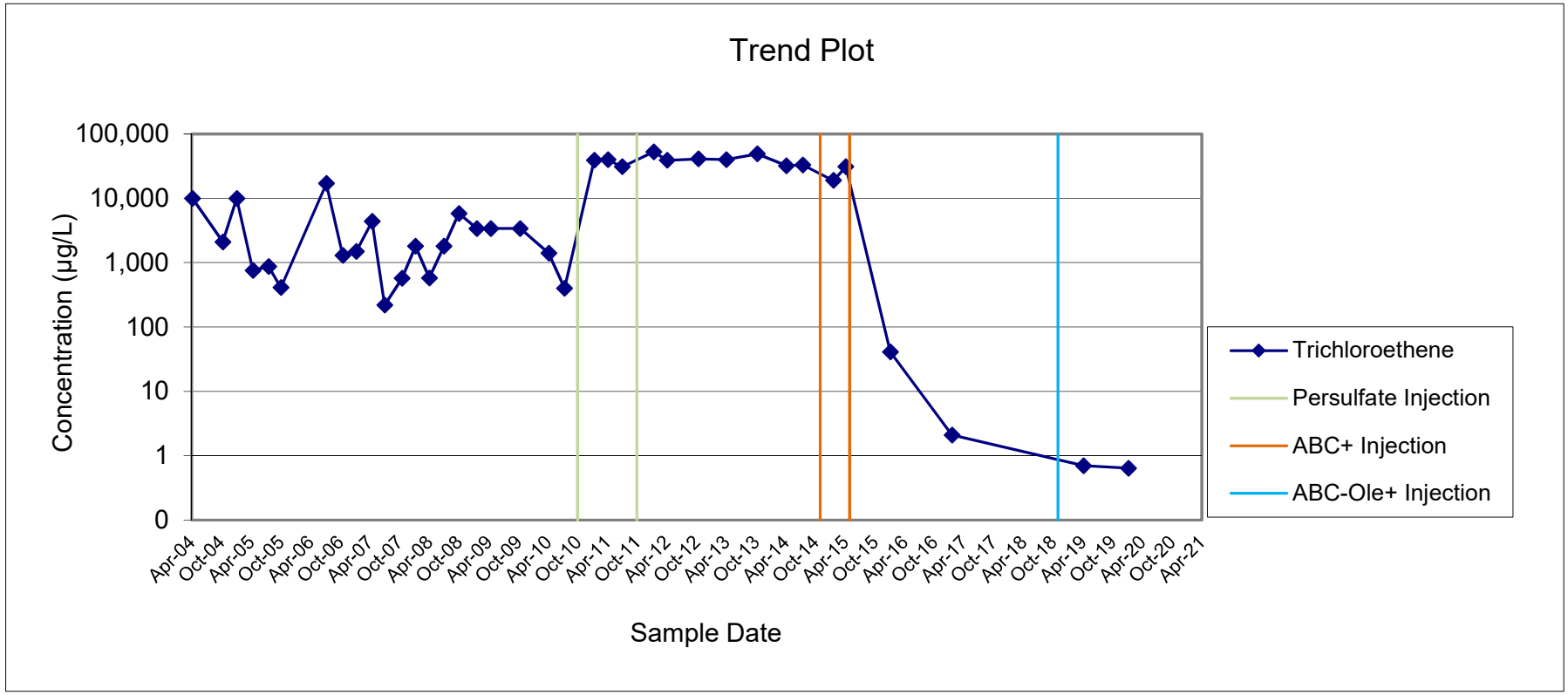
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.
Trichloroethane was not detected above the recording limit during the last two sampling events (October 2019 and January 2020).

FIGURE 7
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
MONITORING WELL MW-8R
Former Scott Aviation Site
Lancaster, New York



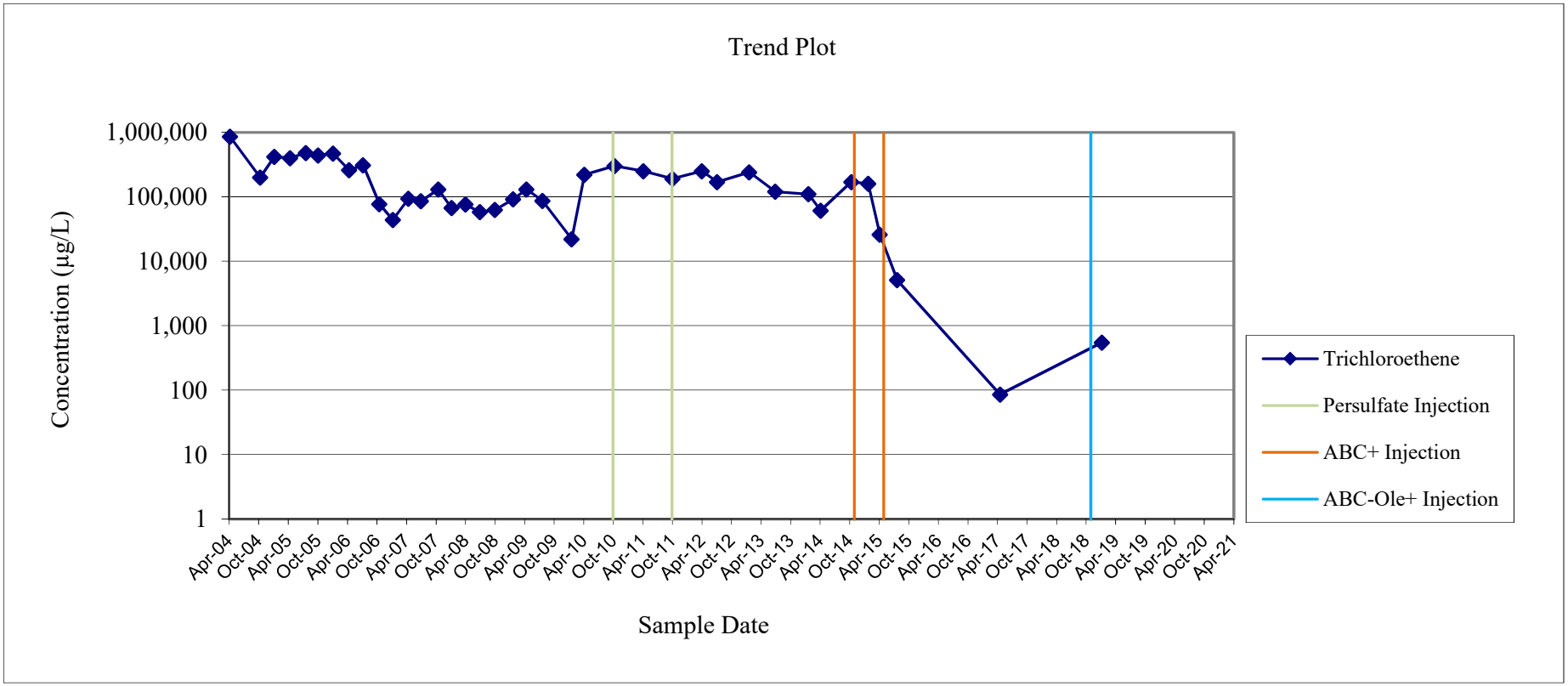
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.
Trichloroethane was not detected above the recording limit during the last four sampling events (April 2019, July 2019, October 2019 and January 2020).

FIGURE 8
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
MONITORING WELL MW-13S
Former Scott Aviation Site
Lancaster, New York



Note: Well was dry during the July 2019 and October 2019 sampling events.

FIGURE 9
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
MONITORING WELL MW-16S
Former Scott Aviation Site
Lancaster, New York



Note: Trichloroethane was not detected above the recording limit during the last four sampling events (April 2019, July 2019, October 2019 and January 2020).

Tables

Table 1

Proposed Groundwater Monitoring Schedule - April 2020 through January 2021
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Locations Scheduled for Sampling	Locations Scheduled for Sampling			
Annual Groundwater Monitoring					
April 2020	23	MW-2	MW-3	MW-4*	MW-8R*
		MW-9	MW-11	MW-13S*	MW-13D
		MW-14S	MW-14D	MW-15S	MW-15D
		MW-16S*	MW-16D*	DPE-1	DPE-2
		DPE-3	DPE-4	DPE-5	DPE-6
		DPE-7	DPE-8	GWCT	
Quarterly Groundwater Monitoring					
July 2020	18	MW-2	MW-3	MW-4	MW-8R
		MW-11	MW-13S	MW-13D	MW-16S
		MW-16D	DPE-1	DPE-2	DPE-3
		DPE-4	DPE-5	DPE-6	DPE-7
		DPE-8	GWCT		
October 2020	18	MW-2	MW-3	MW-4*	MW-8R*
		MW-11	MW-13S*	MW-13D	MW-16S*
		MW-16D*	DPE-1	DPE-2	DPE-3
		DPE-4	DPE-5	DPE-6	DPE-7
		DPE-8	GWCT		
January 2021	18	MW-2	MW-3	MW-4	MW-8R
		MW-11	MW-13S	MW-13D	MW-16S
		MW-16D	DPE-1	DPE-2	DPE-3
		DPE-4	DPE-5	DPE-6	DPE-7
		DPE-8	GWCT		

Notes:
MW-## - Monitoring Well
MW-##S - Shallow Piezometer
MW-##D - Deep Piezometer
DPE-## - Dual Phase Extraction Well
GWCT - Groundwater Collection Trench
* - Locations to be included for MNA sampling

Table 2

Quarterly Groundwater Monitoring Water Level Data - January 6, 2020
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	688.62	7.39	681.23
MW-3	687.05	8.14	678.91
MW-4	686.50	8.57	677.93
MW-8R	686.29	6.81	679.48
MW-9	689.57	10.81	678.76
MW-11	688.61	11.59	677.02
Nested Piezometers			
MW-13S	686.65	10.21	676.44
MW-13D	686.78	7.69	679.09
MW-14S	685.74	4.42	681.32
MW-14D	685.88	9.44	676.44
MW-15S	687.17	0.04	687.13
MW-15D	687.87	10.79	677.08
MW-16S	688.15	5.51	682.64
MW-16D	688.16	10.29	677.87
Remedial System			
GWCT Manhole (rim)	687.22	19.66	667.56
DPE Wells			
DPE-1	687.17	2.26	684.91
DPE-2	685.32	9.65	675.67
DPE-3	685.98	2.15	683.83
DPE-4	686.00	2.52	683.48
DPE-5	686.91	5.17	681.74
DPE-6	687.53	0.03	687.50
DPE-7	685.92	8.47	677.45
DPE-8	686.03	1.38	684.65

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the collection manhole
Locations re-surveyed on February 23, 2016

Table 3

Summary of January 2020 Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	MW-2	MW-3	MW-4	MW-8R	MW-11	MW-13S	MW-13D	MW-16S	MW-16D
Date Collected	RAO/NYCRR	01/07/20	01/07/20	01/08/20	01/08/20	01/07/20	01/08/20	01/08/20	01/09/20	01/09/20
Lab Sample ID	Objective	480-165026-1	480-165026-4	480-165026-2	480-165026-3	480-165026-5	480-165026-6	480-165026-7	480-165026-8	480-165026-9
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1-Dichloroethane	5*	< 1.0 U	**9.3**	**3.1 J**	**9.9 J**	**0.54 J**	**4.4**	< 1.0 U	**550 J**	**1.4**
2-Butanone (MEK)	50	< 10 U	< 10 U	**64**	**18 J**	< 10 U	**5.1 J**	< 1.0 U	< 10,000 U	< 10 U
2-Hexanone	50	< 5.0 U	< 5.0 U	**10 J**	< 50 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5,000 U	< 5.0 U
Acetone	50	**3.3 J**	< 10 U	**57**	< 100 U	< 10 U	**5.7 J**	**20**	< 10,000 U	< 10 U
Carbon Disulfide	60	< 1.0 U	< 1.0 U	< 4.0 U	< 10 U	< 1.0 U	**0.21 J**	< 1.0 U	< 1,000 U	< 1.0 U
Chloroethane	5*	< 1.0 U	**1.1**	**59**	**22**	< 1.0 U	**13**	**2.5**	**1,700**	**86**
cis-1,2-Dichloroethene	5*	< 1.0 U	**2.0**	< 4.0 U	**110**	**1.3**	**19**	< 1.0 U	**30,000**	**4.0**
Toluene	5*	< 1.0 U	< 1.0 U	**5.6**	**22**	< 1.0 U	**0.62 J**	**0.95 J**	**670 J**	< 1.0 U
Trichloroethene	5*	< 1.0 U	< 1.0 U	< 4.0 U	< 10 U	< 1.0 U	**0.64 J**	< 1.0 U	< 1,000 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	**16**	**6.8**	**230**	**1.4**	**94**	< 1.0 U	**40,000**	**2.5**
Total Volatile Organic Compounds	NL	3.3	28.4	205.5	412	3.2	143	23.5	72,920	93.9

Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1
Date Collected	RAO/ NYCRR	04/17/14	04/06/16	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/19/17	01/10/18	07/22/19	10/14/19	01/06/20
Lab Sample ID	Objective	480-58303-1	480-97989-10	480-102662-9	480-108538-3	480-112334-10	480-116720-17	480-121042-17	480-126348-2	480-129995-14	480-156622-8	480-160839-8	480-165026-10
Volatile Organic Compounds by Method 8260 (µg/L)													
1,1,1-Trichloroethane	5*	10 U	20 U	10 U	5.0 U	20 U	**7.7**	1.0 U	1.0 U	1.0 U	10 U	20 U	20 U
1,1-Dichloroethane	5*	**69**	**130**	10 U	**21**	**20**	5.0 U	**2.8**	**2.4**	**67**	10 U	**78**	**94**
1,1-Dichloroethene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	**0.98 J**	10 U	20 U	20 U
1,2-Dichloroethane	0.6	10 U	20 U	10 U	**1.1 J**	20 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	20 U	20 U
2-Butanone (MEK)	50	**140**	200 U	100 U	**24 J**	200 U	50 U	**10**	**33 J**	**58**	100 U	200 U	**72 U**
2-Hexanone	50	50 U	100 U	50 U	25 U	100 U	25 U	5.0 U	5.0 U	**2.6 J**	50 U	100 U	100 U
Ethylbenzene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	**0.51 J**	**2.3**	10 U	20 U	20 U
Acetone	50	**310**	200 U	100 U	**64**	**65 J**	50 U	**36**	**84**	**160**	**36 J**	**83 J**	**200 J**
Benzene	1	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	**1.6**	10 U	20 U	20 U
Carbon Disulfide	60	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	**5.7**	**1.0**	10 U	20 U	20 U
Chloroethane	5*	**15**	20 U	10 U	**9.2**	**15 J**	**24**	**4.1**	**7.6**	**20**	10 U	20 U	**16 J**
Chloromethane	5	10 U	**18 J**	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	20 U	20 U
cis-1,2-Dichloroethene	5*	**71**	**130**	10 U	**25**	**16 J**	**12**	**2.4**	**5.3**	**58**	10 U	**73**	**90**
Methylene Chloride	5	10 U	20 U	10 U	**4.3 J**	20 U	5.0 U	1.0 U	5.0 U	1.0 U	10 U	**24**	20 U
Toluene	5*	**18**	**29**	10 U	**5.7**	20 U	**3.8 J**	**0.74 J**	**3.6**	**14**	10 U	**13 J**	**13 J**
trans-1,2-Dichloroethene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	**1.0**	10 U	20 U	20 U
Trichloroethene	5*	**23**	**18 J**	10 U	**4.7 J**	20 U	**1.3 J**	1.0 U	1.0 U	**10**	10 U	20 U	20 U
Vinyl chloride	5*	**15**	**31**	10 U	**6.8**	20 U	5.0 U	1.0 U	**1.1**	**15**	10 U	**20**	**25**
Xylenes, Total	5	20 U	40 U	20 U	10 U	40 U	10 U	2.0 U	2.0 U	**6.9**	20 U	40 U	40 U

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+® occurred in November 2014 and April/May 2015.

The injection of ABC-Ole® with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Date Collected	RAO/ NYCRR	04/17/14	04/06/16	07/06/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/01	01/06/20
Lab Sample ID	Objective	480-58303-6	480-97989-11	480-102662-8	480-112334-11	480-116720-18	480-121042-18	480-126420-7	480-129995-15	480-134234-2	480-138781-7	480-144170-18	480-147748-18	480-151560-7	480-156622-1	480-160839-9	480-165026-11
Volatile Organic Compounds by Method 8260 (µg/L)																	
1,1-Dichloroethane	5*	**4.4**	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.49 J**	1.0 U	**0.65 J**	2.0 U	2.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	50 U	50 U	50 U	**3.2 J**	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U
Acetone	50	50 U	50 U	50 U	10 U	50 U	**6.0 J**	**3.4 J**	10 U	10 U	10 U	**3.2 J**	10 U	20 U	20 U	10 U	10 U
Benzene	1	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.47 J**	2.0 U	2.0 U	1.0 U	1.0 U
Carbon Disulfide	60	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	**0.33 J**	1.0 U	1.0 U	1.0 U	1.0 U	**0.32 J**	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U
Chloroethane	5*	5.0 U	5.0 U	5.0 U	**2.5**	**3.5 J**	1.0 U	1.0 U	1.0 U	1.0 U	**2.7**	**3.5**	**11**	**16**	**13**	1.0 U	**0.58 J**
Chloromethane	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	**1.7**	**3.2 J**	**11**	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	**240**	5.0 U	5.0 U	1.0 U	**2.4 J**	1.0 U	1.0 U	1.0 U	1.0 U	**1.1**	**1.1**	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	**0.51 J**	5.0 U	1.0 U	1.0 U	**5.2**	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U
Trichloroethene	5*	**5.9**	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U
Vinyl chloride	5*	**54**	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	**0.85 J**	**1.7**	1.0 U	**9.9**	**4.2**	**11**	2.0 U	2.0 U	1.0 U	1.0 U

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+® occurred in November 2014 and April/May 2015

The injection of ABC-Ole® with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

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* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

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NS - Not sampled.

Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	04/06/16	07/07/16	10/27/16	01/16/17	04/18/17	07/11/17	10/24/17	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	10/14/19	01/06/20
Lab Sample ID	Objective	480-58303-2	480-84562-16	480-89674-15	480-97989-12	480-102824-3	480-108538-4	480-112334-12	480-116720-19	480-121042-19	480-126420-15	480-134234-2	480-138781-8	480-144170-19	480-147748-19	480-151560-8	480-160839-1	480-165026-12
Volatile Organic Compounds by Method 8260 (µg/L)																		
1,1,1-Trichloroethane	5*	**43**	10 U	20 U	5.0 U	10 U	5.0 U	20 U	**5.4**	20 U	20 U	25 U	10 U	**11**	100 U	20 U	10 U	10 U
1,1-Dichloroethane	5*	**42**	**24**	20 U	5.0 U	10 U	5.0 U	20 U	**14**	**92**	**34**	25 U	**15**	**88**	**180**	**18 J**	10 U	10 U
1,1-Dichloroethene	5	**26**	**3.1 J**	20 U	5.0 U	10 U	5.0 U	20 U	**20**	**53**	**11 J**	25 U	**3.5 J**	**38 J**	100 U	20 U	10 U	10 U
2-Butanone (MEK)	50	100 U	**610**	**220**	50 U	100 U	50 U	200 U	**10**	200 U	1,000 U	250 U	100 U	100 U	1,000 U	200 U	100 U	100 U
Acetone	50	50 U	**110**	**110 J**	50 U	100 U	50 U	200 U	**28**	200 U	500 U	250 U	100 U	**37 J**	1,000 U	200 U	**63 J**	100 U
Carbon Disulfide	60	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	**0.5 J**	20 U	20 U	25 U	10 U	10 U	100 U	20 U	10 U	10 U
Chloroethane	5*	10 U	**23**	20 U	5.0 U	10 U	5.0 U	20 U	**5.5**	20 U	**14 J**	25 U	10 U	10 U	100 U	20 U	**16**	**12**
cis-1,2-Dichloroethene	5*	**2,700**	**650**	**70**	**18**	**8.7 J**	5.0 U	20 U	**4,300**	**11,000**	**1,700**	**78**	**740**	**10,000**	**6,400**	**150**	**19**	10 U
Methylene Chloride	5	10 U	**6.1 J**	20 U	**7.5**	10 U	5.0 U	20 U	1.0 U	20 U	100 U	25 U	10 U	10 U	100 U	20 U	**10**	10 U
Toluene	5*	**8.0 J**	**8.4 J**	20 U	5.0 U	10 U	5.0 U	20 U	**4.1**	**12 J**	20 U	25 U	10 U	**40**	100 U	**15 J**	**5.3 J**	**5.3 J**
trans-1,2-Dichloroethene	5	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	**68**	**22**	**19 J**	25 U	10 U	**11**	100 U	20 U	10 U	10 U
Trichloroethene	5*	**6,500**	10 U	20 U	5.0 U	10 U	**3.1 J**	20 U	**190**	**69**	**430**	25 U	**31**	**120**	100 U	20 U	10 U	10 U
Vinyl chloride	5*	**120**	**240**	20 U	**12**	**43**	**10**	**45**	**480**	**10,000**	**430**	**35**	**360**	**2,700**	**9,100**	**430**	**29**	10 U

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+® occurred in November 2014 and April/May 2015

The injection of ABC-Ole® with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

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J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

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Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	07/06/16	10/27/16	01/16/17	04/18/17	10/23/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20
Lab Sample ID	Objective	480-58303-3	480-84562-17	480-89674-16	480-102662-10	480-108538-5	480-112334-13	480-116720-20	480-126420-8	480-12995-16	480-134234-4	480-138781-9	480-144170-20	480-147748-20	480-151560-9	480-156622-2	480-160839-2	480-165026-13
Volatile Organic Compounds by Method 8260 (µg/L)																		
1,1,1-Trichloroethane	5*	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	50 U	50 U	10 U	10 U	1.0 U	8.0 U	**1.2**	**3.0**	10 U	10 U
1,1-Dichloroethane	5*	**8.1**	**130**	**450**	400 U	**2.5**	100 U	**20**	**22 J**	50 U	10 U	**8.4 J**	1.0 U	8.0 U	**10**	**9.8**	**14**	**12**
1,1-Dichloroethene	5	10 U	**30**	**460**	400 U	1.0 U	100 U	**17 J**	**34 J**	50 U	10 U	**7.0 J**	1.0 U	8.0 U	1.0 U	**0.51 J**	10 U	10 U
1,2-Dichloroethane	0.6	10 U	**2.2 J**	100 U	400 U	1.0 U	100 U	20 U	50 U	50 U	10 U	10 U	**0.65 J**	**15**	1.0 U	1.0 U	10 U	10 U
2-Butanone (MEK)	50	50 U	**65 J**	1,000 U	4,000 U	10 U	1,000 U	200 U	2,500 U	500 U	100 U	100 U	10 U	80 U	**2.7 J**	**5.7 J**	100 U	100 U
Acetone	50	50 U	**46 J**	1,000 U	4,000 U	**6.9 J**	1,000 U	200 U	1,300 U	**190 J**	100 U	100 U	10 U	80 U	**5.9 J**	**16**	100 U	100 U
Carbon Disulfide	60	10 U	**3.4 J**	100 U	400 U	**2.1**	100 U	20 U	50 U	50 U	10 U	10 U	1.0 U	8.0 U	**0.96 J**	**0.36 J**	10 U	10 U
Chloroethane	5*	10 U	**49**	**110**	400 U	**4.6**	100 U	**8 J**	50 U	50 U	10 U	10 U	1.0 U	8.0 U	**2.5**	**2.6**	10 U	10 U
Chloromethane	5	10 U	10 U	**230**	400 U	1.0 U	100 U	20 U	50 U	50 U	10 U	10 U	1.0 U	8.0 U	1.0 U	1.0 U	10 U	10 U
cis-1,2-Dichloroethene	5*	**510**	**30,000**	**130,000**	**25,000**	**130**	**4,300**	**4,400**	**6,000**	**2,100**	**320**	**2,600**	**29**	**48**	**28**	**130**	**87**	**92**
Methylene Chloride	5	10 U	**8.1 J**	100 U	**260 J**	5.7 J	**81 J**	20 U	250 U	**320**	10 U	10 U	1.0 U	8.0 U	1.0 U	1.0 U	**12**	10 U
Toluene	5*	10 U	**28**	**140**	400 U	1.0 U	100 U	**7 J**	50 U	50 U	10 U	10 U	1.0 U	8.0 U	**1.8**	**0.84 J**	10 U	10 U
trans-1,2-Dichloroethene	5	10 U	**36**	100 U	400 U	1.0 U	100 U	**76**	50 U	50 U	10 U	10 U	1.0 U	8.0 U	**1.1**	**1.4**	10 U	10 U
Trichloroethene	5*	**630**	**93**	**120**	**400**	**1.4**	100 U	**120**	**13 J**	**47 J**	10 U	**34**	1.0 U	8.0 U	**1.9**	**18**	10 U	**6.2**
Vinyl chloride	5*	**31**	**4,700**	**37,000**	**12,000**	**44**	**1,100**	**1,400**	**3,700**	**430**	**62**	**810**	**18**	**500**	**20**	**79**	**34**	**39**

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+® occurred in November 2014 and April/May 2015

The injection of ABC-Ole® with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

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* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/19/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20
Lab Sample ID	Objective	480-58303-4	480-84562-18	480-89674-17	480-102662-13	480-108538-6	480-112334-14	480-116720-21	480-121042-21	480-126348-1	480-129995-17	480-134234-5	480-138781-10	480-144170-21	480-147748-20	480-151586-8	480-156622-3	480-160839-3	480-165026-14
Volatile Organic Compounds by Method 8260 (µg/L)																			
1,1-Dichloroethane	5*	**160**	**30**	**59**	**17**	**110**	**150**	**44**	**45**	**100**	**66**	**140**	**87**	50 U	**35**	**22**	**6.5**	10 U	10 U
1,1-Dichloroethene	5	**2.9 J**	10 U	10 U	10 U	10 U	**82**	20 U	8.0 U	1.0 U	10 U	**15 J**	50 U	50 U	10 U	10 U	1.0 U	10 U	10 U
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U	**9.3 J**	50 U	20 U	8.0 U	1.0 U	10 U	40 U	50 U	50 U	10 U	10 U	1.0 U	10 U	10 U
2-Butanone (MEK)	50	**26 J**	**330**	**660**	**78** J	100 U	500 U	200 U	80 U	**240**	**21 J**	400 U	500 U	500 U	**20 J**	**39 J**	**54**	100 U	100 U
2-Hexanone	50	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	5.0 U	50 U	200 U	250 U	250 U	50 U	50 U	**5.8**	50 U	50 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	**1.8 U**	10 U	40 U	50 U	50 U	10 U	10 U	**1.0**	10 U	10 U
Acetone	50	**120**	**240**	**340**	**120**	**180**	**160 J**	200 U	**200**	25 U	**90 J**	**120 J**	500 U	500 U	**40 J**	**91 J**	**160**	**32 J**	100 U
Benzene	1	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	**0.52 J**	10 J	40 J	50 U	50 U	10 J	10 J	**1.0**	10 U	10 U
Carbon Disulfide	60	10 U	10 U	10 U	10 U	10 U	50 U	20 U	**12**	**3.0**	**3.1 J**	40 J	50 U	50 U	**3.1 J**	10 U	**1.5**	10 U	10 U
Chloroethane	5*	**46**	**51**	**81**	**87**	**120**	**130**	**38**	**60**	**84**	**80**	**150**	**100**	50 U	**32**	**68**	**86**	**53**	**46**
cis-1,2-Dichloroethene	5*	**320**	**410**	**610**	**120**	**2,800**	**33,000**	**2,000**	290	**1,400**	**480**	**3,500**	**2,100**	**1,100**	**830**	**230**	**52**	10 U	10 U
Methylene Chloride	5	10 U	**4.5 J**	10 U	10 U	10 U	**26 J**	20 U	8.0 U	5.0 U	10 U	40 U	50 U	50 U	10 U	10 U	1.0 U	9.1 J	10 U
Toluene	5*	**30**	**11**	**9.2**	10 U	**12**	**37 J**	**7.8 J**	8.0 U	**5.7**	**9.6 J**	**20 J**	50 U	50 U	**6.4 J**	**6.6 J**	**5.5**	10 U	10 U
trans-1,2-Dichloroethene	5	10 U	**11**	**20**	10 U	10 U	10 U	**24**	8.0 U	**22**	10	40 U	50 U	50 U	10	10 U	**2.1**	10 U	10 U
Trichloroethene	5*	**160**	10 U	10 U	10 U	**14**	**250**	**5.5 J**	8.0 U	1.0 U	**6.7 J**	40 U	50 U	50 U	**8.5 J**	**6.2 J**	**4.9**	10 U	10 U
Vinyl chloride	5*	**71**	**180**	**170**	**71**	**1,600**	**6,400**	**570**	**190**	**1,600**	**250**	**2,200**	**1,700**	**660**	**410**	**39**	**53**	10 U	10 U
Xylenes, Total	5	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	**2.3 J**	20 U	80 U	100 U	100 U	20 U	20 U	**3.4**	20 U	20 U

Notes:

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Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6
Date Collected	RAO/ NYCRR	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20
Lab Sample ID	Objective	480-144170-4	480-147748-20	480-151586-4	480-156622-4	480-160839-4	480-165026-15
Volatile Organic Compounds by Method 8260 (µg/L)							
1,1-Dichloroethane	5*	**700**	**13**	**5.9**	**0.81 J**	1.0 U	1.0 U
1,1-Dichloroethene	5	**47 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	**380**	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	NL	**42 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50	**1,700**	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	60	20 U	1.0 U	1.0 U	**0.20 J**	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	**310**	**7.2**	**4.3**	**1.0**	1.0 U	1.0 U
Methylene Chloride	5	**12 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5*	**13 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	**17 J**	**1.3**	**1.1**	**0.51 J**	1.0 U	1.0 U
Vinyl chloride	5*	**180**	**3.3**	**1.0**	1.0 U	1.0 U	1.0 U

Notes:

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Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	07/07/16	10/27/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20
Lab Sample ID	Objective	480-58303-5	480-84562-19	480-89674-18	480-102824-4	480-108538-7	480-112334-15	480-116720-23	480-121042-22	480-126420-5	480-129995-18	480-134234-6	480-138781-11	480-144170-5	480-147748-5	480-151586-5	480-156622-5	480-160839-5	480-165026-16
Volatile Organic Compounds by Method 8260 (µg/L)																			
1,1-Dichloroethane	5*	**460**	**250**	**390**	**63**	20 U	**91**	**120**	**45**	**67**	10 U	**65**	**28**	10 U	2.0 U	**1.8 J**	**0.88 J**	40 U	40 U
1,1-Dichloroethene	5	**47 J**	**12 J**	20 U	20 U	20 U	20 U	**0.48 J**	20 U	1.0 U	10 U	20 U	10 U	10 U	2.0 U	2.0 U	2.0 U	40 U	40 U
1,2-Dichloroethane	0.6	10 U	20 U	20 U	20 U	20 U	20 U	**0.41 J**	20 U	1.0 U	10 U	20 U	10 U	10 U	**7.7**	2.0 U	2.0 U	40 U	40 U
2-Butanone (MEK)	50	50 U	**150 J**	**940**	**530**	**210**	**270**	**280**	**120 J**	**67**	100 U	**130 J**	**50 J**	**18 J**	**25**	**11 J**	**21**	400 U	400 U
2-Hexanone	50	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	50 U	100 U	50 U	50 U	**6.9 J**	10 U	**6.2 J**	200 U	200 U
Acetone	50	50 U	**1,100**	**530**	**230**	**130 J**	**140 J**	**150**	**130 J**	**30**	100 U	**81 J**	**37 J**	100 U	**23**	**17 J**	**38**	400 U	400 U
Benzene	1	10 U	20 U	20 U	20 U	20 U	20 U	**1.0**	20 U	**0.66 J**	10 U	20 U	10 U	10 U	2.0 U	2.0 U	2.0 U	40 U	40 U
Chloroethane	5*	**11**	**27**	**260**	**260**	**110**	**530**	**360**	**450**	**340**	**340**	**390**	**320**	**190**	**120**	**87**	**28**	40 U	**30**
cis-1,2-Dichloroethene	5*	**11,000**	**820**	**680**	**26**	**27**	20 U	**67**	20 U	**1.3**	**10**	20 U	10 U	10 U	**56**	**25**	**12**	40 U	40 U
Methylene Chloride	5	10 U	**11 J**	20 U	20 U	20 U	**12 J**	1.0 U	20 U	5.0 U	10 U	**25**	10 U	**5.8 J**	2.0 U	2.0 U	2.0 U	**66**	40 U
Toluene	5*	10 U	20 U	20 U	20 U	20 U	20 U	**5.8**	20 U	**2.0**	10 U	20 U	10 U	10 U	**2.8**	**2.2**	**1.7**	40 U	40 U
trans-1,2-Dichloroethene	5	10 U	20 U	20 U	20 U	20 U	20 U	**4.1 J**	20 U	**1.3**	10 U	20 U	10 U	10 U	2.0 U	2.0 U	2.0 U	40 U	40 U
Trichloroethene	5*	**1,300**	20 U	**12 J**	20 U	20 U	20 U	**0.93 J**	20 U	**0.46 J**	10 U	20 U	10 U	10 U	**5.1**	**2.5**	**2.2**	40 U	40 U
Vinyl chloride	5*	**580**	**470**	**780**	**300**	40 U	**50**	**270**	**110**	**25**	20 U	**59**	**130**	20 U	**23**	**4.0**	**3.8**	80 U	80 U

Notes:

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Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8
Date Collected	RAO/ NYCRR	07/24/15	10/21/15	07/07/16	10/27/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/09/19	07/22/19	10/14/19	01/06/20
Lab Sample ID	Objective	480-84562-20	480-89674-19	480-102824-5	480-108538-1	480-112334-16	480-116720-24	480-121042-20	480-126420-6	480-129995-19	480-134234-7	480-138781-3	480-144170-5	480-147748-7	480-151586-8	480-156622-5	480-160839-6	480-165026-17
Volatile Organic Compounds by Method 8260 (µg/L)																		
1,1,1-Trichloroethane	5*	**57**	**170**	**39**	**21**	**170**	**55**	100 U	**4.8**	20 U	**75**	**30**	20 U	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethane	5*	**140**	**590**	**58**	**22**	**130**	50 U	**310**	**4.4**	**50**	**71**	**28**	**330**	**240**	**160**	**54**	20 U	20 U
1,1-Dichloroethene	5	50 U	**20**	5.0 U	**4.0 J**	**27 J**	50 U	100 U	**1.6**	**8.2 J**	**6.5 J**	20 U	20 U	**54**	**9.1 J**	20 U	20 U	20 U
2-Butanone (MEK)	50	**540**	**260**	50 U	50 U	400 U	500 U	1,000 U	50 U	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	100 U
Acetone	50	**890**	**220**	50 U	50 U	400 U	500 U	1,000 U	25 U	200 U	200 U	200 U	200 U	200 U	200 U	**70 J**	200 U	200 U
Carbon Disulfide	60	50 U	**11**	5.0 U	5.0 U	40 U	50 U	**51 J**	1.0 U	20 U	20 U	20 U	**8.5 J**	20 U	20 U	20 U	20 U	20 U
Chloroethane	5*	50 U	**54**	**44**	**12**	40 U	50 U	100 U	**1.8**	**22**	**30**	20 U	**62**	20 U	**110**	**53**	20 U	**7.0 J**
cis-1,2-Dichloroethene	5*	**1,500**	**2,300**	5.0 U	**850**	**4,100**	**4,800**	**8,500**	**110**	**540**	**1,600**	**1,000**	**19,000**	**10,000**	**850**	**430**	20 U	20 U
Methylene Chloride	5	**23 J**	20 U	5.0 U	5.0 U	40 U	50 U	100 U	5.0 U	20 U	20 U	20 U	**11 J**	20 U	20 U	20 U	20 U	20 U
Toluene	5*	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U	20 U	**10 J**	**21**	**11 J**	20 U	20 U	20 U
trans-1,2-Dichloroethene	5	50 U	**55**	**8.1**	5.0 U	40 U	**57**	100 U	**0.99**	20 U	20 U	20 U	**34**	**27**	**24**	20 U	20 U	20 U
Trichloroethene	5*	**230**	**92**	**5.4**	**8.4**	**98**	**36 J**	100 U	**6.6**	**11 J**	**65 J**	**40**	20 U	**13 J**	20 U	20 U	20 U	20 U
Vinyl chloride	5*	**1,400**	**1,700**	**110**	**140**	**920**	**480**	**2,300**	1.0 U	**410**	**480**	**120**	**1,800**	**2,800**	**710**	**370**	40 U	40 U

Notes:

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Table 5

Summary of Groundwater Collection Trench Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole
Date Collected	RAO/ NYCRR	07/24/15	10/19/15	01/05/16	04/04/16	07/05/16	10/27/16	01/16/17
Lab Sample ID	Objective	480-84562-15	480-89674-20	480-93630-15	480-84562-15	480-102662-4	480-108538-2	480-112334-8
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane	5*	**1.3**	**0.7**	< 1.0 U	**0.4** J	< 1.0 U	< 1.0 U	< 1.0 U
2-Butanone (MEK)	50	**2.4** J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U
Acetone	50	**7.0** J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	< 1.0 U	< 1.0 U	**62**	**44**	**70**	**34**	**45**
cis-1,2-Dichloroethene	5*	**1.1**	< 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
Toluene	5*	< 1.0 U	< 1.0 U	**0.99** J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	12.8	0.7	63	44	70	34	45

Table 5

Summary of Groundwater Collection Trench Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole
Date Collected	RAO/ NYCRR	04/20/17	07/11/17	10/23/17	01/08/18	04/13/18	07/12/18	10/24/18
Lab Sample ID	Objective	480-116720-15	480-121042-15	480-126420-1	480-129995-13	480-134234-8	480-138781-4	480-144170-15
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane	5*	**0.74 J**	< 1.0 U	< 1.0 U	< 1.0 U	**0.52 J**	< 1.0 U	< 1.0 U
2-Butanone (MEK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	50	< 10 U	< 10 U	< 10 U	< 10 U	**10 J**	< 10 U	< 10 U
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	**26**	**65**	**45**	**64**	**53**	**49**	**38**
cis-1,2-Dichloroethene	5*	**0.74 J**	< 1.0 U	< 1.0 U	**5.1**	< 1.0 U	< 1.0 U	< 1.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	**0.19 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	**0.25 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	**0.34 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	**0.67 J**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	27	65	45	69	64	49	38

Table 5

Summary of Groundwater Collection Trench Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	GWCT Manhole		GWCT Manhole		GWCT Manhole		GWCT Manhole		GWCT Manhole	
Date Collected	RAO/ NYCRR	01/09/19		04/08/19		07/23/19		10/14/19		01/06/20	
Lab Sample ID	Objective	480-147748-15		480-151586-12		480-156622-7		480-160839-7			
Volatile Organic Compounds by Method 8260 (µg/L)											
1,1-Dichloroethane	5*	**0.38**	**J**	**0.48**	**J**	< 1.0	U	< 1.0	U	**0.45**	**J**
2-Butanone (MEK)	50	< 10	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U
Acetone	50	< 10	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U
Carbon disulfide	1	< 1.0	U	**0.20**	**J**	< 1.0	U	< 1.0	U	< 1.0	U
Chloroethane	5*	**28**		**48**		**48**		**28**		**34**	
cis-1,2-Dichloroethene	5*	**0.93**	**J**	**1.20**		< 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
Toluene	5*	**0.80**	**J**	**0.60**	**J**	< 1.0	U	< 1.0	U	< 1.0	U
trans-1,2-Dichloroethene	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Vinyl chloride	5*	< 1.0	U	**1.4**		< 1.0	U	< 1.0	U	< 1.0	U
Xylenes, Total	5*	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Total Volatile Organic Compounds	NA	30		52		48		28		34	

Notes:
Bold font indicates the analyte was detected.
Bold font and bold outline indicates the screening criteria was exceeded.
* Site-specific RAO per ROD (November 1994)
J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.
U - Not detected at or above reporting limit.
NA - Not applicable

Table 6

Summary of Trichloroethene Concentrations Following November 2014 Injection Pilot Study - January 2020
Former Scott Aviation Facility - West of Plant 2 Site
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Well ID	Jan 2015[1]	Apr 2015	Jul 2015	Oct 2015	Jan 2016	Apr 2016	Jul 2016	Oct 2016	Jan 2017	Apr 2017	Jul 2017	Oct 2017	Jan 2018	Apr 2018	Jul 2018	Oct 2018	Jan 2019	April 2019	July 2019	Oct 2019	Jan 2020	TCE Reduction - Previous Sampling	TCE Reduction - Baseline Sampling
MW-2	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	ND	ND
MW-3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-4	18,000	110	<100	<100	<100	<100	<20	<20	<20	<5	<20	<20	<5	<20	<5	<20	5.2	2.1	2.6	<4	<4	ND	ND
MW-6[2]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
MW-8R	2,100	<2,000	200	<25	<1,000	<1,000	24	<100	<100	14	<400	7.7	NS	13	<10	<10	9.9	<40	<8	<10	<10	ND	ND
MW-10[2]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	NS	NS	NS	NS	NS	NA	NA
MW- 11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<4	<1	<1	<1	<1	<1	ND	ND
MW-12[2]	NS	<1	<1	<1	<1	<5	<5	<1	<4	<1	<1	<1	<1	<4	<5	NS	NS	NS	NS	NS	NS	NA	NA
MW-13S	19,000	31,000	<500	<10	41	<100	<4	<2	2.1	0.26	<2	<5	<40	<40	<40	<40	<40	0.7	NS	NS	0.64	8.6%	99.99%
MW-16S	160,000	26,000	5,100	<4,000	<4,000	<4,000	<2,000	<500	<500	86	<1,000	<500	<1,000	<1,000	<1,000	<1,000	550	<1,000	<2,500	<1,000	<1,000	ND	ND

Notes:
(1) New baseline established following November 2014 injection pilot study.
(2) Well was decommissioned.
The injection of ABC+® occurred in November 2014 and April/May 2015.
The injection of ABC-Ole® with ZVI occurred in November 2018.
ND - Not Detected
NA - Not Available
NS - Not Sampled

Table 7

Vapor Monitoring Results - January 2020
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	LRP Effluent 1Q20 Not Sampled	AS Effluent 1Q20 1/9/2020
VOCs by Method TO-15 (µg/m^3)		
1,2-Dichloroethene, Total	NA	7.1
n-Hexane	NA	0.98
Toluene	NA	1.1
Total Detected VOCs (µg/m^3)	NA	9.2
Vacuum (inches Hg)	NA	3.0
Air Flow Rate (acfm)	NA	335
VOC discharge loading (lb/hr)	NA	0.00001
Total VOC discharge loading (lb/hr)	**0.00001**	

Notes:

1. µg/m^3 = micrograms per cubic meter
2. acfm = actual cubic feet per minute
3. Hg = Mercury
4. lb/hr = pounds per hour
5. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump; LRP is off line due to November 2018 injection program.
6. AS Effluent represents the vapor discharge from the Air Stripper.

Appendix A

January 2020 Field Forms

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/7/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-2
X Upgradient ____ Downgradient
Weather Conditions: Cloudy
Air Temperature: 36 ° F
Total Depth (TWD) Below Top of Casing = 16 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.42 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 8.58 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 1.4 gal
3 Casing Volumes = 4.2 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3.0 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 688.62 1/100 ft
Height of Riser (above land surface): 3.32 1/100 ft
Land Surface Elevation: 685.3 1/100 ft
Screened Interval (below land surface): 7-17 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	275	275	275	275	275	275	275	275
Time (Military)	13:02	13:07	13:12	13:17	13:22	13:27	13:32	13:37
Depth to Groundwater Below Top of Casing (ft)	8.21	9.95	10.36	10.78	11.07	11.41	11.90	12.35
Drawdown (ft)	0.79	1.74	0.41	0.42	0.29	0.34	0.49	0.45
pH (S.U.)	6.86	6.87	6.83	6.77	6.71	6.64	6.61	6.60
Sp. Cond. (uS/cm)	0.825	0.814	0.808	0.799	0.795	0.814	0.860	0.866
Turbidity (NTUs)	95.4	91.6	88.7	58.8	38.6	29.7	19.9	12.5
Dissolved Oxygen (mg/L)	3.70	5.89	3.75	4.37	4.29	3.89	4.08	4.12
Water Temperature (°C)	9.99	10.42	10.28	10.08	9.95	10.02	9.97	10.04
ORP (mV)	-3.3	-10.8	-11.7	-8.8	-11.2	-20.5	-21.5	-26.1

Physical appearance at start: Color Clear; Odor slight; Sheen/Free Product None

Physical appearance at sampling: Color Clear; Odor None; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 12:59
Began sampling at 13:37

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/7/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-3
Upgradient: ___ X Downgradient
Weather Conditions: Overcast
Air Temperature: 35 ° F
Total Depth (TWD) Below Top of Casing = 28 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8.34 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 19.66 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.2 gal
3 Casing Volumes = 9.0 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 2.0 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 687.05 1/100 ft
Height of Riser (above land surface): 1.15 1/100 ft
Land Surface Elevation: 685.9 1/100 ft
Screened Interval (below land surface): 7.5 - 27.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	200	
Time (Military)	15:18	15:23	15:28	15:33	15:38	15:43	15:48	
Depth to Groundwater Below Top of Casing (ft)	9.27	11.29	12.72	13.25	13.70	13.91	14.05	
Drawdown (ft)	0.93	2.02	1.43	0.53	0.45	0.21	0.14	
pH (S.U.)	7.24	7.14	7.11	7.07	7.06	7.03	7.01	
Sp. Cond. (uS/cm)	1.285	1.217	1.207	1.210	1.211	1.215	1.218	
Turbidity (NTUs)	28.3	15.9	24.6	18.7	15.2	12.1	10.5	
Dissolved Oxygen (mg/L)	26.92	11.63	10.17	9.44	7.53	7.91	7.57	
Water Temperature (°C)	9.58	10.49	10.47	10.41	10.38	10.22	10.21	
ORP (mV)	-13.6	-27.0	-26.2	-23.3	-21.1	-15.3	-14.6	

Physical appearance at start: Color Clear; Odor None; Sheen/Free Product None

Physical appearance at sampling: Color Clear; Odor None; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 15:16
Began sampling at 15:48

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/8/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-4
Upgradient / X / Downgradient
Weather Conditions: Cloudy
Air Temperature: 28 ° F
Total Depth (TWD) Below Top of Casing = 26 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.53 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 18.47 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.01 gal
3 Casing Volumes = 9.0 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 1.8 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 686.5 1/100 ft
Height of Riser (above land surface): -0.39 1/100 ft
Land Surface Elevation: 686.89 1/100 ft
Screened Interval (below land surface): 15.5 - 25.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150	150	150	150
Time (Military)	9:45	9:50	9:55	10:00	10:05	10:10	10:15	10:20
Depth to Groundwater Below Top of Casing (ft)	9.01	10.03	10.71	12.15	13.64	14.98	15.91	16.64
Drawdown (ft)	1.48	1.02	0.68	1.44	1.49	1.34	0.93	0.73
pH (S.U.)	7.24	7.39	7.32	7.35	7.37	7.38	7.38	7.36
Sp. Cond. (uS/cm)	3.516	3.557	3.522	3.554	3.570	3.560	3.563	3.566
Turbidity (NTUs)	22.1	20.2	22.0	20.3	20.0	24.8	24.4	24.2
Dissolved Oxygen (mg/L)	10.40	1.87	3.55	1.78	1.26	1.22	1.15	1.18
Water Temperature (°C)	9.20	9.33	8.75	9.48	9.18	8.85	8.47	7.83
ORP (mV)	-120.5	-148.8	-141.5	-145.5	-133.0	-148.3	-148	-151.9

Physical appearance at start — Color: Clear; Odor: Slight; Sheen/Free Product: None

Physical appearance at sampling — Color: Clear; Odor: Slight; Sheen/Free Product: None

COMMENTS/OBSERVATIONS: Began purge at 9:43

Began sampling at 10:25

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/8/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-4
Upgradient: X Downgradient
Weather Conditions: Cloudy
Air Temperature: 28 ° F
Total Depth (TWD) Below Top of Casing = 26 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.53 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 18.47 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.01 gal
3 Casing Volumes = 9.0 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 1.8 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 686.5 1/100 ft
Height of Riser (above land surface): -0.39 1/100 ft
Land Surface Elevation: 686.89 1/100 ft
Screened Interval (below land surface): 15.5 - 25.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150							
Time (Military)	10:25							
Depth to Groundwater Below Top of Casing (ft)	16.98							
Drawdown (ft)	0.34							
pH (S.U.)	7.35							
Sp. Cond. (uS/cm)	3.566							
Turbidity (NTUs)	25.0							
Dissolved Oxygen (mg/L)	1.19							
Water Temperature (°C)	7.74							
ORP (mV)	-146.7							

Physical appearance at start: Color Clear; Odor Slight; Sheen/Free Product None

Physical appearance at sampling: Color Clear; Odor Slight; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 9:43

Began sampling at 10:25

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/8/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-8R
Upgradient: X Downgradient
Weather Conditions: Cloudy
Air Temperature: 26 ° F
Total Depth (TWD) Below Top of Casing = 27.2 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.01 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 20.19 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.3 gal
3 Casing Volumes = 9.9 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3.5 gal

Casing Diameter: 4 inches
Casing Material: PVC
Measuring Point Elevation: 686.29 1/100 ft
Height of Riser (above land surface): -0.29 1/100 ft
Land Surface Elevation: 686.58 1/100 ft
Screened Interval (below land surface): 14 - 24 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	350	350	350	350	350	350	350	350
Time (Military)	14:02	14:07	14:12	14:17	14:22	14:27	14:32	14:37
Depth to Groundwater Below Top of Casing (ft)	7.51	8.86	9.81	10.87	12.00	13.44	14.29	14.41
Drawdown (ft)	0.50	1.35	0.95	1.06	1.13	1.44	0.85	0.12
pH (S.U.)	7.31	7.51	7.57	7.58	7.56	7.54	7.52	7.49
Sp. Cond. (uS/cm)	3.834	3.867	3.860	3.863	3.852	3.850	3.839	3.813
Turbidity (NTUs)	-10.0	49.7	38.7	30.2	720 AU	29.7	830 AU	722 AU
Dissolved Oxygen (g/L)	4.49	2.73	1.77	1.90	1.45	0.69	0.59	0.57
Water Temperature (°C)	8.51	8.69	8.82	8.69	8.86	9.14	9.38	9.14
ORP (mV)	-148.0	-186.5	-200.5	-200.6	-206.3	-208.4	-208.6	-207.6

Physical appearance at start: Color Dark Gray/ Black; Odor Slight; Sheen/Free Product None

Physical appearance at sampling: Color Dark Gray/ Black; Odor Slight; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 14:00
Began sampling at 14:57

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/8/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-8R
Upgradient: ___ X Downgradient
Weather Conditions: Cloudy
Air Temperature: 26 ° F
Total Depth (TWD) Below Top of Casing = 27.2 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.01 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 20.19 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.3 gal
3 Casing Volumes = 9.9 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3.5 gal

Casing Diameter: 4 inches
Casing Material: PVC
Measuring Point Elevation: 686.29 1/100 ft
Height of Riser (above land surface): -0.29 1/100 ft
Land Surface Elevation: 686.58 1/100 ft
Screened Interval (below land surface): 14 - 24 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	350	350	350	350				
Time (Military)	14:42	14:47	14:52	14:57				
Depth to Groundwater Below Top of Casing (ft)	15.02	15.41	18.69	19.05				
Drawdown (ft)	0.61	0.39	3.28	0.36				
pH (S.U.)	7.45	7.39	7.27	7.26				
Sp. Cond. (uS/cm)	3.798	3.775	3.732	3.727				
Turbidity (NTUs)	722 AU	704 AU	708 AU	702 AU				
Dissolved Oxygen (g/L)	0.56	0.53	0.53	0.55				
Water Temperature (°C)	8.62	8.59	8.84	8.97				
ORP (mV)	-194.6	-188.5	-177.4	-177.4				

Physical appearance at start: Color Dark Gray/ Black; Odor Slight; Sheen/Free Product None

Physical appearance at sampling: Color Dark Gray/ Black; Odor Slight; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 14:00 (WL indicator fouled up by residue in well. Inaccurate readings up to 14:47)
Began sampling at 14:57

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/7/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-11
X Upgradient ____ Downgradient
Weather Conditions: Cloudy
Air Temperature: 36
Total Depth (TWD) Below Top of Casing = 28.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.65 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 18.85 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.1 gal
3 Casing Volumes = 9 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3.0 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 688.61 1/100 ft
Height of Riser (above land surface): -0.26 1/100 ft
Land Surface Elevation: 688.87 1/100 ft
Screened Interval (below land surface): 8.5 - 28.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	Dup

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	250	250	250	250	250
Time (Military)	14:00	14:05	14:10	14:15	14:20	14:25	14:30	14:35
Depth to Groundwater Below Top of Casing (ft)	9.91	10.13	10.45	10.61	10.79	10.98	11.17	11.27
Drawdown (ft)	0.26	0.22	0.32	0.16	0.18	0.19	0.19	0.10
pH (S.U.)	6.44	6.58	6.59	6.59	6.59	6.59	6.59	6.60
Sp. Cond. (uS/cm)	4.514	4.694	4.777	4.790	4.813	4.841	4.83	4.825
Turbidity (NTUs)	9.88	7.47	6.19	5.81	4.51	4.82	3.22	2.68
Dissolved Oxygen (mg/L)	6.22	4.11	4.13	3.94	2.22	2.08	1.45	1.43
Water Temperature (°C)	10.42	10.88	11.25	11.44	11.57	11.52	11.58	11.66
ORP (mV)	22.1	5.0	-1.0	-6.3	-10.9	-15.0	-17.1	-19.2

Physical appearance at start: Color Clear; Odor None; Sheen/Free Product None
Physical appearance at sampling: Color Clear; Odor None; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 13:57 Incresed flow rate after 14:10.
Began sampling at 14:40 , Duplicate taken at this well at 14:45

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/7/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-11
X Upgradient ____ Downgradient
Weather Conditions: Cloudy
Air Temperature: 36
Total Depth (TWD) Below Top of Casing = 28.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.65 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 18.85 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.1 gal
3 Casing Volumes = 9 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3.0 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 688.61 1/100 ft
Height of Riser (above land surface): -0.26 1/100 ft
Land Surface Elevation: 688.87 1/100 ft
Screened Interval (below land surface): 8.5 - 28.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	Dup

FIELD ANALYSES

Flow Rate (ml/min)	250							
Time (Military)	14:40							
Depth to Groundwater Below Top of Casing (ft)	11.49							
Drawdown (ft)	0.22							
pH (S.U.)	6.60							
Sp. Cond. (uS/cm)	4.799							
Turbidity (NTUs)	2.23							
Dissolved Oxygen (mg/L)	1.41							
Water Temperature (°C)	11.75							
ORP (mV)	-21.9							

Physical appearance at start: Color Clear; Odor None; Sheen/Free Product None

Physical appearance at sampling: Color Clear; Odor None; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 13:57 Incresed flow rate after 14:10.
Began sampling at 14:40 , Duplicate taken at this well at 14:45

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/7/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-13S
Upgradient: ____ X Downgradient
Weather Conditions: Overcast
Air Temperature: 34 ° F
Total Depth (TWD) Below Top of Casing = 16 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 10 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 6 1/100 ft
1 Casing Volume (OCV) = LWC x 0.041 = 0 gal
3 Casing Volumes = 0.74 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 0.75 gal

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 685.74 1/100 ft
Height of Riser (above land surface): -0.50 1/100 ft
Land Surface Elevation: 686.24 1/100 ft
Screened Interval (below land surface): 8.5-16.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	120	120	120	120	120	NA		
Time (Military)	12:20	12:25	12:30	12:35	12:40	11:05		
Depth to Groundwater Below Top of Casing (ft)	10.52	11.41	12.59	13.62	15.31	10.46		
Drawdown (ft)	5.48	0.89	1.18	1.03	1.69	NA		
pH (S.U.)	6.86	6.98	6.97	7.03	7.14	7.34		
Sp. Cond. (mS/cm)	1.895	1.870	1.843	1.807	1.779	1.800		
Turbidity (NTUs)	1276 AU	711 AU	127 AU	120	148.00	50.10		
Dissolved Oxygen (mg/L)	3.73	2.15	1.83	1.65	1.17	1.91		
Water Temperature (°C)	9.76	9.79	10.02	10.05	9.89	8.20		
ORP (mV)	-114.2	-124.5	-117.3	-124.7	-149.2	-176.5		

Physical appearance at start: Color: Light brown; Odor: Yes
Sheen/Free Product: ____

Physical appearance at sampling: Color: ____; Odor: ____
Sheen/Free Product: ____

COMMENTS/OBSERVATIONS: Began purge at 12:16. Dry at 12:41. About 0.75 gallons pumped which is 3 well volumes. Ready for grab sample. Returned on 1/8/20. WL: 10.46. Sampled well at 10:50. Took readings after sample.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/8/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-13D
Upgradient: ____ X Downgradient
Weather Conditions: Mostly cloudy
Air Temperature: 28 ° F
Total Depth (TWD) Below Top of Casing = 23.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.71 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 15.79 1/100 ft
1 Casing Volume (OCV) = LWC x 0.041 = 0.6 gal
3 Casing Volumes = 1.9 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 0.75 gal

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 685.88 1/100 ft
Height of Riser (above land surface): -0.36 1/100 ft
Land Surface Elevation: 686.24 1/100 ft
Screened Interval (below land surface): 19.5-23.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	11:30	11:35	11:40	11:45	11:50	11:55		
Depth to Groundwater Below Top of Casing (ft)	9.95	11.82	13.83	14.75	16.05	16.59		
Drawdown (ft)	2.24	1.87	2.01	0.92	1.30	0.54		
pH (S.U.)	6.69	6.69	6.71	6.70	6.69	6.70		
Sp. Cond. (mS/cm)	2.297	2.318	2.299	2.291	2.291	2.296		
Turbidity (NTUs)	20.5	11.1	11.9	6.1	22.6	21.8		
Dissolved Oxygen (mg/L)	8.96	3.73	2.11	1.48	1.36	1.38		
Water Temperature (°C)	7.67	8.03	7.93	7.51	7.70	7.76		
ORP (mV)	-79.8	-80.4	-83.6	-82.2	-82.0	-83.1		

Physical appearance at start: Color ____ Odor ____
Sheen/Free Product: None

Physical appearance at sampling: Color ____ Odor ____
Sheen/Free Product: None

COMMENTS/OBSERVATIONS: Began purge at 11:20
Began sampling at 11:55

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/7/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-16S
Upgradient: ____ X Downgradient
Weather Conditions: Overcast
Air Temperature: 34 ° F
Total Depth (TWD) Below Top of Casing = 15.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 5.51 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 9.99 1/100 ft
1 Casing Volume (OCV) = LWC x 0.041 = 0.4 gal
3 Casing Volumes = 1.2 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: ____ gal

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 688.15 1/100 ft
Height of Riser (above land surface): 2.46 1/100 ft
Land Surface Elevation: 685.69 1/100 ft
Screened Interval (below land surface): 12 - 18 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	NA	150	150	NA		
Time (Military)	12:00	12:05	16:03	13:41	13:46	11:55		
Depth to Groundwater Below Top of Casing (ft)	8.87	14.65	12.91	11.69	15.01	9.85		
Drawdown (ft)	6.63	5.78	NA	4.07	3.32	2.20		
pH (S.U.)	5.02	5.47	6.58	6.80	6.72	6.76		
Sp. Cond. (uS/cm)	3.413	3.390	3.550	3.728	3.683	3.732		
Turbidity (NTUs)	7.48	10.33	11.10	39.20	43.7	35.1		
Dissolved Oxygen (mg/L)	3.23	1.64	2.40	8.52	1.34	2.32		
Water Temperature (°C)	9.29	8.90	9.39	8.96	8.67	6.93		
ORP (mV)	-30.1	-17.3	-76.7	-92.2	-97.4	-83.4		

Physical appearance at start: Color Clear; Odor Slight; Sheen/Free Product None

Physical appearance at sampling: Color Clear; Odor Slight; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 11:58, dry at 12:06 with about 0.25 gallons purged. Returned at 12:42, WL at 14:02, will wait to purge. Returned at 16:00, WL at 12.91. Will purge for second time. Dry at 16:04. Return on 1/8/20, WL at 7.62. Dry at 13:46. Return on 1/9/20 to sample. WL at 7.65. Sample at 11:45

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/9/2020
Field Personnel: S. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-16D
Upgradient: X Downgradient
Weather Conditions: Cloudy
Air Temperature: 16 ° F
Total Depth (TWD) Below Top of Casing = 24 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 10.39 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 13.61 1/100 ft
1 Casing Volume (OCV) = LWC x 0.041 = 0.6 gal
3 Casing Volumes = 1.7 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 1.00 gal

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 688.16 1/100 ft
Height of Riser (above land surface): 2.47 1/100 ft
Land Surface Elevation: 685.69 1/100 ft
Screened Interval (below land surface): 20-24 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100	100	
Time (Military)	12:07	12:12	12:17	12:22	12:27	12:32	12:37	
Depth to Groundwater Below Top of Casing (ft)	12.49	14.81	16.09	16.79	17.15	17.40	17.65	
Drawdown (ft)	2.10	2.32	1.28	0.70	0.36	0.25	0.25	
pH (S.U.)	7.08	7.33	7.39	7.44	7.47	7.48	7.48	
Sp. Cond. (uS/cm)	1.125	1.099	1.091	1.087	1.093	1.098	1.101	
Turbidity (NTUs)	10.87	6.33	6.61	7.32	6.54	5.20	6.04	
Dissolved Oxygen (g/L)	4.50	1.38	1.06	1.17	0.90	0.82	0.84	
Water Temperature (°C)	8.67	9.22	9.10	9.11	8.93	8.92	8.92	
ORP (mV)	-77.2	-90.3	-103.2	-111.1	-117.5	-123.0	-123.1	

Physical appearance at start: Color Clear; Odor Slight; Sheen/Free Product None

Physical appearance at sampling: Color Clear; Odor Slight; Sheen/Free Product None

COMMENTS/OBSERVATIONS: Began purge at 12:02.
Began sampling at12:37

Appendix B

Current and Historical Summary of Groundwater Elevations

MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	7.29	683.06
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	5.92	684.43
4/14/2005	6.50	683.85
7/20/2005	7.77	682.58
10/4/2005	6.08	684.27
1/5/2006	9.56	680.79
4/11/2006	6.65	683.70
7/10/2006	7.79	682.56
10/18/2006	6.11	684.24
1/9/2007	6.27	684.08
2/28/2007	5.20	685.15
4/16/2007	5.99	684.36
7/2/2007	7.22	683.13
10/15/2007	8.15	682.20
1/8/2008	5.73	684.62
4/2/2008	5.95	684.40
7/1/2008	4.90	685.45
9/30/2008	7.40	682.95
1/19/2009	6.75	683.60
4/14/2009	6.15	684.20
7/21/2009	6.25	684.10
10/14/2009	5.85	684.50
1/18/2010	7.00	683.35
4/8/2010	5.45	684.90
7/12/2010	6.10	684.25
10/11/2010	7.00	683.35
1/11/2011	6.80	683.55
4/4/2011	5.70	684.65
7/25/2011	4.75	685.60
10/3/2011	4.13	686.22
1/12/2012	6.40	683.95
4/2/2012	6.00	684.35
7/5/2012	6.47	683.88
10/11/2012	7.17	683.18
1/21/2013	6.72	683.63
4/1/2013	6.10	684.25
7/1/2013	6.84	683.51
10/9/2013	6.70	683.65
1/21/2014	6.00	684.35
4/7/2014	4.95	685.40
7/16/2014	6.72	683.63
10/14/2014	6.79	683.56
1/20/2015	7.12	683.23
4/6/2015	5.74	684.61
7/22/2015	6.19	684.16
10/19/2015	5.79	684.56
1/5/2016	6.41	683.94
4/4/2016	5.68	681.42
7/5/2016	5.56	683.12
10/24/2016	5.56	683.12
1/16/2017	6.21	682.47
4/18/2017	6.06	682.47
7/11/2017	6.92	681.76
10/23/2017	6.59	682.09
1/8/2018	6.61	680.39
4/11/2018	5.12	681.88
7/12/2018	6.71	680.29
10/19/2018	6.44	680.56
1/9/2019	5.65	681.35
4/8/2019	5.28	681.72
7/22/2019	6.30	680.70
10/14/2019	7.56	679.44
1/6/2020	7.39	679.61

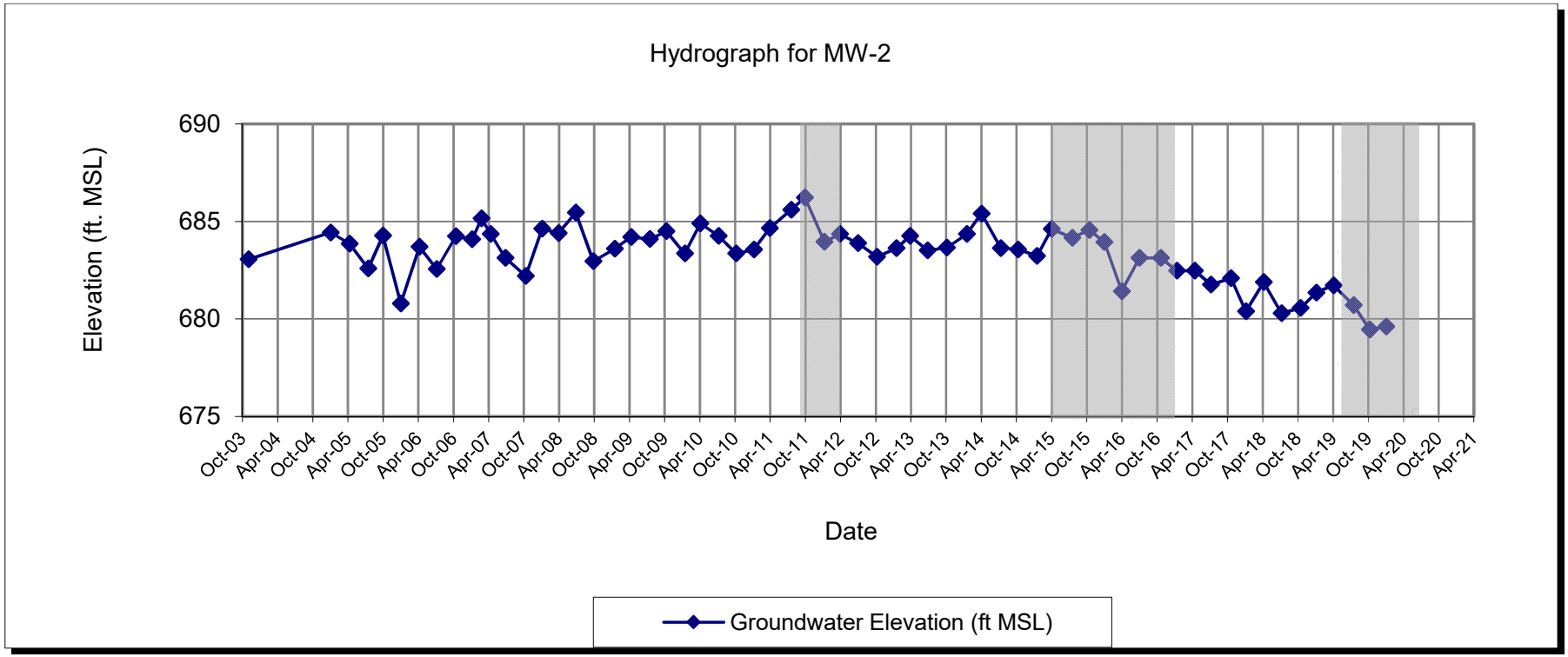
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 690.35
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured June 13, 2008 at 687.1.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-2

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	12.76	674.96
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	11.65	676.07
4/14/2005	12.64	675.08
7/20/2005	12.73	674.99
10/4/2005	7.38	680.34
1/5/2006	11.31	676.41
4/11/2006	11.84	675.88
7/10/2006	12.31	675.41
10/18/2006	10.82	676.9
1/9/2007	10.99	676.73
2/28/2007	3.99	683.73
4/16/2007	11.87	675.85
7/2/2007	13.35	674.37
10/17/2007	13.1	674.62
1/8/2008	7.61	680.11
4/2/2008	11.71	676.01
7/1/2008	10.75	676.27
9/30/2008	11.95	675.07
1/19/2009	10.94	676.08
4/14/2009	10.94	676.08
7/21/2009	11.51	675.51
10/14/2009	10.75	676.27
1/18/2010	12.38	674.64
4/8/2010	11.02	676.00
7/12/2010	9.18	677.84
10/11/2010	10.9	676.12
1/12/2011	11.3	675.72
4/4/2011	10.7	676.32
7/25/2011	4.38	682.64
10/3/2011	3.14	683.88
1/12/2012	10.65	676.37
4/2/2012	9.81	677.21
7/5/2012	8.56	678.46
10/11/2012	9.77	677.25
1/21/2013	11.15	675.87
4/1/2013	8.56	678.46
7/1/2013	11.85	675.17
10/9/2013	10.43	676.59
1/21/2014	10.45	676.57
4/7/2014	11.77	675.25
7/16/2014	10.29	676.73
10/14/2014	9.65	677.37
1/20/2015	10.15	676.87
4/6/2015	8.94	678.08
7/22/2015	7.98	679.04
10/19/2015	5.15	681.87
1/5/2016	9.01	678.01
4/4/2016	8.00	679.05
7/5/2016	5.86	681.19
10/24/2016	5.86	681.19
1/16/2017	10.58	676.47
4/18/2017	12.29	674.76
7/11/2017	12.65	674.40
10/23/2017	11.80	675.25
1/8/2018	10.12	676.93
4/11/2018	9.58	677.47
7/12/2018	10.98	676.07
10/19/2018	13.40	673.65
1/9/2019	12.32	674.73
4/8/2019	10.09	676.96
7/22/2019	9.24	677.81
10/14/2019	8.61	678.44
1/6/2020	8.14	678.91

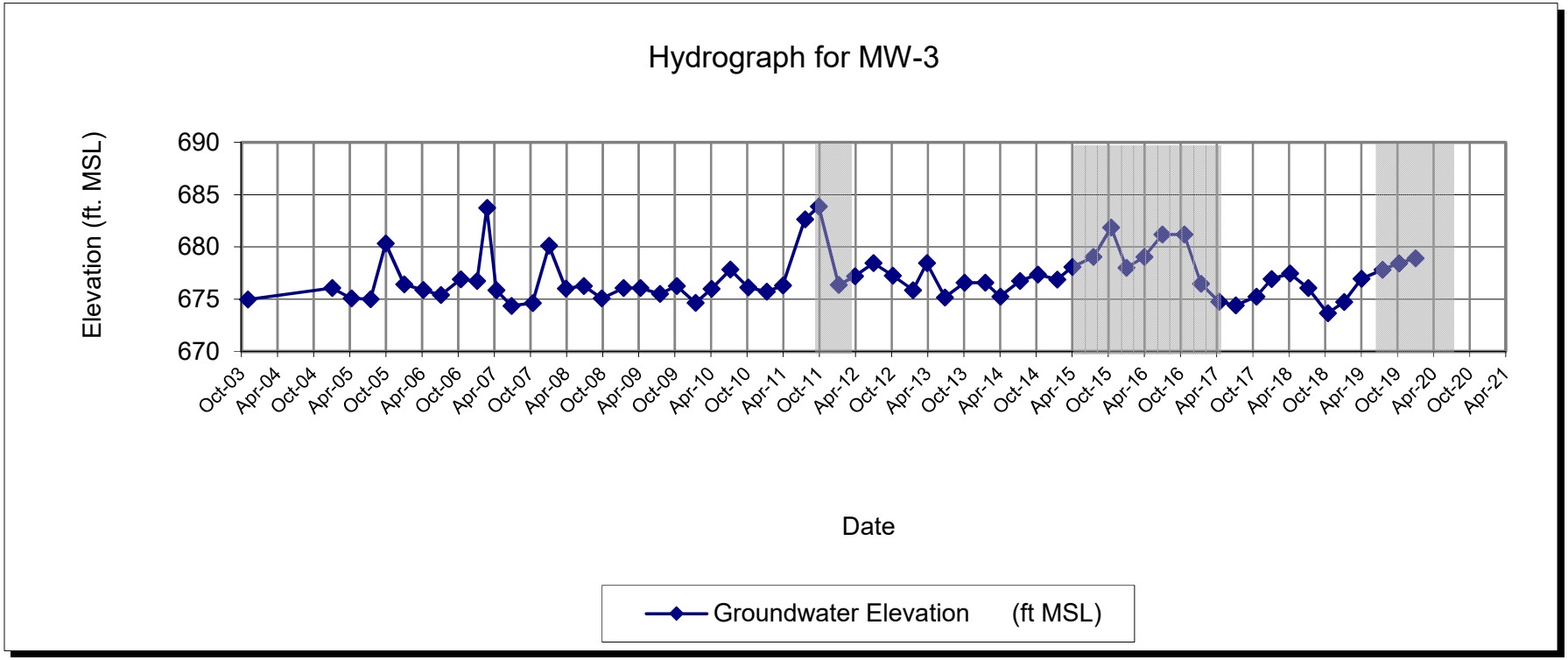
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.72
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured June 13, 2008 at 687.02
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-3

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	8.54	678.10
4/8/2004	NM	NA
10/12/2004	11.40	675.24
1/6/2005	9.20	677.44
4/14/2005	NM	NA
7/20/2005	NM	NA
10/4/2005	15.24	671.40
1/5/2006	15.71	670.93
4/11/2006	18.56	668.08
7/10/2006	15.02	671.62
10/18/2006	15.21	671.43
1/9/2007	14.00	672.64
2/28/2007	2.54	684.10
4/16/2007	12.45	674.19
7/2/2007	14.89	671.75
10/17/2007	12.91	673.73
1/8/2008	5.59	681.05
4/2/2008	9.31	677.33
7/1/2008	13.91	672.51
9/30/2008	13.55	672.87
1/19/2009	10.78	675.64
4/14/2009	8.90	677.52
7/21/2009	12.35	674.07
10/14/2009	10.40	676.02
1/18/2010	8.90	677.52
4/8/2010	10.90	675.52
7/12/2010	14.00	672.42
10/11/2010	16.69	669.73
1/12/2011	16.35	670.07
4/4/2011	17.67	668.75
7/25/2011	2.32	684.10
10/3/2011	2.98	683.44
1/12/2012	13.26	673.16
4/2/2012	13.10	673.32
7/6/2012	9.66	676.76
10/11/2012	18.60	667.82
1/21/2013	17.04	669.38
4/1/2013	18.65	667.77
7/1/2013	19.10	667.32
10/9/2013	10.10	676.32
1/21/2014	NM	NA
4/7/2014	18.85	667.57
7/16/2014	10.74	675.68
10/14/2014	8.52	677.90
1/20/2015	10.95	675.47
4/6/2015	9.05	677.37
7/22/2015	7.55	678.87
10/19/2015	4.59	681.83
1/5/2016	9.92	676.50
4/4/2016	8.20	678.30
7/5/2016	4.94	681.56
10/24/2016	4.94	681.56
1/16/2017	10.80	675.70
4/18/2017	11.92	675.70
7/11/2017	11.30	675.20
10/23/2017	13.06	673.44
1/8/2018	10.45	676.05
4/11/2018	10.55	675.95
7/12/2018	11.57	674.93
10/19/2018	11.57	674.93
1/9/2019	9.95	676.55
4/8/2019	8.83	677.67
7/22/2019	9.15	677.35
10/14/2019	8.39	678.11
1/6/2020	8.57	677.93

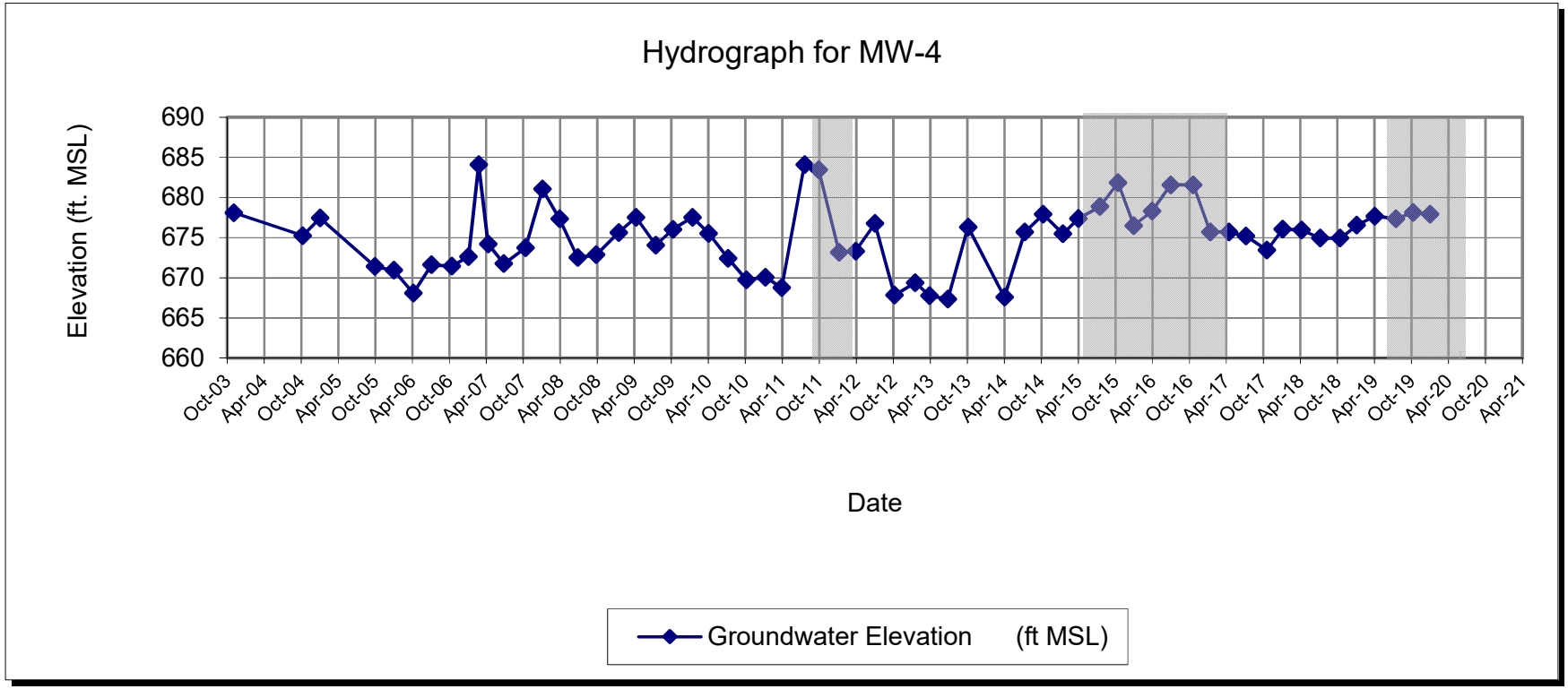
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.64
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 686.42.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-4

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York

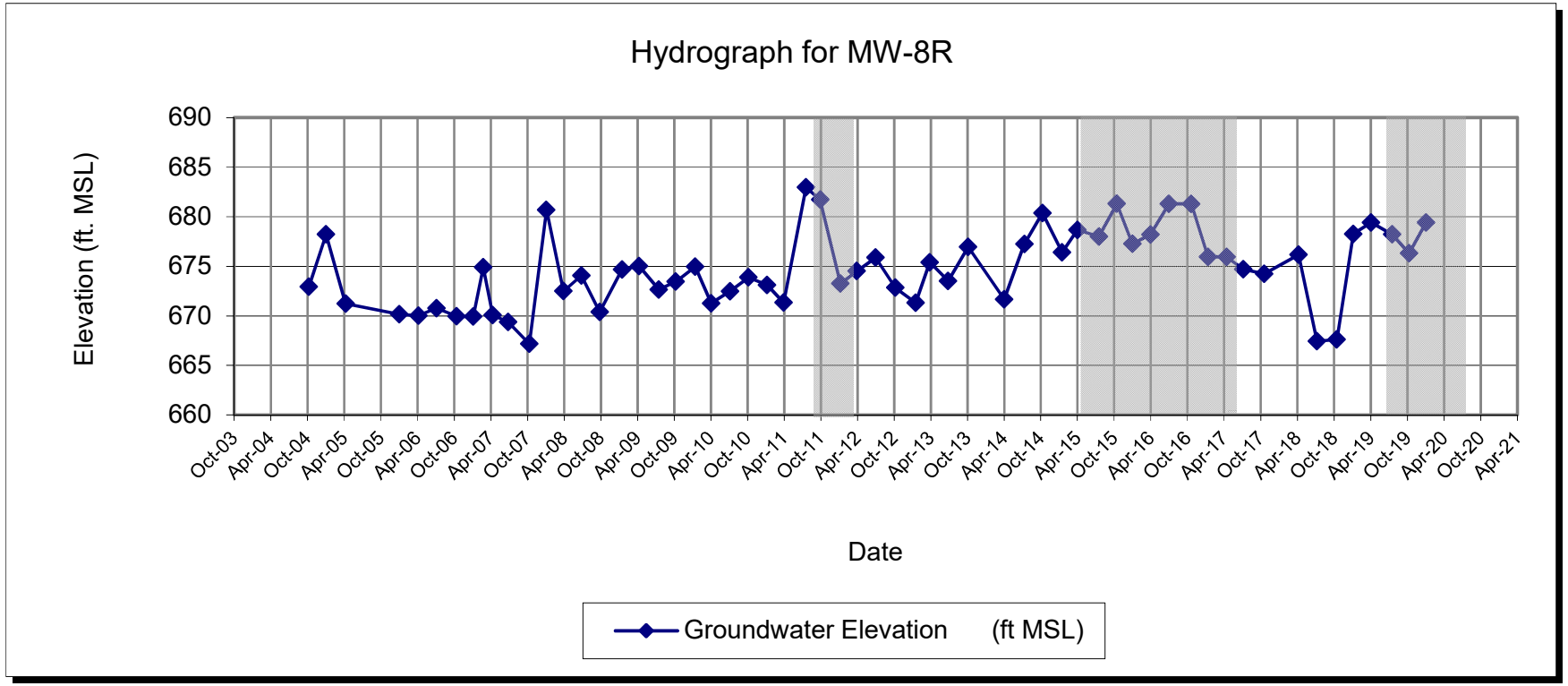


MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	12.75	672.92
1/6/2005	7.45	678.22
4/14/2005	14.45	671.22
7/20/2005	NM	NA
10/4/2005	NM	NA
1/6/2006	15.51	670.16
4/11/2006	15.65	670.02
7/10/2006	14.9	670.77
10/18/2006	15.72	669.95
1/9/2007	15.76	669.91
2/28/2007	10.78	674.89
4/16/2007	15.60	670.07
7/2/2007	16.29	669.38
10/15/2007	18.50	667.17
1/8/2008	4.99	680.68
4/2/2008	13.19	672.48
7/1/2008	12.15	674.06
9/30/2008	15.83	670.38
1/19/2009	11.55	674.66
4/14/2009	11.20	675.01
7/21/2009	13.57	672.64
10/14/2009	12.76	673.45
1/18/2010	11.26	674.95
4/8/2010	14.95	671.26
7/12/2010	13.74	672.47
10/11/2010	12.34	673.87
1/12/2011	13.10	673.11
4/4/2011	14.88	671.33
7/25/2011	3.25	682.96
10/3/2011	4.50	681.71
1/12/2012	12.96	673.25
4/2/2012	11.70	674.51
7/5/2012	10.34	675.87
10/11/2012	13.38	672.83
1/21/2013	14.90	671.31
4/1/2013	10.82	675.39
7/1/2013	12.70	673.51
10/9/2013	9.25	676.96
1/21/2014	NM	NA
4/7/2014	14.55	671.66
7/16/2014	8.97	677.24
10/14/2014	5.85	680.36
1/20/2015	9.80	676.41
4/6/2015	7.55	678.66
7/22/2015	8.22	677.99
10/19/2015	4.90	681.31
1/5/2016	8.95	677.26
4/4/2016	8.10	678.19
7/5/2016	4.99	681.30
10/24/2016	4.99	681.30
1/16/2017	10.35	675.94
4/18/2017	13.68	675.94
7/11/2017	11.60	674.69
10/23/2017	12.06	674.23
4/11/2018	10.05	676.16
7/12/2018	18.78	667.43
10/19/2018	18.60	667.61
1/9/2019	7.95	678.26
4/8/2019	6.80	679.41
7/22/2019	8.00	678.21
10/14/2019	9.91	676.30
1/6/2020	6.81	679.40

NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.67
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 686.21.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	13.03	672.4
4/8/2004	NM	NA
10/12/2004	13.68	671.75
1/6/2005	12.89	672.54
4/14/2005	12.74	672.69
7/20/2005	13.88	671.55
10/4/2005	7.22	678.21
1/5/2006	12.79	672.64
4/11/2006	13.50	671.93
7/10/2006	13.24	672.19
10/18/2006	11.00	674.43
1/9/2007	12.24	673.19
2/28/2007	1.66	683.77
4/16/2007	13.15	672.28
7/2/2007	13.00	672.43
10/17/2007	13.95	671.48
1/8/2008	6.70	678.73
4/2/2008	10.61	674.82
7/1/2008	14.25	674.39
9/30/2008	15.67	672.97
1/19/2009	14.48	674.16
4/14/2009	15.48	673.16
7/21/2009	15.20	673.44
10/10/2009	15.06	673.58
1/18/2010	17.00	671.64
4/8/2010	15.40	673.24
7/12/2010	12.42	676.22
10/11/2010	14.21	674.43
1/12/2011	15.29	673.35
4/4/2011	14.55	674.09
7/25/2011	5.75	682.89
10/3/2011	4.58	684.06
1/12/2012	14.75	673.89
4/2/2012	14.52	674.12
7/5/2012	11.48	677.16
10/11/2012	12.66	675.98
1/21/2013	14.44	674.20
4/1/2013	11.87	676.77
7/1/2013	16.54	672.10
10/9/2013	13.68	674.96
1/21/2014	15.38	673.26
4/7/2014	16.30	672.34
7/16/2014	13.71	674.93
10/14/2014	13.09	675.55
1/20/2015	13.92	674.72
4/6/2015	12.41	676.23
7/22/2015	10.72	677.92
10/19/2015	7.06	681.58
1/5/2016	12.09	676.55
4/4/2016	11.38	678.19
7/5/2016	7.41	682.16
10/24/2016	7.41	682.16
1/16/2017	13.72	675.85
4/18/2017	14.24	675.85
7/11/2017	15.00	674.57
10/23/2017	14.84	674.73
1/8/2018	13.04	676.53
4/11/2018	13.20	676.37
7/12/2018	14.49	675.08
10/19/2018	14.21	675.36
1/9/2019	13.49	676.08
4/8/2019	12.85	676.72
7/22/2019	12.61	676.96
10/14/2019	11.83	677.74
1/6/2020	10.81	678.76

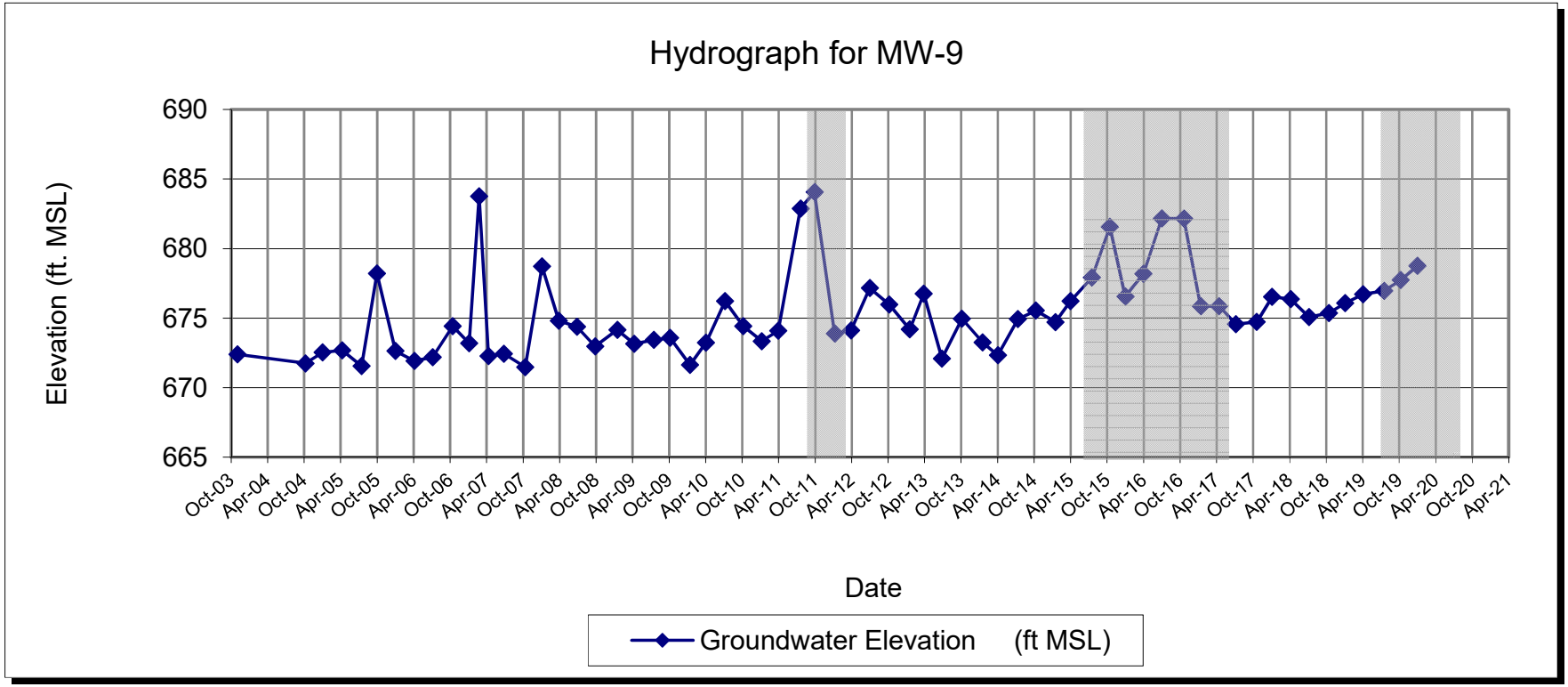
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.43
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 688.64.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phase of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-9

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York

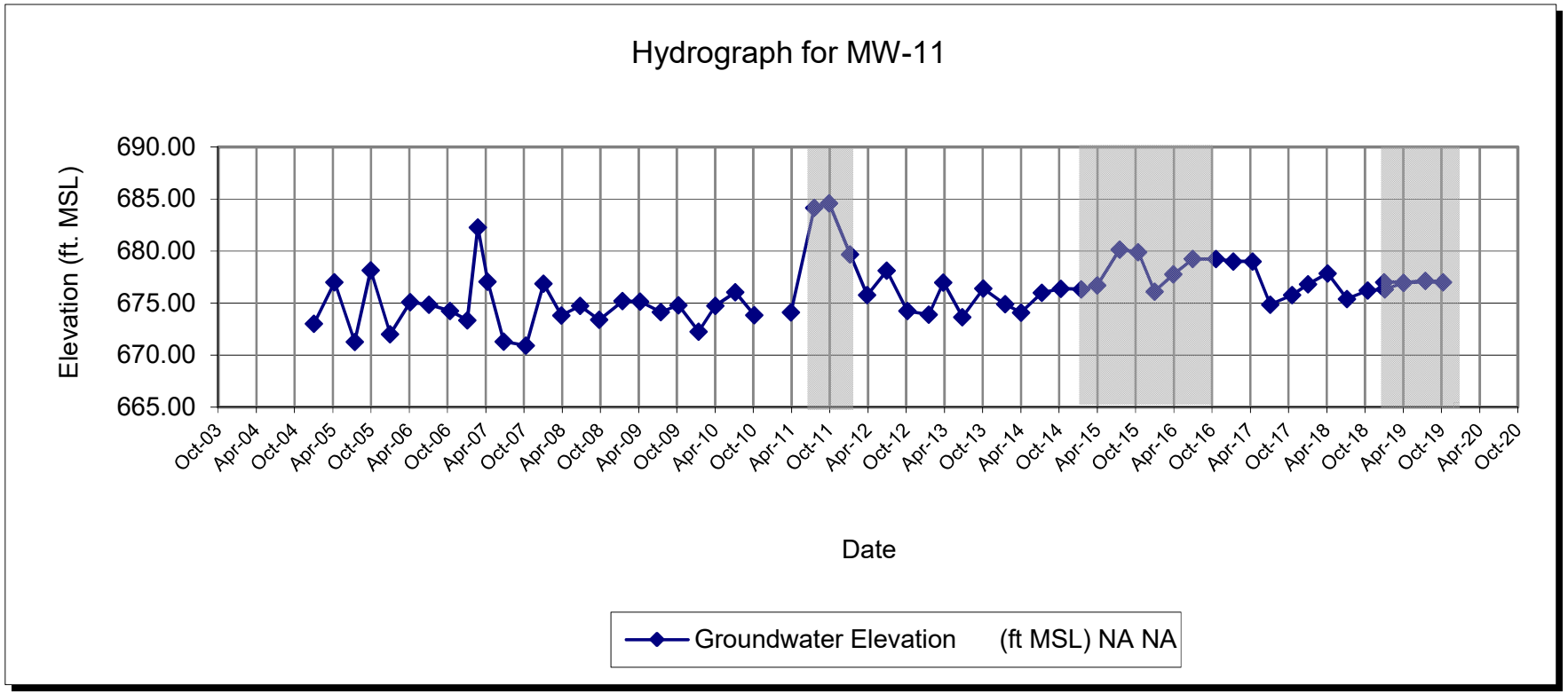


MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	15.59	673.02
4/14/2005	11.59	677.02
7/20/2005	17.34	671.27
10/4/2005	10.45	678.16
1/5/2006	16.58	672.03
4/11/2006	13.52	675.09
7/10/2006	13.75	674.86
10/18/2006	14.35	674.26
1/9/2007	15.26	673.35
2/28/2007	6.34	682.27
4/16/2007	11.55	677.06
7/2/2007	17.30	671.31
10/16/2007	17.69	670.92
1/8/2008	11.73	676.88
4/2/2008	14.78	673.83
7/1/2008	13.91	674.74
9/30/2008	15.25	673.40
1/19/2009	13.45	675.20
4/14/2009	13.50	675.15
7/21/2009	14.51	674.14
10/14/2009	13.85	674.80
1/18/2010	16.38	672.27
4/8/2010	13.90	674.75
7/12/2010	12.60	676.05
10/11/2010	14.80	673.85
1/12/2011	NM	NA
4/4/2011	14.52	674.13
7/25/2011	4.48	684.17
10/3/2011	4.05	684.60
1/12/2012	8.96	679.69
4/2/2012	12.87	675.78
7/5/2012	10.53	678.12
10/11/2012	14.40	674.25
1/21/2013	14.75	673.90
4/1/2013	11.66	676.99
7/1/2013	14.99	673.66
10/9/2013	12.25	676.40
1/21/2014	13.75	674.90
4/7/2014	14.56	674.09
7/16/2014	12.64	676.01
10/14/2014	12.26	676.39
1/20/2015	12.31	676.34
4/6/2015	11.95	676.70
7/22/2015	8.49	680.16
10/19/2015	8.75	679.90
1/5/2016	12.53	676.12
4/4/2016	10.84	677.77
7/5/2016	9.37	679.24
10/24/2016	9.37	679.24
1/16/2017	9.60	679.01
4/18/2017	11.98	679.01
7/11/2017	13.75	674.86
10/23/2017	12.83	675.78
1/8/2018	11.79	676.82
4/11/2018	10.75	677.86
7/12/2018	13.21	675.40
10/19/2018	12.40	676.21
1/9/2019	12.27	676.34
4/8/2019	11.66	676.95
7/22/2019	11.45	677.16
10/14/2019	11.59	677.02
1/6/2019	11.59	677.02

NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 688.61
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 688.65.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	7.01	679.56
10/12/2004	13.47	673.10
1/6/2005	7.24	679.33
4/14/2005	13.91	672.66
7/20/2005	12.81	673.76
10/4/2005	13.35	673.22
1/5/2006	13.79	672.78
4/11/2006	12.45	674.12
7/10/2006	13.02	673.55
10/18/2006	10.99	675.58
1/9/2007	11.35	675.22
2/28/2007	3.49	683.08
4/16/2007	12.01	674.56
7/2/2007	13.20	673.37
10/18/2007	12.77	673.80
1/8/2008	5.08	681.49
4/2/2008	5.45	681.12
7/1/2008	9.70	676.90
9/30/2008	11.80	674.80
1/19/2009	8.70	677.90
4/14/2009	8.64	677.96
7/21/2009	10.91	675.69
10/14/2009	9.18	677.42
1/18/2010	9.80	676.80
4/8/2010	8.30	678.30
7/12/2010	9.96	676.64
10/11/2010	10.29	676.31
1/12/2011	7.53	679.07
4/4/2011	8.00	678.60
7/25/2011	2.55	684.05
10/3/2011	1.81	684.79
1/12/2012	8.11	678.49
4/2/2012	8.06	678.54
7/5/2012	8.71	677.89
10/11/2012	9.57	677.03
1/21/2013	13.85	672.75
4/1/2013	6.44	680.16
7/1/2013	6.44	680.16
10/9/2013	4.10	682.50
1/21/2014	4.95	681.65
4/7/2014	6.02	680.58
7/16/2014	5.42	681.18
10/14/2014	4.41	682.19
1/20/2015	6.10	680.50
4/6/2015	4.69	681.91
7/22/2015	7.97	678.63
10/19/2015	3.95	682.65
1/5/2016	5.90	680.70
4/4/2016	5.05	681.60
7/5/2016	3.90	682.75
10/24/2016	3.90	682.75
1/16/2017	7.20	679.45
4/18/2017	6.11	679.45
7/11/2017	8.60	678.05
10/23/2017	6.42	680.23
1/8/2018	4.73	681.92
4/11/2018	4.20	682.45
7/12/2018	7.02	679.63
10/19/2018	15.86	670.79
1/9/2019	9.71	676.94
4/8/2019	5.35	681.30
7/22/2019	16.50	670.15
10/14/2019	16.50	670.15
1/6/2020	10.21	676.44

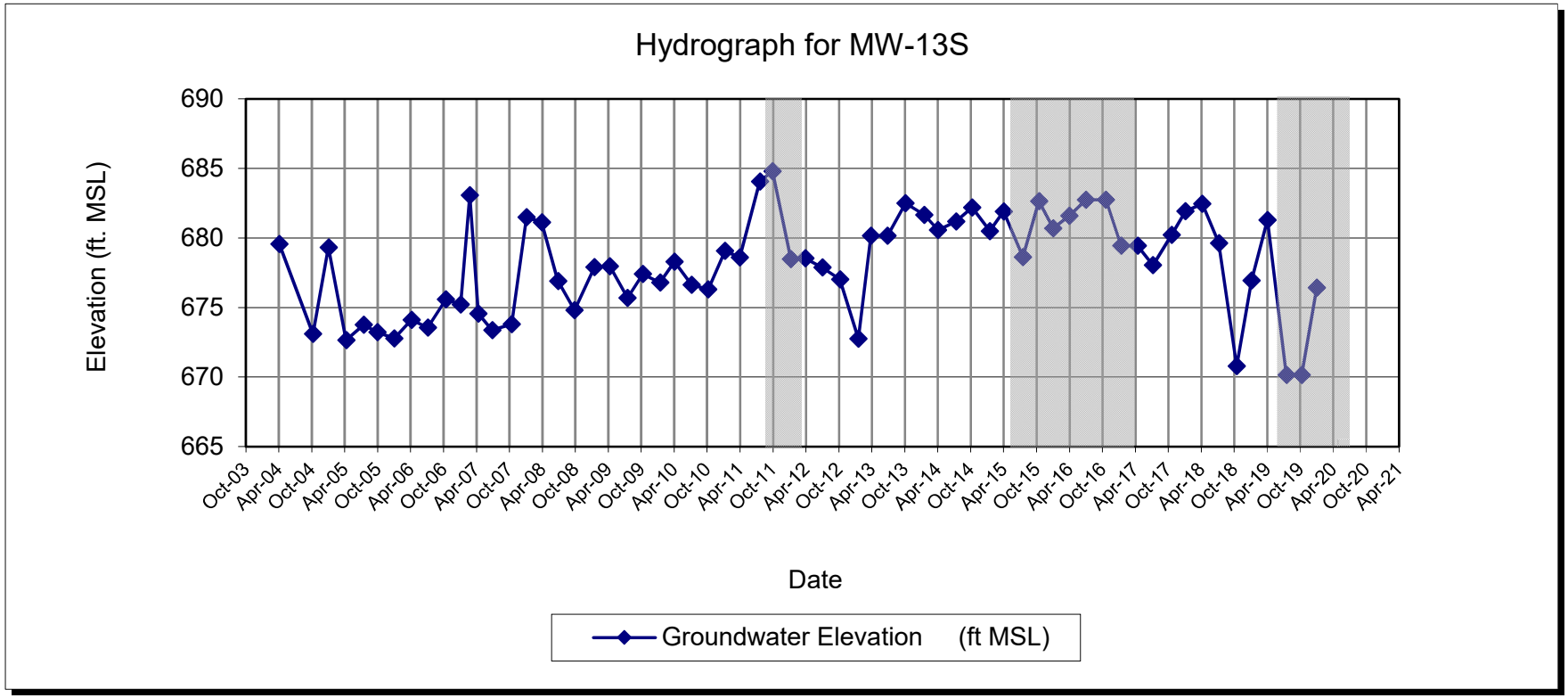
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.57
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 686.60.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-13S

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.28	673.43
10/12/2004	14.87	671.84
1/6/2005	14.55	672.16
4/14/2005	15.32	671.39
7/20/2005	15.65	671.06
10/4/2005	9.44	677.27
1/5/2006	15.83	670.88
4/11/2006	15.41	671.30
7/10/2006	13.79	672.92
10/18/2006	13.17	673.54
1/9/2007	14.41	672.30
2/28/2007	3.28	683.43
4/16/2007	14.66	672.05
7/2/2007	15.68	671.03
10/18/2007	15.80	670.91
1/8/2008	8.69	678.02
4/2/2008	12.86	673.85
7/1/2008	12.55	674.18
9/30/2008	13.89	672.84
1/19/2009	12.10	674.63
4/14/2009	11.78	674.95
7/21/2009	12.86	673.87
10/14/2009	11.59	675.14
1/18/2010	13.88	672.85
4/8/2010	12.00	674.73
7/12/2010	11.90	674.83
10/11/2010	13.34	673.39
1/12/2011	13.2	673.53
4/4/2011	13.13	673.60
7/25/2011	3.33	683.40
10/3/2011	2.55	684.18
1/12/2012	12.34	674.39
4/2/2012	11.76	674.97
7/5/2012	9.25	677.48
10/11/2012	13.00	673.73
1/21/2013	13.85	672.88
4/1/2013	11.01	675.72
7/1/2013	14.26	672.47
10/9/2013	10.36	676.37
1/21/2014	11.45	675.28
4/7/2014	13.65	673.08
7/16/2014	10.74	675.99
10/14/2014	9.41	677.32
1/20/2015	11.02	675.71
4/6/2015	9.35	677.38
7/22/2015	7.44	679.29
10/19/2015	4.55	682.18
1/5/2016	10.31	676.42
4/4/2016	8.65	678.13
7/5/2016	5.06	681.72
10/24/2016	5.06	681.72
1/16/2017	12.50	674.28
4/18/2017	10.10	674.28
7/11/2017	11.15	675.63
10/23/2017	10.87	675.91
1/8/2018	9.12	677.66
4/11/2018	8.70	678.08
7/12/2018	10.91	675.87
10/19/2018	10.86	675.92
1/9/2019	9.85	676.93
4/8/2019	9.00	677.78
7/22/2019	9.79	676.99
10/14/2019	8.87	677.91
1/6/2020	7.69	679.09

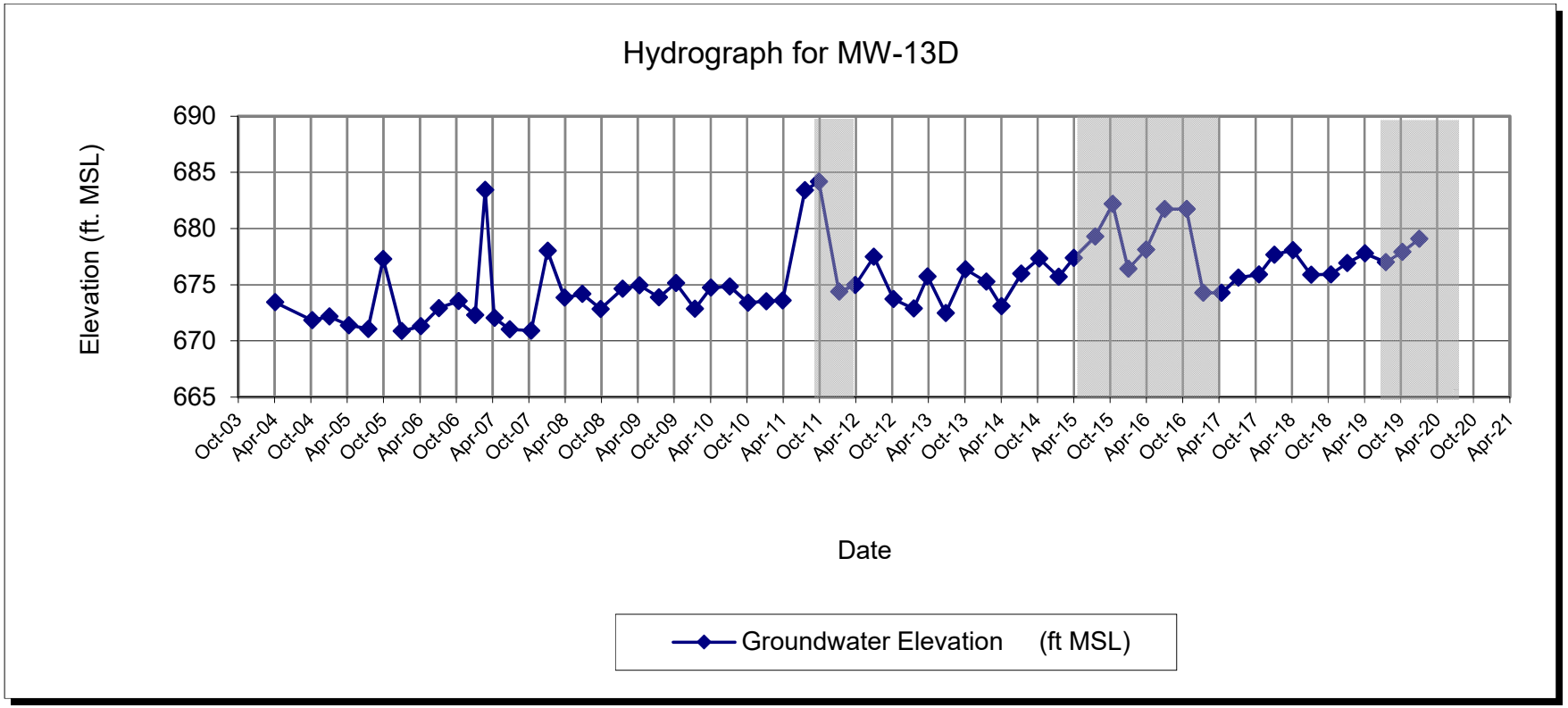
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.71
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 686.73.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-13D

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York

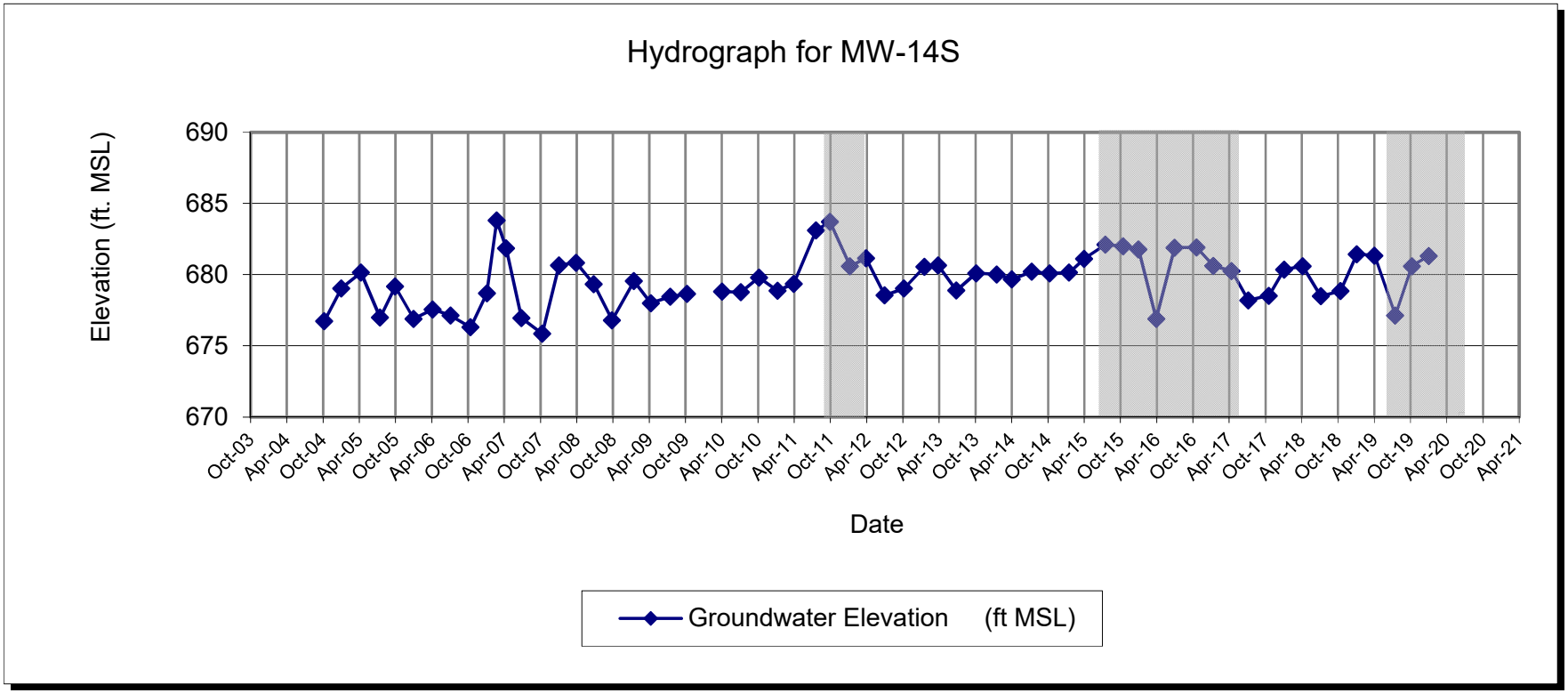


MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.14	680.17
10/12/2004	8.57	676.74
1/6/2005	6.27	679.04
4/14/2005	5.16	680.15
7/20/2005	8.32	676.99
10/4/2005	6.14	679.17
1/5/2006	8.41	676.90
4/11/2006	7.75	677.56
7/10/2006	8.18	677.13
10/18/2006	9.00	676.31
1/9/2007	6.61	678.70
2/28/2007	1.50	683.81
4/16/2007	3.45	681.86
7/2/2007	8.36	676.95
10/15/2007	9.45	675.86
1/8/2008	4.65	680.66
4/2/2008	4.47	680.84
7/1/2008	6.37	679.33
9/30/2008	8.90	676.80
1/19/2009	6.15	679.55
4/14/2009	7.70	678.00
7/21/2009	7.25	678.45
10/14/2009	7.05	678.65
1/18/2010	NM	
4/8/2010	6.50	678.81
7/12/2010	6.54	678.77
10/11/2010	5.90	679.80
1/12/2011	6.83	678.87
4/4/2011	6.34	679.36
7/25/2011	2.59	683.11
10/3/2011	1.98	683.72
1/12/2012	5.10	680.60
4/2/2012	4.55	681.15
7/5/2012	7.15	678.55
10/11/2012	6.67	679.03
1/21/2013	5.15	680.55
4/1/2013	5.05	680.65
7/1/2013	6.81	678.89
10/9/2013	5.60	680.10
1/21/2014	5.68	680.02
4/7/2014	6.03	679.67
7/16/2014	5.49	680.21
10/14/2014	5.61	680.09
1/20/2015	5.55	680.15
4/6/2015	4.58	681.12
7/22/2015	3.59	682.11
10/19/2015	3.70	682.00
1/5/2016	3.92	681.78
4/4/2016	8.80	676.90
7/5/2016	3.80	681.90
10/24/2016	3.80	681.90
1/16/2017	5.10	680.60
4/18/2017	5.44	680.26
7/11/2017	7.50	678.20
10/23/2017	7.18	678.52
1/8/2018	5.39	680.35
4/11/2018	5.14	680.60
7/12/2018	7.25	678.49
10/19/2018	6.89	678.85
1/9/2019	4.30	681.44
4/8/2019	4.40	681.34
7/22/2019	8.60	677.14
10/14/2019	5.14	680.60
1/6/2020	4.42	681.32

NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.31
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 685.70.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

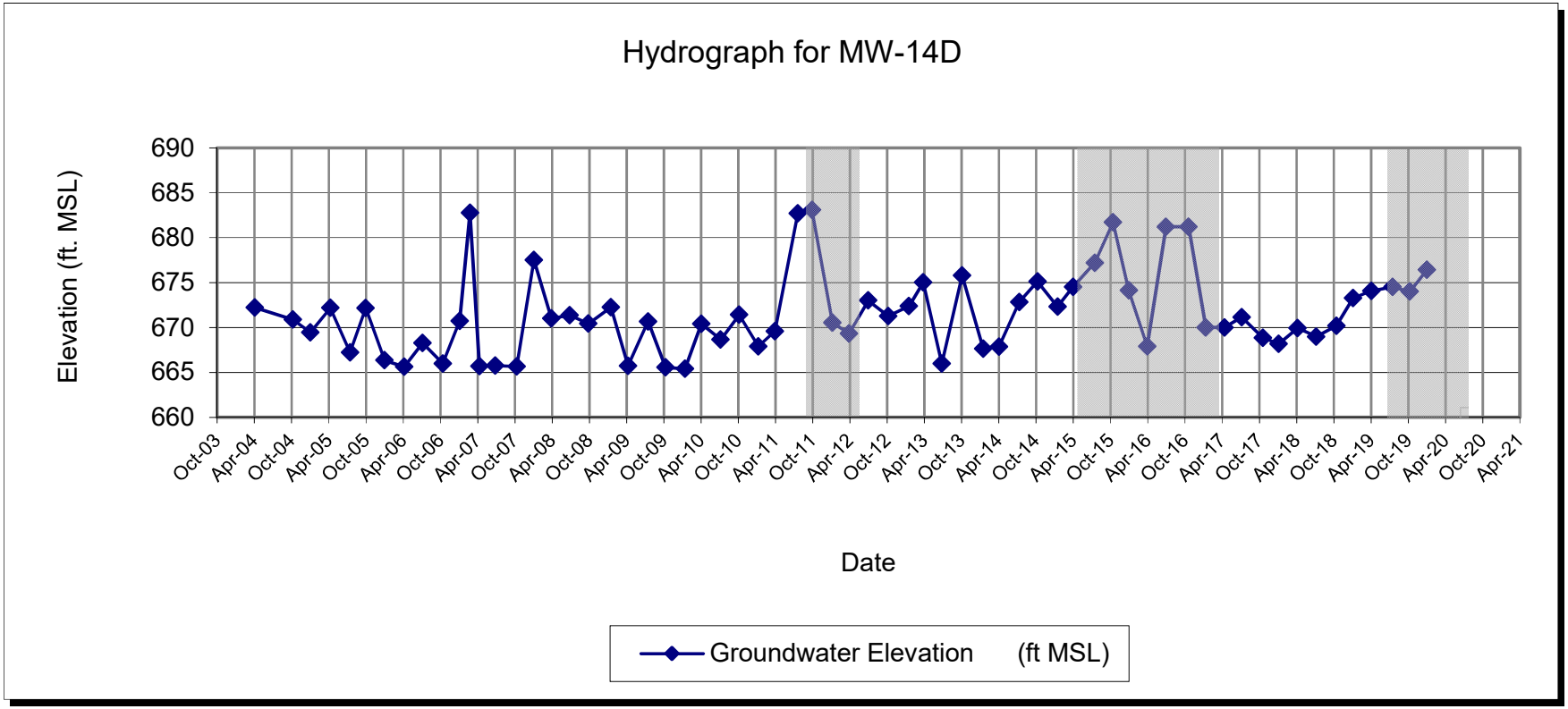


MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.21	672.22
10/12/2004	14.55	670.88
1/6/2005	15.97	669.46
4/14/2005	13.25	672.18
7/20/2005	18.20	667.23
10/4/2005	13.26	672.17
1/5/2006	19.08	666.35
4/11/2006	19.79	665.64
7/10/2006	17.16	668.27
10/18/2006	19.44	665.99
1/9/2007	14.71	670.72
2/28/2007	2.67	682.76
4/16/2007	19.74	665.69
7/2/2007	19.68	665.75
10/15/2007	19.76	665.67
1/8/2008	7.92	677.51
4/2/2008	14.41	671.02
7/1/2008	14.45	671.37
9/30/2008	15.39	670.43
1/19/2009	13.55	672.27
4/14/2009	20.10	665.72
7/21/2009	15.15	670.67
10/14/2009	20.27	665.55
1/18/2010	20.40	665.42
4/8/2010	15.40	670.42
7/12/2010	17.15	668.67
10/11/2010	14.40	671.42
1/12/2011	17.92	667.90
4/4/2011	16.23	669.59
7/25/2011	3.10	682.72
10/3/2011	2.72	683.10
1/12/2012	15.30	670.52
4/2/2012	16.50	669.32
7/5/2012	12.81	673.01
10/11/2012	14.55	671.27
1/21/2013	13.45	672.37
4/1/2013	10.78	675.04
7/1/2013	19.85	665.97
10/9/2013	10.02	675.80
1/21/2014	18.20	667.62
4/7/2014	17.95	667.87
7/16/2014	12.99	672.83
10/14/2014	10.70	675.12
1/20/2015	13.49	672.33
4/6/2015	11.30	674.52
7/22/2015	8.62	677.20
10/19/2015	4.10	681.72
1/5/2016	11.70	674.12
4/4/2016	17.98	667.90
7/5/2016	4.67	681.21
10/24/2016	4.67	681.21
1/16/2017	15.89	669.99
4/18/2017	12.45	669.99
7/11/2017	14.74	671.14
10/23/2017	17.02	668.86
1/8/2018	17.69	668.19
4/11/2018	15.95	669.93
7/12/2018	16.90	668.98
10/19/2018	15.69	670.19
1/9/2019	12.62	673.26
4/8/2019	11.80	674.08
7/22/2019	11.35	674.53
10/14/2019	11.88	674.00
1/6/2020	9.44	676.44

NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.43
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 685.82.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

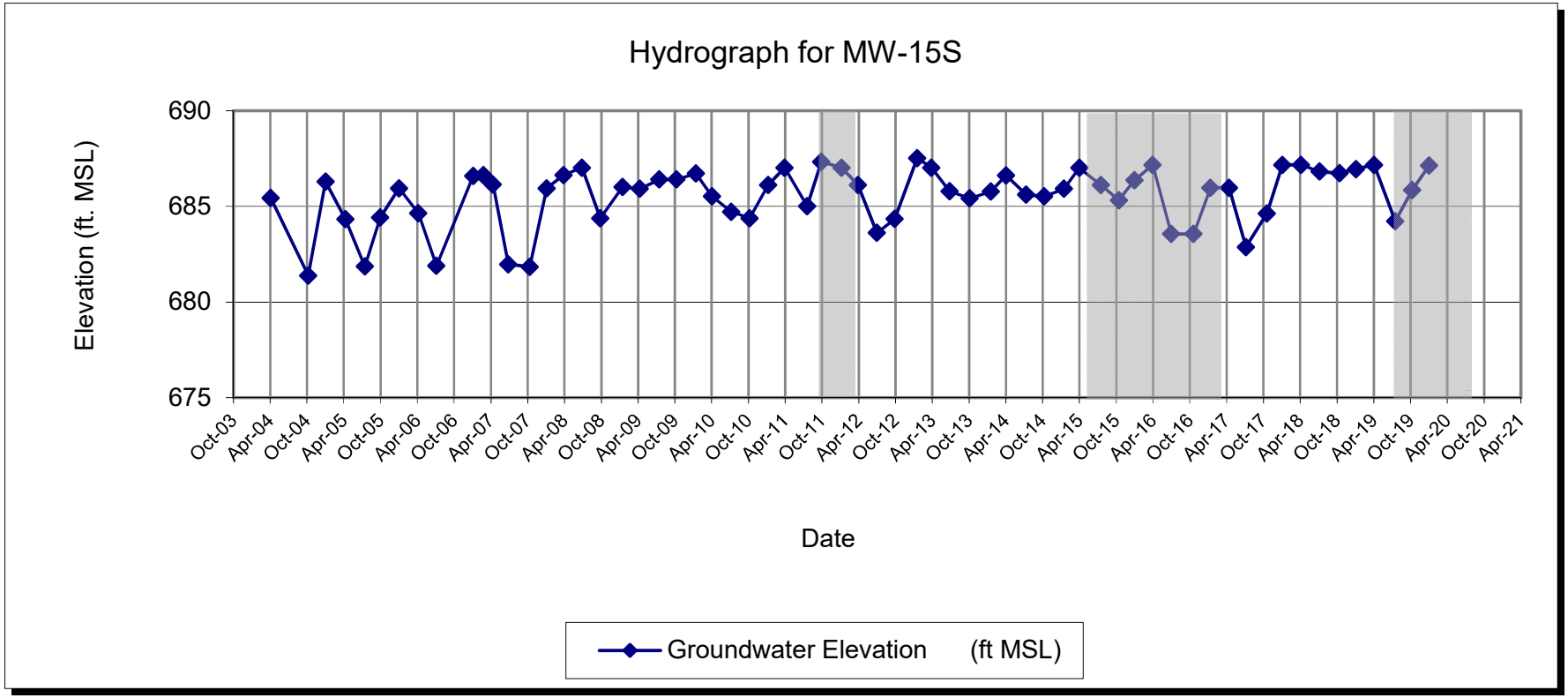


MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	1.20	685.44
10/12/2004	5.26	681.38
1/6/2005	0.35	686.29
4/14/2005	2.31	684.33
7/20/2005	4.78	681.86
10/4/2005	2.22	684.42
1/5/2006	0.70	685.94
4/11/2006	2.00	684.64
7/10/2006	4.75	681.89
1/9/2007	0.05	686.59
2/28/2007	0.00	686.64
4/16/2007	0.50	686.14
7/2/2007	4.67	681.97
10/16/2007	4.80	681.84
1/8/2008	0.70	685.94
4/2/2008	0.00	686.64
7/1/2008	0.50	687.02
9/30/2008	3.14	684.38
1/19/2009	1.50	686.02
4/14/2009	1.60	685.92
7/21/2009	1.11	686.41
10/14/2009	1.11	686.41
1/18/2010	0.80	686.72
4/8/2010	2.00	685.52
7/12/2010	2.80	684.72
10/11/2010	3.14	684.38
1/12/2011	1.40	686.12
4/4/2011	0.50	687.02
7/25/2011	2.51	685.01
10/3/2011	0.20	687.32
1/12/2012	0.50	687.02
4/2/2012	1.40	686.12
7/5/2012	3.90	683.62
10/1/2012	3.18	684.34
1/21/2013	0.00	687.52
4/1/2013	0.50	687.02
7/1/2013	1.73	685.79
10/9/2013	2.10	685.42
1/21/2014	1.75	685.77
4/7/2014	0.90	686.62
7/16/2014	1.91	685.61
10/14/2014	2.00	685.52
1/20/2015	1.60	685.92
4/6/2015	0.51	687.01
7/22/2015	1.41	686.11
10/19/2015	2.20	685.32
1/5/2016	1.15	686.37
4/4/2016	0.70	687.17
7/5/2016	3.61	683.56
10/24/2016	3.61	683.56
1/16/2017	1.20	685.97
4/18/2017	0.90	685.97
7/11/2017	4.30	682.87
10/23/2017	2.55	684.62
1/8/2018	0.00	687.17
4/11/2018	0.00	687.17
7/12/2018	0.35	686.82
10/19/2018	0.44	686.73
1/9/2019	0.22	686.95
4/8/2019	0.00	687.17
7/22/2019	2.95	684.22
10/14/2019	1.32	685.85
1/6/2020	0.04	687.13

NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.64
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
Measured from ground surface on April 4, 2016 at 687.87.
TOC Elevation re-measured on June 13, 2008 at 687.52.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

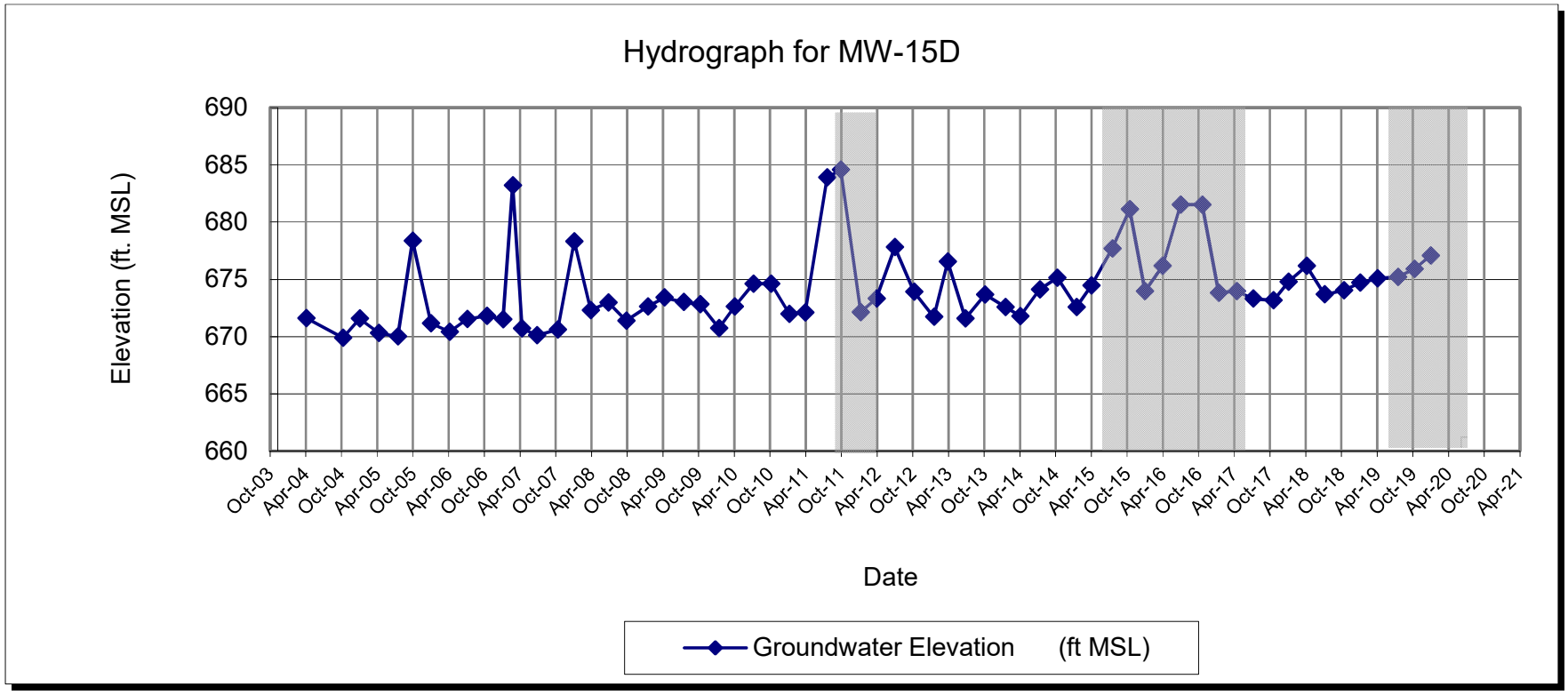


MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	15.70	671.61
10/12/2004	17.42	669.89
1/6/2005	15.74	671.57
4/14/2005	16.99	670.32
7/20/2005	17.31	670.00
10/4/2005	8.94	678.37
1/5/2006	16.16	671.15
4/11/2006	16.90	670.41
7/10/2006	15.78	671.53
10/18/2006	15.50	671.81
1/9/2007	15.80	671.51
2/28/2007	4.10	683.21
4/16/2007	16.61	670.70
7/2/2007	17.20	670.11
10/16/2007	16.70	670.61
1/8/2008	8.99	678.32
4/2/2008	15.01	672.30
7/1/2008	14.64	672.98
9/30/2008	16.24	671.38
1/19/2009	15.00	672.62
4/14/2009	14.21	673.41
7/21/2009	14.61	673.01
10/14/2009	14.81	672.81
1/18/2010	16.89	670.73
4/8/2010	15.00	672.62
7/12/2010	13.00	674.62
10/11/2010	13.00	674.62
1/12/2011	15.65	671.97
4/4/2011	15.51	672.11
7/25/2011	3.73	683.89
10/3/2011	3.05	684.57
1/12/2012	15.50	672.12
4/2/2012	14.30	673.32
7/5/2012	9.81	677.81
10/11/2012	13.70	673.92
1/21/2013	15.90	671.72
4/1/2013	11.08	676.54
7/1/2013	16.04	671.58
10/9/2013	13.95	673.67
1/21/2014	15.05	672.57
4/7/2014	15.84	671.78
7/16/2014	13.51	674.11
10/14/2014	12.49	675.13
1/20/2015	15.04	672.58
4/6/2015	13.15	674.47
7/22/2015	9.92	677.70
10/19/2015	6.50	681.12
1/5/2016	13.65	673.97
4/4/2016	11.70	676.17
7/5/2016	5.85	681.52
10/24/2016	5.85	681.52
1/16/2017	13.56	673.81
4/18/2017	13.40	673.97
7/11/2017	14.06	673.31
10/23/2017	14.21	673.16
1/8/2018	13.08	674.79
4/11/2018	11.70	676.17
7/12/2018	14.19	673.68
10/19/2018	13.83	674.04
1/9/2019	13.17	674.70
4/8/2019	12.80	675.07
7/22/2019	12.66	675.21
10/14/2019	11.97	675.90
1/6/2020	10.79	677.08

NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.31'
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 687.62.
Measured from ground surface on April 4, 2016 at 687.87.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

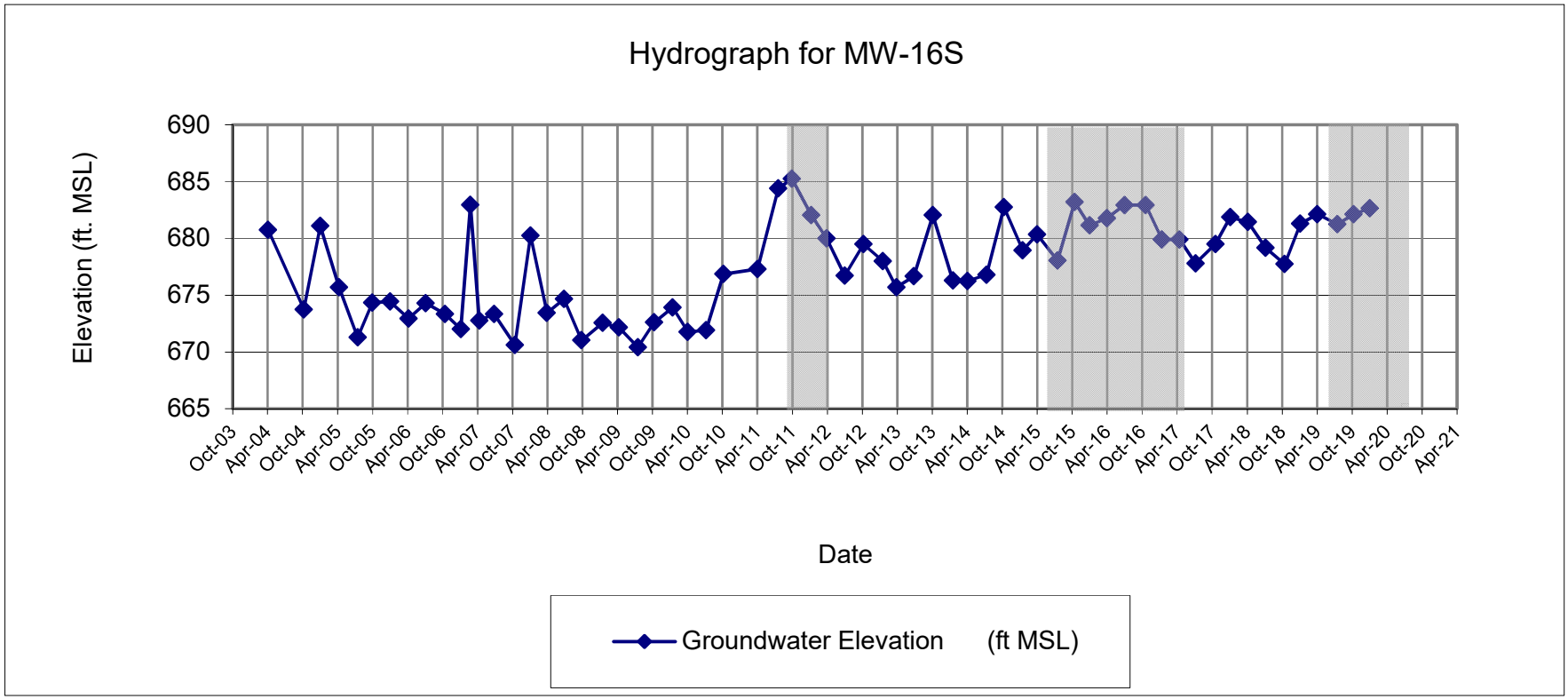


MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.09	680.75
10/12/2004	12.09	673.75
1/6/2005	4.75	681.09
4/14/2005	10.15	675.69
7/20/2005	14.56	671.28
10/4/2005	11.50	674.34
1/5/2006	11.41	674.43
4/11/2006	12.90	672.94
7/10/2006	11.54	674.30
10/18/2006	12.50	673.34
1/9/2007	13.82	672.02
2/28/2007	2.90	682.94
4/16/2007	13.07	672.77
7/2/2007	12.50	673.34
10/18/2007	15.23	670.61
1/8/2008	5.60	680.24
4/2/2008	12.40	673.44
7/1/2008	15.70	674.67
9/30/2008	19.34	671.03
1/19/2009	17.80	672.57
4/14/2009	18.22	672.15
7/21/2009	19.95	670.42
10/14/2009	17.77	672.60
1/18/2010	16.45	673.92
4/8/2010	18.60	671.77
7/12/2010	18.45	671.92
10/11/2010	13.51	676.86
4/7/2011	8.55	677.29
7/25/2011	1.45	684.39
10/3/2011	0.60	685.24
1/12/2012	3.80	682.04
4/2/2012	5.85	679.99
7/5/2012	9.12	676.72
10/11/2012	6.36	679.48
1/21/2013	7.85	677.99
4/1/2013	10.15	675.69
7/1/2013	9.18	676.66
10/9/2013	3.80	682.04
1/21/2014	9.55	676.29
4/7/2014	9.60	676.24
7/16/2014	9.05	676.79
10/14/2014	3.10	682.74
1/20/2015	6.90	678.94
4/6/2015	5.50	680.34
7/22/2015	10.14	678.05
10/19/2015	5.00	683.19
1/5/2016	7.05	681.14
4/4/2016	6.38	681.77
7/5/2016	5.23	682.92
10/24/2016	5.23	682.92
1/16/2017	8.25	679.90
4/18/2017	7.28	679.90
7/11/2017	10.36	677.79
10/23/2017	8.66	679.49
1/8/2018	6.29	681.86
4/11/2018	6.71	681.44
7/12/2018	8.99	679.16
10/19/2018	10.42	677.73
1/9/2019	6.86	681.29
4/8/2019	6.02	682.13
7/22/2019	6.91	681.24
10/14/2019	6.02	682.13
1/6/2020	5.51	682.64

NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.84
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 690.37.
TOC Elevation re-measured on April 7, 2011 at 685.84.
TOC Elevation re-measured on June 1, 2015 at 688.19.
TOC Elevation re-measured on February 23, 2016 at 688.15.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-16D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.62	672.39
10/12/2004	15.51	670.50
1/6/2005	13.70	672.31
4/14/2005	16.09	669.92
7/20/2005	16.65	669.36
10/4/2005	9.89	676.12
1/5/2006	17.21	668.80
4/11/2006	17.1	668.91
7/10/2006	10.61	675.4
10/18/2006	15.41	670.6
1/9/2007	15.6	670.41
2/28/2007	2.74	683.27
4/16/2007	16.35	669.66
7/2/2007	16.85	669.16
10/18/2007	17.17	668.84
1/8/2008	8.32	677.69
4/2/2008	13.44	672.57
7/1/2008	17.72	672.83
9/30/2008	19.29	671.26
1/19/2009	17.95	672.60
4/14/2009	17.21	673.34
7/21/2009	18.28	672.27
10/14/2009	17.60	672.95
1/18/2010	19.51	671.04
4/8/2010	17.19	673.36
7/12/2010	17.15	673.40
10/11/2010	18.63	671.92
4/7/2011	13.67	672.34
7/25/2011	2.46	683.55
10/3/2011	1.70	684.31
1/12/2012	13.55	672.46
4/2/2012	12.61	673.40
7/5/2012	8.90	677.11
10/11/2012	13.38	672.63
1/21/2013	15.44	670.57
4/1/2013	12.31	673.70
7/1/2013	16.25	669.76
10/9/2013	11.40	674.61
1/21/2014	13.35	672.66
4/7/2014	15.54	670.47
7/16/2014	11.73	674.28
10/14/2014	10.04	675.97
1/20/2015	12.31	673.70
4/6/2015	10.30	675.71
7/22/2015	9.80	678.59
10/19/2015	6.40	681.99
1/5/2016	13.00	675.39
4/4/2016	11.35	676.81
7/5/2016	6.49	681.67
10/24/2016	6.49	681.67
1/16/2017	14.28	673.88
4/18/2017	13.24	673.88
7/11/2017	14.25	673.91
10/23/2017	14.72	673.44
1/8/2018	12.38	675.78
4/11/2018	11.67	676.49
7/12/2018	14.20	673.96
10/19/2018	14.32	673.84
1/9/2019	12.82	675.34
4/8/2019	11.78	676.38
7/22/2019	12.13	676.03
10/14/2019	11.32	676.84
1/6/2020	10.29	677.87

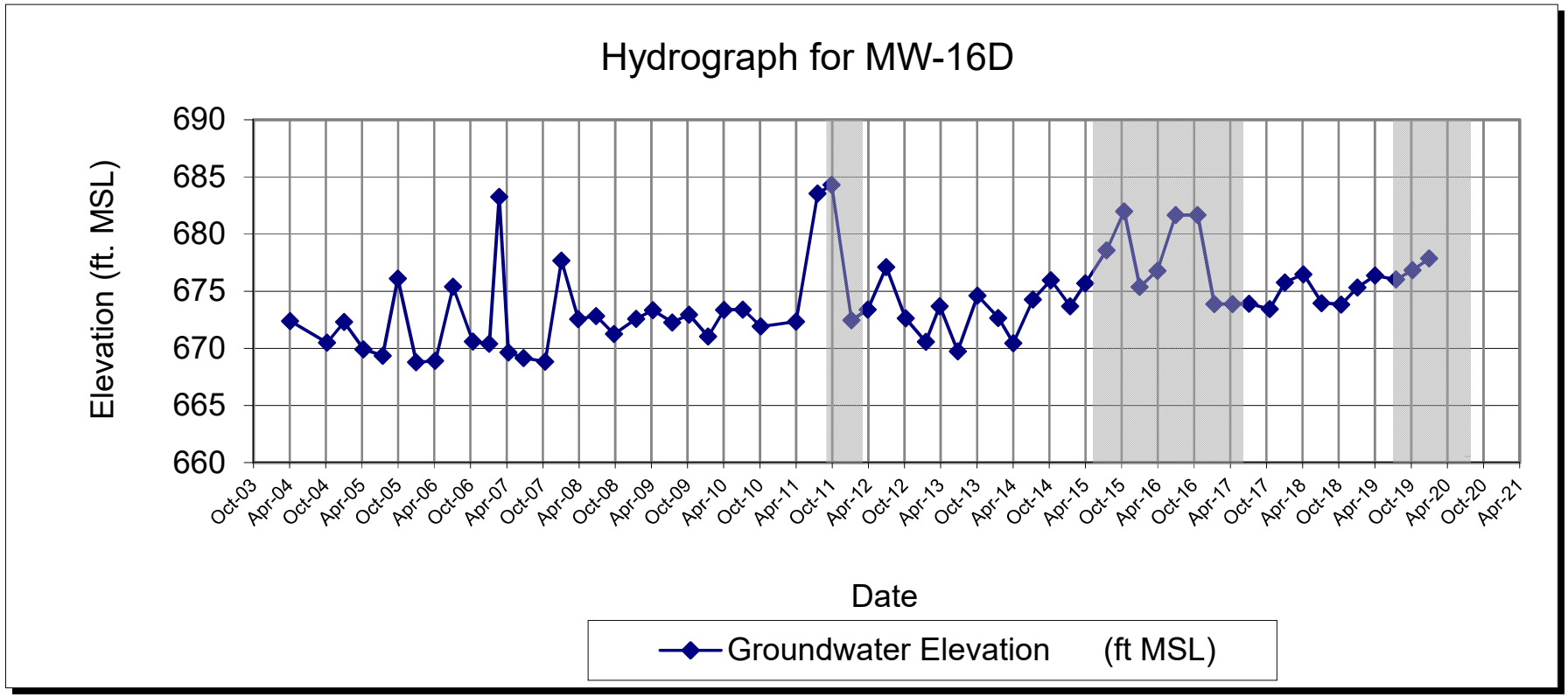
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.01
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 690.55.
TOC Elevation re-measured on April 7, 2011 at 686.01.
TOC Elevation re-measured on June 1, 2015 at 688.39.
TOC Elevation re-measured on February 23, 2016 at 688.16.
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).
DPE system off line November 2018 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-16D

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



Appendix C

Analytical Laboratory Data Packages

(Provided on CD)

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-52191-1
Client Project/Site: Scott Figgie West of Plant 2

For:
AECOM
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: Mr. Dino Zack

Joseph V. Giacomazza

Authorized for release by:
1/21/2020 5:05:54 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 200-52191-1
Project/Site: Scott Figgie West of Plant 2

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
^	Instrument related QC is outside acceptance limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-52191-1

Job ID: 200-52191-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

Job Narrative
200-52191-1

Comments
No additional comments.

Receipt
The sample was received on 1/11/2020 9:40 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

Air Toxics
Method TO-15: The initial calibration verification (ICV) result for batch 200-151599 was above the upper control limit for Bromoform. Sample results were non-detects, and have been reported as qualified data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-52191-1

Client Sample ID: AS Effluent 1Q20

Lab Sample ID: 200-52191-1

Date Collected: 01/09/20 06:30
Matrix: Air
Date Received: 01/13/20 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,2-Dichloroethene, Total	**1.8**		0.40	0.40	ppb v/v			01/21/20 05:52	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,3-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			01/21/20 05:52	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Acetone	5.0	U	5.0	5.0	ppb v/v			01/21/20 05:52	1
Benzene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Bromoform	0.20	U ^	0.20	0.20	ppb v/v			01/21/20 05:52	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Carbon disulfide	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Chloroethane	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			01/21/20 05:52	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
Methyl Ethyl Ketone	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-52191-1

Client Sample ID: AS Effluent 1Q20

Date Collected: 01/09/20 06:30
Date Received: 01/13/20 09:40
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52191-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.50	U	0.50	0.50	ppb v/v			01/21/20 05:52	1
n-Heptane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
n-Hexane	**0.28**		0.20	0.20	ppb v/v			01/21/20 05:52	1
Styrene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			01/21/20 05:52	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			01/21/20 05:52	1
Toluene	**0.30**		0.20	0.20	ppb v/v			01/21/20 05:52	1
trans-1,2-Dichloroethene	**1.8**		0.20	0.20	ppb v/v			01/21/20 05:52	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Trichlorofluoromethane	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1
Xylene (total)	0.70	U	0.70	0.70	ppb v/v			01/21/20 05:52	1
Xylene, o-	0.20	U	0.20	0.20	ppb v/v			01/21/20 05:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	1.1	ug/m3			01/21/20 05:52	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			01/21/20 05:52	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			01/21/20 05:52	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			01/21/20 05:52	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			01/21/20 05:52	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			01/21/20 05:52	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			01/21/20 05:52	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			01/21/20 05:52	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/21/20 05:52	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			01/21/20 05:52	1
1,2-Dichloroethene, Total	**7.1**		1.6	1.6	ug/m3			01/21/20 05:52	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			01/21/20 05:52	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			01/21/20 05:52	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			01/21/20 05:52	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			01/21/20 05:52	1
1,3-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/21/20 05:52	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/21/20 05:52	1
1,4-Dioxane	18	U	18	18	ug/m3			01/21/20 05:52	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.93	ug/m3			01/21/20 05:52	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			01/21/20 05:52	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			01/21/20 05:52	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			01/21/20 05:52	1
Acetone	12	U	12	12	ug/m3			01/21/20 05:52	1
Benzene	0.64	U	0.64	0.64	ug/m3			01/21/20 05:52	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			01/21/20 05:52	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			01/21/20 05:52	1
Bromoform	2.1	U ^	2.1	2.1	ug/m3			01/21/20 05:52	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			01/21/20 05:52	1
Carbon disulfide	1.6	U	1.6	1.6	ug/m3			01/21/20 05:52	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			01/21/20 05:52	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			01/21/20 05:52	1
Chloroethane	1.3	U	1.3	1.3	ug/m3			01/21/20 05:52	1

Client Sample ID: AS Effluent 1Q20 — **Lab Sample ID: 200-52191-1**
Date Collected: 01/09/20 06:30 — **Matrix: Air**
Date Received: 01/13/20 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.98	U	0.98	0.98	ug/m3			01/21/20 05:52	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			01/21/20 05:52	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			01/21/20 05:52	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			01/21/20 05:52	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			01/21/20 05:52	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			01/21/20 05:52	1
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			01/21/20 05:52	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			01/21/20 05:52	1
Freon TF	1.5	U	1.5	1.5	ug/m3			01/21/20 05:52	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			01/21/20 05:52	1
Isopropyl alcohol	12	U	12	12	ug/m3			01/21/20 05:52	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			01/21/20 05:52	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			01/21/20 05:52	1
Methyl Ethyl Ketone	1.5	U	1.5	1.5	ug/m3			01/21/20 05:52	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			01/21/20 05:52	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			01/21/20 05:52	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			01/21/20 05:52	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			01/21/20 05:52	1
n-Hexane	**0.98**		0.70	0.70	ug/m3			01/21/20 05:52	1
Styrene	0.85	U	0.85	0.85	ug/m3			01/21/20 05:52	1
tert-Butyl alcohol	15	U	15	15	ug/m3			01/21/20 05:52	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			01/21/20 05:52	1
Tetrahydrofuran	15	U	15	15	ug/m3			01/21/20 05:52	1
Toluene	**1.1**		0.75	0.75	ug/m3			01/21/20 05:52	1
trans-1,2-Dichloroethene	**7.0**		0.79	0.79	ug/m3			01/21/20 05:52	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			01/21/20 05:52	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			01/21/20 05:52	1
Trichlorofluoromethane	1.1	U	1.1	1.1	ug/m3			01/21/20 05:52	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			01/21/20 05:52	1
Xylene (total)	3.0	U	3.0	3.0	ug/m3			01/21/20 05:52	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			01/21/20 05:52	1

Lab Chronicle

Client: AECOM
Job ID: 200-52191-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: AS Effluent 1Q20
Lab Sample ID: 200-52191-1

Date Collected: 01/09/20 06:30
Matrix: Air
Date Received: 01/13/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151599	01/21/20 05:52	TPB	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AECOM
Job ID: 200-52191-1
Project/Site: Scott Figgie West of Plant 2

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-20
Connecticut	State	PH-0751	09-30-19 *
Connecticut	State	PH-0751	09-30-21
Connecticut	State Program	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-15-20
Florida	NELAP	E87467	06-30-20
Minnesota	NELAP	050-999-436	12-31-20
New Hampshire	NELAP	2006	12-18-20
New Hampshire	NELAP	2006	12-18-20
New Jersey	NELAP	VT972	06-30-20
New York	NELAP	10391	03-31-20
Pennsylvania	NELAP	68-00489	04-30-20
Rhode Island	State	LAO00298	12-30-20
Rhode Island	State Program	LAO00298	12-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-17-00272	08-09-20
Vermont	State	VT4000	12-31-20
Virginia	NELAP	460209	12-14-20

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: AECOM
Job ID: 200-52191-1
Project/Site: Scott Figgie West of Plant 2

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-52191-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-52191-1	AS Effluent 1Q20	Air	01/09/20 06:30	01/13/20 09:40	Air Canister (6-Liter) #5965

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins | Environment Testing TestAmerica

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** Dino Zack	**Samples Collected By:** DZZ	COC No: 1 of 1 COCs
Company Name: AGlom	Phone:		
Address: 257 W. Genesee Suite 400	Email: dino.zack@arcadis-us.com		For Lab Use Only:
City/State/Zip Buffalo, NY 14202			Walk-in Client:
Phone: 716 866 8222	Site Contact: Dino Zack		Lab Sampling:
FAX:	Tel/Fax		
Project Name: Scott Figsie Wipliff	**Analysis Turnaround Time**		Job / SDG No.:
Site/Location: Lancaster, NY	Standard (Specific): STD		(See below for Add'l Items)
P O #	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	*Sample Type*	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
AS Effluent 1Q20	1/9/20	0630	4/9/20	0630	-29.8	NA	NA	5965		X													TO 15 M11
																							P2- PO

200-52191 Chain of Custody

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by: DZ	**Date / Time:** 1/9/20 0800hr	**Samples Received by:** Taylor J Holt TABurl 1/11/20 0940	
Samples Relinquished by:	**Date / Time:**	**Received by:**	
Relinquished by:	**Date / Time:**	**Received by:**	
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**	

Form No. CA-C-WI-003, Rev. 2.13, dated 4/10/2019

1/21/2020

ORIGIN ID:DKKA (716) 691-2600
CHRIS KOLB
TESTAMERICA
10 HAZELWOOD DR

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 10JAN20
ACTWGT: 6.55 LB
CAD: 846654/CAFE3310

BILL RECIPIENT

565C2/DFB2/0582

TO SAMPLE MGT.
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: TA BURLINGTON

FedEx Express

J191219061901 AM

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 4276 0722 3520

XO BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: AECOM

Job Number: 200-52191-1

Login Number: 52191
List Number: 1
Creator: McNabb, Robert W

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	No: Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	No: Thermal preservation not required
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	DZZ
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-165026-1
Client Project/Site: Scott Figgie West of Plant 2

For:
AECOM
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: Mr. Dino Zack

Joseph V. Giacomazza

Authorized for release by:
1/22/2020 9:24:42 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-165026-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-165026-1

Comments
No additional comments.

Receipt
The samples were received on 1/10/2020 7:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-513292 recovered above the upper control limit for Dibromochloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-2 (480-165026-1), MW-4 (480-165026-2), MW-8R (480-165026-3), MW-3 (480-165026-4), MW-13S (480-165026-6), MW-16S (480-165026-8), MW-16D (480-165026-9), DPE-1 (480-165026-10), DPE-2 (480-165026-11), DPE-3 (480-165026-12), DPE-4 (480-165026-13), DPE-5 (480-165026-14), DPE-6 (480-165026-15), DPE-7 (480-165026-16), DPE-8 (480-165026-17) and GWCT (480-165026-18).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-165026-3), MW-16S (480-165026-8), (480-165026-A-3 MS) and (480-165026-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-4 (480-165026-2), DPE-1 (480-165026-10), DPE-3 (480-165026-12), DPE-4 (480-165026-13), DPE-5 (480-165026-14), DPE-7 (480-165026-16) and DPE-8 (480-165026-17). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-2
Date Collected: 01/07/20 13:37
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/12/20 21:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/12/20 21:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/12/20 21:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/12/20 21:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/12/20 21:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/12/20 21:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/12/20 21:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/12/20 21:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/12/20 21:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/12/20 21:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/12/20 21:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/12/20 21:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/12/20 21:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/12/20 21:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/12/20 21:17	1
2-Hexanone	ND		5.0	1.2	ug/L			01/12/20 21:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/12/20 21:17	1
Acetone	**3.3**	**J**	10	3.0	ug/L			01/12/20 21:17	1
Benzene	ND		1.0	0.41	ug/L			01/12/20 21:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/12/20 21:17	1
Bromoform	ND		1.0	0.26	ug/L			01/12/20 21:17	1
Bromomethane	ND		1.0	0.69	ug/L			01/12/20 21:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/12/20 21:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/12/20 21:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/12/20 21:17	1
Chloroethane	ND		1.0	0.32	ug/L			01/12/20 21:17	1
Chloroform	ND		1.0	0.34	ug/L			01/12/20 21:17	1
Chloromethane	ND		1.0	0.35	ug/L			01/12/20 21:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/12/20 21:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/12/20 21:17	1
Cyclohexane	ND		1.0	0.18	ug/L			01/12/20 21:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/12/20 21:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/12/20 21:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/12/20 21:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/12/20 21:17	1
Methyl acetate	ND		2.5	1.3	ug/L			01/12/20 21:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/12/20 21:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/12/20 21:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/20 21:17	1
Styrene	ND		1.0	0.73	ug/L			01/12/20 21:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/20 21:17	1
Toluene	ND		1.0	0.51	ug/L			01/12/20 21:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/20 21:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/12/20 21:17	1
Trichloroethene	ND		1.0	0.46	ug/L			01/12/20 21:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/12/20 21:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/12/20 21:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/12/20 21:17	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-2
Lab Sample ID: 480-165026-1
Date Collected: 01/07/20 13:37
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*01/12/20 21:17*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/12/20 21:17*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/12/20 21:17*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*01/12/20 21:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	9.1		1.0	0.43	mg/L			01/11/20 18:25	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-4
Date Collected: 01/08/20 10:25
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			01/12/20 21:42	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/12/20 21:42	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			01/12/20 21:42	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/12/20 21:42	4
1,1-Dichloroethane	**3.1**	**J**	4.0	1.5	ug/L			01/12/20 21:42	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			01/12/20 21:42	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			01/12/20 21:42	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			01/12/20 21:42	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			01/12/20 21:42	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			01/12/20 21:42	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/12/20 21:42	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/12/20 21:42	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			01/12/20 21:42	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			01/12/20 21:42	4
2-Butanone (MEK)	**64**		40	5.3	ug/L			01/12/20 21:42	4
2-Hexanone	**10**	**J**	20	5.0	ug/L			01/12/20 21:42	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/12/20 21:42	4
Acetone	**57**		40	12	ug/L			01/12/20 21:42	4
Benzene	ND		4.0	1.6	ug/L			01/12/20 21:42	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/12/20 21:42	4
Bromoform	ND		4.0	1.0	ug/L			01/12/20 21:42	4
Bromomethane	ND		4.0	2.8	ug/L			01/12/20 21:42	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/12/20 21:42	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/12/20 21:42	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/12/20 21:42	4
Chloroethane	**59**		4.0	1.3	ug/L			01/12/20 21:42	4
Chloroform	ND		4.0	1.4	ug/L			01/12/20 21:42	4
Chloromethane	ND		4.0	1.4	ug/L			01/12/20 21:42	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			01/12/20 21:42	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/12/20 21:42	4
Cyclohexane	ND		4.0	0.72	ug/L			01/12/20 21:42	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/12/20 21:42	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			01/12/20 21:42	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/12/20 21:42	4
Isopropylbenzene	ND		4.0	3.2	ug/L			01/12/20 21:42	4
Methyl acetate	ND		10	5.2	ug/L			01/12/20 21:42	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			01/12/20 21:42	4
Methylcyclohexane	ND		4.0	0.64	ug/L			01/12/20 21:42	4
Methylene Chloride	ND		4.0	1.8	ug/L			01/12/20 21:42	4
Styrene	ND		4.0	2.9	ug/L			01/12/20 21:42	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/12/20 21:42	4
Toluene	**5.6**		4.0	2.0	ug/L			01/12/20 21:42	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			01/12/20 21:42	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/12/20 21:42	4
Trichloroethene	ND		4.0	1.8	ug/L			01/12/20 21:42	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			01/12/20 21:42	4
Vinyl chloride	**6.8**		4.0	3.6	ug/L			01/12/20 21:42	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/12/20 21:42	4

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-4
Date Collected: 01/08/20 10:25
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*01/12/20 21:42*	*4*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*01/12/20 21:42*	*4*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/12/20 21:42*	*4*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*01/12/20 21:42*	*4*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	193		20.0	8.7	mg/L			01/11/20 19:20	20

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-8R
Date Collected: 01/08/20 14:57
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/12/20 22:06	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/12/20 22:06	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/12/20 22:06	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/12/20 22:06	10
1,1-Dichloroethane	**9.9**	**J**	10	3.8	ug/L			01/12/20 22:06	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/12/20 22:06	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/12/20 22:06	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/12/20 22:06	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/12/20 22:06	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/12/20 22:06	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/12/20 22:06	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/12/20 22:06	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/12/20 22:06	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/12/20 22:06	10
2-Butanone (MEK)	**18**	**J**	100	13	ug/L			01/12/20 22:06	10
2-Hexanone	ND		50	12	ug/L			01/12/20 22:06	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/12/20 22:06	10
Acetone	ND		100	30	ug/L			01/12/20 22:06	10
Benzene	ND		10	4.1	ug/L			01/12/20 22:06	10
Bromodichloromethane	ND		10	3.9	ug/L			01/12/20 22:06	10
Bromoform	ND		10	2.6	ug/L			01/12/20 22:06	10
Bromomethane	ND		10	6.9	ug/L			01/12/20 22:06	10
Carbon disulfide	ND		10	1.9	ug/L			01/12/20 22:06	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/12/20 22:06	10
Chlorobenzene	ND		10	7.5	ug/L			01/12/20 22:06	10
Chloroethane	**22**		10	3.2	ug/L			01/12/20 22:06	10
Chloroform	ND		10	3.4	ug/L			01/12/20 22:06	10
Chloromethane	ND		10	3.5	ug/L			01/12/20 22:06	10
cis-1,2-Dichloroethene	**110**		10	8.1	ug/L			01/12/20 22:06	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/12/20 22:06	10
Cyclohexane	ND		10	1.8	ug/L			01/12/20 22:06	10
Dibromochloromethane	ND		10	3.2	ug/L			01/12/20 22:06	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/12/20 22:06	10
Ethylbenzene	ND		10	7.4	ug/L			01/12/20 22:06	10
Isopropylbenzene	ND		10	7.9	ug/L			01/12/20 22:06	10
Methyl acetate	ND		25	13	ug/L			01/12/20 22:06	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/12/20 22:06	10
Methylcyclohexane	ND		10	1.6	ug/L			01/12/20 22:06	10
Methylene Chloride	ND		10	4.4	ug/L			01/12/20 22:06	10
Styrene	ND		10	7.3	ug/L			01/12/20 22:06	10
Tetrachloroethene	ND		10	3.6	ug/L			01/12/20 22:06	10
Toluene	**22**		10	5.1	ug/L			01/12/20 22:06	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/12/20 22:06	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/12/20 22:06	10
Trichloroethene	ND		10	4.6	ug/L			01/12/20 22:06	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/12/20 22:06	10
Vinyl chloride	**230**		10	9.0	ug/L			01/12/20 22:06	10
Xylenes, Total	ND		20	6.6	ug/L			01/12/20 22:06	10

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-8R
Lab Sample ID: 480-165026-3
Date Collected: 01/08/20 14:57
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*01/12/20 22:06*	*10*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*01/12/20 22:06*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/12/20 22:06*	*10*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*01/12/20 22:06*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	148		8.0	3.5	mg/L			01/11/20 20:17	8

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-3
Date Collected: 01/07/20 15:48
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/12/20 22:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/12/20 22:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/12/20 22:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/12/20 22:30	1
1,1-Dichloroethane	**9.3**		1.0	0.38	ug/L			01/12/20 22:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/12/20 22:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/12/20 22:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/12/20 22:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/12/20 22:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/12/20 22:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/12/20 22:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/12/20 22:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/12/20 22:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/12/20 22:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/12/20 22:30	1
2-Hexanone	ND		5.0	1.2	ug/L			01/12/20 22:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/12/20 22:30	1
Acetone	ND		10	3.0	ug/L			01/12/20 22:30	1
Benzene	ND		1.0	0.41	ug/L			01/12/20 22:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/12/20 22:30	1
Bromoform	ND		1.0	0.26	ug/L			01/12/20 22:30	1
Bromomethane	ND		1.0	0.69	ug/L			01/12/20 22:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/12/20 22:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/12/20 22:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/12/20 22:30	1
Chloroethane	**1.1**		1.0	0.32	ug/L			01/12/20 22:30	1
Chloroform	ND		1.0	0.34	ug/L			01/12/20 22:30	1
Chloromethane	ND		1.0	0.35	ug/L			01/12/20 22:30	1
cis-1,2-Dichloroethene	**2.0**		1.0	0.81	ug/L			01/12/20 22:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/12/20 22:30	1
Cyclohexane	ND		1.0	0.18	ug/L			01/12/20 22:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/12/20 22:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/12/20 22:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/12/20 22:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/12/20 22:30	1
Methyl acetate	ND		2.5	1.3	ug/L			01/12/20 22:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/12/20 22:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/12/20 22:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/20 22:30	1
Styrene	ND		1.0	0.73	ug/L			01/12/20 22:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/20 22:30	1
Toluene	ND		1.0	0.51	ug/L			01/12/20 22:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/20 22:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/12/20 22:30	1
Trichloroethene	ND		1.0	0.46	ug/L			01/12/20 22:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/12/20 22:30	1
Vinyl chloride	**16**		1.0	0.90	ug/L			01/12/20 22:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/12/20 22:30	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-3
Lab Sample ID: 480-165026-4
Date Collected: 01/07/20 15:48
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*01/12/20 22:30*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*01/12/20 22:30*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/12/20 22:30*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*01/12/20 22:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.6		1.0	0.43	mg/L			01/11/20 21:13	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-11
Date Collected: 01/07/20 14:40
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/14/20 00:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/14/20 00:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/14/20 00:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/14/20 00:49	1
1,1-Dichloroethane	**0.54**	**J**	1.0	0.38	ug/L			01/14/20 00:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/14/20 00:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/14/20 00:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/14/20 00:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/14/20 00:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/14/20 00:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/14/20 00:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/14/20 00:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/14/20 00:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/14/20 00:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/14/20 00:49	1
2-Hexanone	ND		5.0	1.2	ug/L			01/14/20 00:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/14/20 00:49	1
Acetone	ND		10	3.0	ug/L			01/14/20 00:49	1
Benzene	ND		1.0	0.41	ug/L			01/14/20 00:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/14/20 00:49	1
Bromoform	ND		1.0	0.26	ug/L			01/14/20 00:49	1
Bromomethane	ND		1.0	0.69	ug/L			01/14/20 00:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/14/20 00:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/14/20 00:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/14/20 00:49	1
Chloroethane	ND		1.0	0.32	ug/L			01/14/20 00:49	1
Chloroform	ND		1.0	0.34	ug/L			01/14/20 00:49	1
Chloromethane	ND		1.0	0.35	ug/L			01/14/20 00:49	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.81	ug/L			01/14/20 00:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/14/20 00:49	1
Cyclohexane	ND		1.0	0.18	ug/L			01/14/20 00:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/14/20 00:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/14/20 00:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/14/20 00:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/14/20 00:49	1
Methyl acetate	ND		2.5	1.3	ug/L			01/14/20 00:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/14/20 00:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/14/20 00:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/14/20 00:49	1
Styrene	ND		1.0	0.73	ug/L			01/14/20 00:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/14/20 00:49	1
Toluene	ND		1.0	0.51	ug/L			01/14/20 00:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/14/20 00:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/14/20 00:49	1
Trichloroethene	ND		1.0	0.46	ug/L			01/14/20 00:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/14/20 00:49	1
Vinyl chloride	**1.4**		1.0	0.90	ug/L			01/14/20 00:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/14/20 00:49	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-11
Lab Sample ID: 480-165026-5
Date Collected: 01/07/20 14:40
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*01/14/20 00:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*01/14/20 00:49*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/14/20 00:49*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/14/20 00:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.3		1.0	0.43	mg/L			01/11/20 21:41	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-13S
Date Collected: 01/08/20 10:50
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/12/20 23:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/12/20 23:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/12/20 23:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/12/20 23:18	1
1,1-Dichloroethane	**4.4**		1.0	0.38	ug/L			01/12/20 23:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/12/20 23:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/12/20 23:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/12/20 23:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/12/20 23:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/12/20 23:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/12/20 23:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/12/20 23:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/12/20 23:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/12/20 23:18	1
2-Butanone (MEK)	**5.1**	**J**	10	1.3	ug/L			01/12/20 23:18	1
2-Hexanone	ND		5.0	1.2	ug/L			01/12/20 23:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/12/20 23:18	1
Acetone	**5.7**	**J**	10	3.0	ug/L			01/12/20 23:18	1
Benzene	ND		1.0	0.41	ug/L			01/12/20 23:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/12/20 23:18	1
Bromoform	ND		1.0	0.26	ug/L			01/12/20 23:18	1
Bromomethane	ND		1.0	0.69	ug/L			01/12/20 23:18	1
Carbon disulfide	**0.21**	**J**	1.0	0.19	ug/L			01/12/20 23:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/12/20 23:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/12/20 23:18	1
Chloroethane	**13**		1.0	0.32	ug/L			01/12/20 23:18	1
Chloroform	ND		1.0	0.34	ug/L			01/12/20 23:18	1
Chloromethane	ND		1.0	0.35	ug/L			01/12/20 23:18	1
cis-1,2-Dichloroethene	**19**		1.0	0.81	ug/L			01/12/20 23:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/12/20 23:18	1
Cyclohexane	ND		1.0	0.18	ug/L			01/12/20 23:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/12/20 23:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/12/20 23:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/12/20 23:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/12/20 23:18	1
Methyl acetate	ND		2.5	1.3	ug/L			01/12/20 23:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/12/20 23:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/12/20 23:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/20 23:18	1
Styrene	ND		1.0	0.73	ug/L			01/12/20 23:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/20 23:18	1
Toluene	**0.62**	**J**	1.0	0.51	ug/L			01/12/20 23:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/20 23:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/12/20 23:18	1
Trichloroethene	**0.64**	**J**	1.0	0.46	ug/L			01/12/20 23:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/12/20 23:18	1
Vinyl chloride	**94**		1.0	0.90	ug/L			01/12/20 23:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/12/20 23:18	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-13S
Lab Sample ID: 480-165026-6
Date Collected: 01/08/20 10:50
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*01/12/20 23:18*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*01/12/20 23:18*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/12/20 23:18*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*01/12/20 23:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	53.0		1.0	0.43	mg/L			01/15/20 23:56	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-13D
Date Collected: 01/08/20 11:55
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/14/20 01:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/14/20 01:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/14/20 01:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/14/20 01:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/14/20 01:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/14/20 01:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/14/20 01:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/14/20 01:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/14/20 01:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/14/20 01:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/14/20 01:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/14/20 01:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/14/20 01:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/14/20 01:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/14/20 01:13	1
2-Hexanone	ND		5.0	1.2	ug/L			01/14/20 01:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/14/20 01:13	1
Acetone	**20**		10	3.0	ug/L			01/14/20 01:13	1
Benzene	ND		1.0	0.41	ug/L			01/14/20 01:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/14/20 01:13	1
Bromoform	ND		1.0	0.26	ug/L			01/14/20 01:13	1
Bromomethane	ND		1.0	0.69	ug/L			01/14/20 01:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/14/20 01:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/14/20 01:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/14/20 01:13	1
Chloroethane	**2.5**		1.0	0.32	ug/L			01/14/20 01:13	1
Chloroform	ND		1.0	0.34	ug/L			01/14/20 01:13	1
Chloromethane	ND		1.0	0.35	ug/L			01/14/20 01:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/14/20 01:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/14/20 01:13	1
Cyclohexane	ND		1.0	0.18	ug/L			01/14/20 01:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/14/20 01:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/14/20 01:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/14/20 01:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/14/20 01:13	1
Methyl acetate	ND		2.5	1.3	ug/L			01/14/20 01:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/14/20 01:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/14/20 01:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/14/20 01:13	1
Styrene	ND		1.0	0.73	ug/L			01/14/20 01:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/14/20 01:13	1
Toluene	**0.95**	**J**	1.0	0.51	ug/L			01/14/20 01:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/14/20 01:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/14/20 01:13	1
Trichloroethene	ND		1.0	0.46	ug/L			01/14/20 01:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/14/20 01:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/14/20 01:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/14/20 01:13	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-13D
Lab Sample ID: 480-165026-7
Date Collected: 01/08/20 11:55
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*01/14/20 01:13*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*01/14/20 01:13*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/14/20 01:13*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/14/20 01:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	23.4		1.0	0.43	mg/L			01/12/20 00:02	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-16S
Date Collected: 01/09/20 11:45
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000	820	ug/L			01/13/20 00:07	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			01/13/20 00:07	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			01/13/20 00:07	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			01/13/20 00:07	1000
1,1-Dichloroethane	**550**	**J**	1000	380	ug/L			01/13/20 00:07	1000
1,1-Dichloroethene	ND		1000	290	ug/L			01/13/20 00:07	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			01/13/20 00:07	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			01/13/20 00:07	1000
1,2-Dibromoethane	ND		1000	730	ug/L			01/13/20 00:07	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			01/13/20 00:07	1000
1,2-Dichloroethane	ND		1000	210	ug/L			01/13/20 00:07	1000
1,2-Dichloropropane	ND		1000	720	ug/L			01/13/20 00:07	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			01/13/20 00:07	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			01/13/20 00:07	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			01/13/20 00:07	1000
2-Hexanone	ND		5000	1200	ug/L			01/13/20 00:07	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			01/13/20 00:07	1000
Acetone	ND		10000	3000	ug/L			01/13/20 00:07	1000
Benzene	ND		1000	410	ug/L			01/13/20 00:07	1000
Bromodichloromethane	ND		1000	390	ug/L			01/13/20 00:07	1000
Bromoform	ND		1000	260	ug/L			01/13/20 00:07	1000
Bromomethane	ND		1000	690	ug/L			01/13/20 00:07	1000
Carbon disulfide	ND		1000	190	ug/L			01/13/20 00:07	1000
Carbon tetrachloride	ND		1000	270	ug/L			01/13/20 00:07	1000
Chlorobenzene	ND		1000	750	ug/L			01/13/20 00:07	1000
Chloroethane	**1700**		1000	320	ug/L			01/13/20 00:07	1000
Chloroform	ND		1000	340	ug/L			01/13/20 00:07	1000
Chloromethane	ND		1000	350	ug/L			01/13/20 00:07	1000
cis-1,2-Dichloroethene	**30000**		1000	810	ug/L			01/13/20 00:07	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			01/13/20 00:07	1000
Cyclohexane	ND		1000	180	ug/L			01/13/20 00:07	1000
Dibromochloromethane	ND		1000	320	ug/L			01/13/20 00:07	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			01/13/20 00:07	1000
Ethylbenzene	ND		1000	740	ug/L			01/13/20 00:07	1000
Isopropylbenzene	ND		1000	790	ug/L			01/13/20 00:07	1000
Methyl acetate	ND		2500	1300	ug/L			01/13/20 00:07	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			01/13/20 00:07	1000
Methylcyclohexane	ND		1000	160	ug/L			01/13/20 00:07	1000
Methylene Chloride	ND		1000	440	ug/L			01/13/20 00:07	1000
Styrene	ND		1000	730	ug/L			01/13/20 00:07	1000
Tetrachloroethene	ND		1000	360	ug/L			01/13/20 00:07	1000
Toluene	**670**	**J**	1000	510	ug/L			01/13/20 00:07	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			01/13/20 00:07	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			01/13/20 00:07	1000
Trichloroethene	ND		1000	460	ug/L			01/13/20 00:07	1000
Trichlorofluoromethane	ND		1000	880	ug/L			01/13/20 00:07	1000
Vinyl chloride	**40000**		1000	900	ug/L			01/13/20 00:07	1000
Xylenes, Total	ND		2000	660	ug/L			01/13/20 00:07	1000

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-16S
Date Collected: 01/09/20 11:45
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		01/13/20 00:07	1000
4-Bromofluorobenzene (Surr)	107		73 - 120		01/13/20 00:07	1000
Toluene-d8 (Surr)	105		80 - 120		01/13/20 00:07	1000
Dibromofluoromethane (Surr)	106		75 - 123		01/13/20 00:07	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	275		10.0	4.3	mg/L			01/12/20 00:58	10

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: MW-16D
Date Collected: 01/09/20 12:37
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/13/20 00:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/13/20 00:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/13/20 00:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/13/20 00:31	1
1,1-Dichloroethane	**1.4**		1.0	0.38	ug/L			01/13/20 00:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/13/20 00:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/13/20 00:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/13/20 00:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/13/20 00:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/13/20 00:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/13/20 00:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/13/20 00:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/13/20 00:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/13/20 00:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/13/20 00:31	1
2-Hexanone	ND		5.0	1.2	ug/L			01/13/20 00:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/13/20 00:31	1
Acetone	ND		10	3.0	ug/L			01/13/20 00:31	1
Benzene	ND		1.0	0.41	ug/L			01/13/20 00:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/13/20 00:31	1
Bromoform	ND		1.0	0.26	ug/L			01/13/20 00:31	1
Bromomethane	ND		1.0	0.69	ug/L			01/13/20 00:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/13/20 00:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/13/20 00:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/13/20 00:31	1
Chloroethane	**86**		1.0	0.32	ug/L			01/13/20 00:31	1
Chloroform	ND		1.0	0.34	ug/L			01/13/20 00:31	1
Chloromethane	ND		1.0	0.35	ug/L			01/13/20 00:31	1
cis-1,2-Dichloroethene	**4.0**		1.0	0.81	ug/L			01/13/20 00:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/13/20 00:31	1
Cyclohexane	ND		1.0	0.18	ug/L			01/13/20 00:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/13/20 00:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/13/20 00:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/20 00:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/13/20 00:31	1
Methyl acetate	ND		2.5	1.3	ug/L			01/13/20 00:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/13/20 00:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/13/20 00:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/13/20 00:31	1
Styrene	ND		1.0	0.73	ug/L			01/13/20 00:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/13/20 00:31	1
Toluene	ND		1.0	0.51	ug/L			01/13/20 00:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/13/20 00:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/13/20 00:31	1
Trichloroethene	ND		1.0	0.46	ug/L			01/13/20 00:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/13/20 00:31	1
Vinyl chloride	**2.5**		1.0	0.90	ug/L			01/13/20 00:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/20 00:31	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-16D
Lab Sample ID: 480-165026-9
Date Collected: 01/09/20 12:37
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*01/13/20 00:31*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/13/20 00:31*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*01/13/20 00:31*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*01/13/20 00:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.6		1.0	0.43	mg/L			01/12/20 01:26	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-1
Lab Sample ID: 480-165026-10
Date Collected: 01/06/20 12:30
Matrix: Water
Date Received: 01/10/20 07:35

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			01/13/20 00:55	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			01/13/20 00:55	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			01/13/20 00:55	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			01/13/20 00:55	20
1,1-Dichloroethane	**94**		20	7.6	ug/L			01/13/20 00:55	20
1,1-Dichloroethene	ND		20	5.8	ug/L			01/13/20 00:55	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			01/13/20 00:55	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			01/13/20 00:55	20
1,2-Dibromoethane	ND		20	15	ug/L			01/13/20 00:55	20
1,2-Dichlorobenzene	ND		20	16	ug/L			01/13/20 00:55	20
1,2-Dichloroethane	ND		20	4.2	ug/L			01/13/20 00:55	20
1,2-Dichloropropane	ND		20	14	ug/L			01/13/20 00:55	20
1,3-Dichlorobenzene	ND		20	16	ug/L			01/13/20 00:55	20
1,4-Dichlorobenzene	ND		20	17	ug/L			01/13/20 00:55	20
2-Butanone (MEK)	**72**	**J**	200	26	ug/L			01/13/20 00:55	20
2-Hexanone	ND		100	25	ug/L			01/13/20 00:55	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			01/13/20 00:55	20
Acetone	**200**		200	60	ug/L			01/13/20 00:55	20
Benzene	ND		20	8.2	ug/L			01/13/20 00:55	20
Bromodichloromethane	ND		20	7.8	ug/L			01/13/20 00:55	20
Bromoform	ND		20	5.2	ug/L			01/13/20 00:55	20
Bromomethane	ND		20	14	ug/L			01/13/20 00:55	20
Carbon disulfide	ND		20	3.8	ug/L			01/13/20 00:55	20
Carbon tetrachloride	ND		20	5.4	ug/L			01/13/20 00:55	20
Chlorobenzene	ND		20	15	ug/L			01/13/20 00:55	20
Chloroethane	**16**	**J**	20	6.4	ug/L			01/13/20 00:55	20
Chloroform	ND		20	6.8	ug/L			01/13/20 00:55	20
Chloromethane	ND		20	7.0	ug/L			01/13/20 00:55	20
cis-1,2-Dichloroethene	**90**		20	16	ug/L			01/13/20 00:55	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			01/13/20 00:55	20
Cyclohexane	ND		20	3.6	ug/L			01/13/20 00:55	20
Dibromochloromethane	ND		20	6.4	ug/L			01/13/20 00:55	20
Dichlorodifluoromethane	ND		20	14	ug/L			01/13/20 00:55	20
Ethylbenzene	ND		20	15	ug/L			01/13/20 00:55	20
Isopropylbenzene	ND		20	16	ug/L			01/13/20 00:55	20
Methyl acetate	ND		50	26	ug/L			01/13/20 00:55	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			01/13/20 00:55	20
Methylcyclohexane	ND		20	3.2	ug/L			01/13/20 00:55	20
Methylene Chloride	ND		20	8.8	ug/L			01/13/20 00:55	20
Styrene	ND		20	15	ug/L			01/13/20 00:55	20
Tetrachloroethene	ND		20	7.2	ug/L			01/13/20 00:55	20
Toluene	**13**	**J**	20	10	ug/L			01/13/20 00:55	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			01/13/20 00:55	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			01/13/20 00:55	20
Trichloroethene	**9.9**	**J**	20	9.2	ug/L			01/13/20 00:55	20
Trichlorofluoromethane	ND		20	18	ug/L			01/13/20 00:55	20
Vinyl chloride	**25**		20	18	ug/L			01/13/20 00:55	20
Xylenes, Total	ND		40	13	ug/L			01/13/20 00:55	20

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-1
Date Collected: 01/06/20 12:30
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*01/13/20 00:55*	*20*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*01/13/20 00:55*	*20*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/13/20 00:55*	*20*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*01/13/20 00:55*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	204		5.0	2.2	mg/L			01/16/20 00:26	5

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-2
Date Collected: 01/06/20 12:40
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/13/20 01:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/13/20 01:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/13/20 01:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/13/20 01:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/13/20 01:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/13/20 01:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/13/20 01:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/13/20 01:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/13/20 01:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/13/20 01:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/13/20 01:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/13/20 01:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/13/20 01:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/13/20 01:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/13/20 01:19	1
2-Hexanone	ND		5.0	1.2	ug/L			01/13/20 01:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/13/20 01:19	1
Acetone	ND		10	3.0	ug/L			01/13/20 01:19	1
Benzene	ND		1.0	0.41	ug/L			01/13/20 01:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/13/20 01:19	1
Bromoform	ND		1.0	0.26	ug/L			01/13/20 01:19	1
Bromomethane	ND		1.0	0.69	ug/L			01/13/20 01:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/13/20 01:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/13/20 01:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/13/20 01:19	1
Chloroethane	**0.58**	**J**	1.0	0.32	ug/L			01/13/20 01:19	1
Chloroform	ND		1.0	0.34	ug/L			01/13/20 01:19	1
Chloromethane	ND		1.0	0.35	ug/L			01/13/20 01:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/13/20 01:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/13/20 01:19	1
Cyclohexane	ND		1.0	0.18	ug/L			01/13/20 01:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/13/20 01:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/13/20 01:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/20 01:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/13/20 01:19	1
Methyl acetate	ND		2.5	1.3	ug/L			01/13/20 01:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/13/20 01:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/13/20 01:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/13/20 01:19	1
Styrene	ND		1.0	0.73	ug/L			01/13/20 01:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/13/20 01:19	1
Toluene	ND		1.0	0.51	ug/L			01/13/20 01:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/13/20 01:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/13/20 01:19	1
Trichloroethene	ND		1.0	0.46	ug/L			01/13/20 01:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/13/20 01:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/13/20 01:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/20 01:19	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-2
Date Collected: 01/06/20 12:40
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-11
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*01/13/20 01:19*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*01/13/20 01:19*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/13/20 01:19*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*01/13/20 01:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	8.8		1.0	0.43	mg/L			01/12/20 02:23	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-3
Date Collected: 01/06/20 12:50
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/13/20 01:43	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/13/20 01:43	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/13/20 01:43	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/13/20 01:43	10
1,1-Dichloroethane	ND		10	3.8	ug/L			01/13/20 01:43	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/13/20 01:43	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/13/20 01:43	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/13/20 01:43	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/13/20 01:43	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/13/20 01:43	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/13/20 01:43	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/13/20 01:43	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/13/20 01:43	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/13/20 01:43	10
2-Butanone (MEK)	ND		100	13	ug/L			01/13/20 01:43	10
2-Hexanone	ND		50	12	ug/L			01/13/20 01:43	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/13/20 01:43	10
Acetone	ND		100	30	ug/L			01/13/20 01:43	10
Benzene	ND		10	4.1	ug/L			01/13/20 01:43	10
Bromodichloromethane	ND		10	3.9	ug/L			01/13/20 01:43	10
Bromoform	ND		10	2.6	ug/L			01/13/20 01:43	10
Bromomethane	ND		10	6.9	ug/L			01/13/20 01:43	10
Carbon disulfide	ND		10	1.9	ug/L			01/13/20 01:43	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/13/20 01:43	10
Chlorobenzene	ND		10	7.5	ug/L			01/13/20 01:43	10
Chloroethane	**12**		10	3.2	ug/L			01/13/20 01:43	10
Chloroform	ND		10	3.4	ug/L			01/13/20 01:43	10
Chloromethane	ND		10	3.5	ug/L			01/13/20 01:43	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			01/13/20 01:43	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/13/20 01:43	10
Cyclohexane	ND		10	1.8	ug/L			01/13/20 01:43	10
Dibromochloromethane	ND		10	3.2	ug/L			01/13/20 01:43	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/13/20 01:43	10
Ethylbenzene	ND		10	7.4	ug/L			01/13/20 01:43	10
Isopropylbenzene	ND		10	7.9	ug/L			01/13/20 01:43	10
Methyl acetate	ND		25	13	ug/L			01/13/20 01:43	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/13/20 01:43	10
Methylcyclohexane	ND		10	1.6	ug/L			01/13/20 01:43	10
Methylene Chloride	ND		10	4.4	ug/L			01/13/20 01:43	10
Styrene	ND		10	7.3	ug/L			01/13/20 01:43	10
Tetrachloroethene	ND		10	3.6	ug/L			01/13/20 01:43	10
Toluene	**5.3**	**J**	10	5.1	ug/L			01/13/20 01:43	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/13/20 01:43	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/13/20 01:43	10
Trichloroethene	ND		10	4.6	ug/L			01/13/20 01:43	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/13/20 01:43	10
Vinyl chloride	ND		10	9.0	ug/L			01/13/20 01:43	10
Xylenes, Total	ND		20	6.6	ug/L			01/13/20 01:43	10

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-3
Lab Sample ID: 480-165026-12
Date Collected: 01/06/20 12:50
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*01/13/20 01:43*	*10*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*01/13/20 01:43*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/13/20 01:43*	*10*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*01/13/20 01:43*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	61.1		1.0	0.43	mg/L			01/12/20 02:51	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-4
Date Collected: 01/06/20 13:00
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/13/20 02:08	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/13/20 02:08	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/13/20 02:08	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/13/20 02:08	10
1,1-Dichloroethane	**12**		10	3.8	ug/L			01/13/20 02:08	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/13/20 02:08	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/13/20 02:08	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/13/20 02:08	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/13/20 02:08	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/13/20 02:08	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/13/20 02:08	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/13/20 02:08	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/13/20 02:08	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/13/20 02:08	10
2-Butanone (MEK)	ND		100	13	ug/L			01/13/20 02:08	10
2-Hexanone	ND		50	12	ug/L			01/13/20 02:08	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/13/20 02:08	10
Acetone	ND		100	30	ug/L			01/13/20 02:08	10
Benzene	ND		10	4.1	ug/L			01/13/20 02:08	10
Bromodichloromethane	ND		10	3.9	ug/L			01/13/20 02:08	10
Bromoform	ND		10	2.6	ug/L			01/13/20 02:08	10
Bromomethane	ND		10	6.9	ug/L			01/13/20 02:08	10
Carbon disulfide	ND		10	1.9	ug/L			01/13/20 02:08	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/13/20 02:08	10
Chlorobenzene	ND		10	7.5	ug/L			01/13/20 02:08	10
Chloroethane	ND		10	3.2	ug/L			01/13/20 02:08	10
Chloroform	ND		10	3.4	ug/L			01/13/20 02:08	10
Chloromethane	ND		10	3.5	ug/L			01/13/20 02:08	10
cis-1,2-Dichloroethene	**92**		10	8.1	ug/L			01/13/20 02:08	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/13/20 02:08	10
Cyclohexane	ND		10	1.8	ug/L			01/13/20 02:08	10
Dibromochloromethane	ND		10	3.2	ug/L			01/13/20 02:08	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/13/20 02:08	10
Ethylbenzene	ND		10	7.4	ug/L			01/13/20 02:08	10
Isopropylbenzene	ND		10	7.9	ug/L			01/13/20 02:08	10
Methyl acetate	ND		25	13	ug/L			01/13/20 02:08	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/13/20 02:08	10
Methylcyclohexane	ND		10	1.6	ug/L			01/13/20 02:08	10
Methylene Chloride	ND		10	4.4	ug/L			01/13/20 02:08	10
Styrene	ND		10	7.3	ug/L			01/13/20 02:08	10
Tetrachloroethene	ND		10	3.6	ug/L			01/13/20 02:08	10
Toluene	ND		10	5.1	ug/L			01/13/20 02:08	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/13/20 02:08	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/13/20 02:08	10
Trichloroethene	**6.2**	**J**	10	4.6	ug/L			01/13/20 02:08	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/13/20 02:08	10
Vinyl chloride	**39**		10	9.0	ug/L			01/13/20 02:08	10
Xylenes, Total	ND		20	6.6	ug/L			01/13/20 02:08	10

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-4
Date Collected: 01/06/20 13:00
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-13
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*01/13/20 02:08*	*10*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/13/20 02:08*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/13/20 02:08*	*10*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*01/13/20 02:08*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	18.9		1.0	0.43	mg/L			01/12/20 03:18	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-5
Lab Sample ID: 480-165026-14
Date Collected: 01/06/20 13:10
Matrix: Water
Date Received: 01/10/20 07:35

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/13/20 02:32	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/13/20 02:32	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/13/20 02:32	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/13/20 02:32	10
1,1-Dichloroethane	ND		10	3.8	ug/L			01/13/20 02:32	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/13/20 02:32	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/13/20 02:32	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/13/20 02:32	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/13/20 02:32	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/13/20 02:32	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/13/20 02:32	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/13/20 02:32	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/13/20 02:32	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/13/20 02:32	10
2-Butanone (MEK)	ND		100	13	ug/L			01/13/20 02:32	10
2-Hexanone	ND		50	12	ug/L			01/13/20 02:32	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/13/20 02:32	10
Acetone	ND		100	30	ug/L			01/13/20 02:32	10
Benzene	ND		10	4.1	ug/L			01/13/20 02:32	10
Bromodichloromethane	ND		10	3.9	ug/L			01/13/20 02:32	10
Bromoform	ND		10	2.6	ug/L			01/13/20 02:32	10
Bromomethane	ND		10	6.9	ug/L			01/13/20 02:32	10
Carbon disulfide	ND		10	1.9	ug/L			01/13/20 02:32	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/13/20 02:32	10
Chlorobenzene	ND		10	7.5	ug/L			01/13/20 02:32	10
Chloroethane	**46**		10	3.2	ug/L			01/13/20 02:32	10
Chloroform	ND		10	3.4	ug/L			01/13/20 02:32	10
Chloromethane	ND		10	3.5	ug/L			01/13/20 02:32	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			01/13/20 02:32	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/13/20 02:32	10
Cyclohexane	ND		10	1.8	ug/L			01/13/20 02:32	10
Dibromochloromethane	ND		10	3.2	ug/L			01/13/20 02:32	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/13/20 02:32	10
Ethylbenzene	ND		10	7.4	ug/L			01/13/20 02:32	10
Isopropylbenzene	ND		10	7.9	ug/L			01/13/20 02:32	10
Methyl acetate	ND		25	13	ug/L			01/13/20 02:32	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/13/20 02:32	10
Methylcyclohexane	ND		10	1.6	ug/L			01/13/20 02:32	10
Methylene Chloride	ND		10	4.4	ug/L			01/13/20 02:32	10
Styrene	ND		10	7.3	ug/L			01/13/20 02:32	10
Tetrachloroethene	ND		10	3.6	ug/L			01/13/20 02:32	10
Toluene	ND		10	5.1	ug/L			01/13/20 02:32	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/13/20 02:32	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/13/20 02:32	10
Trichloroethene	ND		10	4.6	ug/L			01/13/20 02:32	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/13/20 02:32	10
Vinyl chloride	ND		10	9.0	ug/L			01/13/20 02:32	10
Xylenes, Total	ND		20	6.6	ug/L			01/13/20 02:32	10

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-5
Date Collected: 01/06/20 13:10
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-14
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*01/13/20 02:32*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*01/13/20 02:32*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/13/20 02:32*	*10*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*01/13/20 02:32*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	72.4		1.0	0.43	mg/L			01/12/20 05:38	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-6
Lab Sample ID: 480-165026-15
Date Collected: 01/06/20 13:20
Matrix: Water
Date Received: 01/10/20 07:35

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/13/20 02:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/13/20 02:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/13/20 02:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/13/20 02:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/13/20 02:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/13/20 02:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/13/20 02:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/13/20 02:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/13/20 02:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/13/20 02:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/13/20 02:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/13/20 02:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/13/20 02:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/13/20 02:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/13/20 02:56	1
2-Hexanone	ND		5.0	1.2	ug/L			01/13/20 02:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/13/20 02:56	1
Acetone	ND		10	3.0	ug/L			01/13/20 02:56	1
Benzene	ND		1.0	0.41	ug/L			01/13/20 02:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/13/20 02:56	1
Bromoform	ND		1.0	0.26	ug/L			01/13/20 02:56	1
Bromomethane	ND		1.0	0.69	ug/L			01/13/20 02:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/13/20 02:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/13/20 02:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/13/20 02:56	1
Chloroethane	ND		1.0	0.32	ug/L			01/13/20 02:56	1
Chloroform	ND		1.0	0.34	ug/L			01/13/20 02:56	1
Chloromethane	ND		1.0	0.35	ug/L			01/13/20 02:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/13/20 02:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/13/20 02:56	1
Cyclohexane	ND		1.0	0.18	ug/L			01/13/20 02:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/13/20 02:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/13/20 02:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/20 02:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/13/20 02:56	1
Methyl acetate	ND		2.5	1.3	ug/L			01/13/20 02:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/13/20 02:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/13/20 02:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/13/20 02:56	1
Styrene	ND		1.0	0.73	ug/L			01/13/20 02:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/13/20 02:56	1
Toluene	ND		1.0	0.51	ug/L			01/13/20 02:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/13/20 02:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/13/20 02:56	1
Trichloroethene	ND		1.0	0.46	ug/L			01/13/20 02:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/13/20 02:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/13/20 02:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/20 02:56	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-6

Date Collected: 01/06/20 13:20
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-15

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*01/13/20 02:56*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*01/13/20 02:56*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/13/20 02:56*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*01/13/20 02:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	5.0		1.0	0.43	mg/L			01/12/20 06:33	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-7
Lab Sample ID: 480-165026-16
Date Collected: 01/06/20 13:30
Matrix: Water
Date Received: 01/10/20 07:35

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			01/13/20 03:20	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			01/13/20 03:20	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			01/13/20 03:20	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			01/13/20 03:20	40
1,1-Dichloroethane	ND		40	15	ug/L			01/13/20 03:20	40
1,1-Dichloroethene	ND		40	12	ug/L			01/13/20 03:20	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			01/13/20 03:20	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			01/13/20 03:20	40
1,2-Dibromoethane	ND		40	29	ug/L			01/13/20 03:20	40
1,2-Dichlorobenzene	ND		40	32	ug/L			01/13/20 03:20	40
1,2-Dichloroethane	ND		40	8.4	ug/L			01/13/20 03:20	40
1,2-Dichloropropane	ND		40	29	ug/L			01/13/20 03:20	40
1,3-Dichlorobenzene	ND		40	31	ug/L			01/13/20 03:20	40
1,4-Dichlorobenzene	ND		40	34	ug/L			01/13/20 03:20	40
2-Butanone (MEK)	ND		400	53	ug/L			01/13/20 03:20	40
2-Hexanone	ND		200	50	ug/L			01/13/20 03:20	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			01/13/20 03:20	40
Acetone	ND		400	120	ug/L			01/13/20 03:20	40
Benzene	ND		40	16	ug/L			01/13/20 03:20	40
Bromodichloromethane	ND		40	16	ug/L			01/13/20 03:20	40
Bromoform	ND		40	10	ug/L			01/13/20 03:20	40
Bromomethane	ND		40	28	ug/L			01/13/20 03:20	40
Carbon disulfide	ND		40	7.6	ug/L			01/13/20 03:20	40
Carbon tetrachloride	ND		40	11	ug/L			01/13/20 03:20	40
Chlorobenzene	ND		40	30	ug/L			01/13/20 03:20	40
Chloroethane	**13**	**J**	40	13	ug/L			01/13/20 03:20	40
Chloroform	ND		40	14	ug/L			01/13/20 03:20	40
Chloromethane	ND		40	14	ug/L			01/13/20 03:20	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			01/13/20 03:20	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			01/13/20 03:20	40
Cyclohexane	ND		40	7.2	ug/L			01/13/20 03:20	40
Dibromochloromethane	ND		40	13	ug/L			01/13/20 03:20	40
Dichlorodifluoromethane	ND		40	27	ug/L			01/13/20 03:20	40
Ethylbenzene	ND		40	30	ug/L			01/13/20 03:20	40
Isopropylbenzene	ND		40	32	ug/L			01/13/20 03:20	40
Methyl acetate	ND		100	52	ug/L			01/13/20 03:20	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			01/13/20 03:20	40
Methylcyclohexane	ND		40	6.4	ug/L			01/13/20 03:20	40
Methylene Chloride	ND		40	18	ug/L			01/13/20 03:20	40
Styrene	ND		40	29	ug/L			01/13/20 03:20	40
Tetrachloroethene	ND		40	14	ug/L			01/13/20 03:20	40
Toluene	ND		40	20	ug/L			01/13/20 03:20	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			01/13/20 03:20	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			01/13/20 03:20	40
Trichloroethene	ND		40	18	ug/L			01/13/20 03:20	40
Trichlorofluoromethane	ND		40	35	ug/L			01/13/20 03:20	40
Vinyl chloride	ND		40	36	ug/L			01/13/20 03:20	40
Xylenes, Total	ND		80	26	ug/L			01/13/20 03:20	40

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-7
Lab Sample ID: 480-165026-16
Date Collected: 01/06/20 13:30
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*01/13/20 03:20*	*40*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*01/13/20 03:20*	*40*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/13/20 03:20*	*40*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/13/20 03:20*	*40*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	81.4		1.0	0.43	mg/L			01/12/20 07:29	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-8
Date Collected: 01/06/20 13:40
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-17
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			01/13/20 03:44	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			01/13/20 03:44	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			01/13/20 03:44	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			01/13/20 03:44	20
1,1-Dichloroethane	ND		20	7.6	ug/L			01/13/20 03:44	20
1,1-Dichloroethene	ND		20	5.8	ug/L			01/13/20 03:44	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			01/13/20 03:44	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			01/13/20 03:44	20
1,2-Dibromoethane	ND		20	15	ug/L			01/13/20 03:44	20
1,2-Dichlorobenzene	ND		20	16	ug/L			01/13/20 03:44	20
1,2-Dichloroethane	ND		20	4.2	ug/L			01/13/20 03:44	20
1,2-Dichloropropane	ND		20	14	ug/L			01/13/20 03:44	20
1,3-Dichlorobenzene	ND		20	16	ug/L			01/13/20 03:44	20
1,4-Dichlorobenzene	ND		20	17	ug/L			01/13/20 03:44	20
2-Butanone (MEK)	ND		200	26	ug/L			01/13/20 03:44	20
2-Hexanone	ND		100	25	ug/L			01/13/20 03:44	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			01/13/20 03:44	20
Acetone	ND		200	60	ug/L			01/13/20 03:44	20
Benzene	ND		20	8.2	ug/L			01/13/20 03:44	20
Bromodichloromethane	ND		20	7.8	ug/L			01/13/20 03:44	20
Bromoform	ND		20	5.2	ug/L			01/13/20 03:44	20
Bromomethane	ND		20	14	ug/L			01/13/20 03:44	20
Carbon disulfide	ND		20	3.8	ug/L			01/13/20 03:44	20
Carbon tetrachloride	ND		20	5.4	ug/L			01/13/20 03:44	20
Chlorobenzene	ND		20	15	ug/L			01/13/20 03:44	20
Chloroethane	**7.0**	**J**	20	6.4	ug/L			01/13/20 03:44	20
Chloroform	ND		20	6.8	ug/L			01/13/20 03:44	20
Chloromethane	ND		20	7.0	ug/L			01/13/20 03:44	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			01/13/20 03:44	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			01/13/20 03:44	20
Cyclohexane	ND		20	3.6	ug/L			01/13/20 03:44	20
Dibromochloromethane	ND		20	6.4	ug/L			01/13/20 03:44	20
Dichlorodifluoromethane	ND		20	14	ug/L			01/13/20 03:44	20
Ethylbenzene	ND		20	15	ug/L			01/13/20 03:44	20
Isopropylbenzene	ND		20	16	ug/L			01/13/20 03:44	20
Methyl acetate	ND		50	26	ug/L			01/13/20 03:44	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			01/13/20 03:44	20
Methylcyclohexane	ND		20	3.2	ug/L			01/13/20 03:44	20
Methylene Chloride	ND		20	8.8	ug/L			01/13/20 03:44	20
Styrene	ND		20	15	ug/L			01/13/20 03:44	20
Tetrachloroethene	ND		20	7.2	ug/L			01/13/20 03:44	20
Toluene	ND		20	10	ug/L			01/13/20 03:44	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			01/13/20 03:44	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			01/13/20 03:44	20
Trichloroethene	ND		20	9.2	ug/L			01/13/20 03:44	20
Trichlorofluoromethane	ND		20	18	ug/L			01/13/20 03:44	20
Vinyl chloride	ND		20	18	ug/L			01/13/20 03:44	20
Xylenes, Total	ND		40	13	ug/L			01/13/20 03:44	20

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: DPE-8
Date Collected: 01/06/20 13:40
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-17
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*01/13/20 03:44*	*20*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*01/13/20 03:44*	*20*
Toluene-d8 (Surr)	*107*		*80 - 120*		*01/13/20 03:44*	*20*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*01/13/20 03:44*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	38.0		1.0	0.43	mg/L			01/12/20 07:58	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: GWCT
Lab Sample ID: 480-165026-18
Date Collected: 01/06/20 13:50
Matrix: Water
Date Received: 01/10/20 07:35

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/13/20 04:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/13/20 04:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/13/20 04:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/13/20 04:08	1
1,1-Dichloroethane	**0.45**	**J**	1.0	0.38	ug/L			01/13/20 04:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/13/20 04:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/13/20 04:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/13/20 04:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/13/20 04:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/13/20 04:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/13/20 04:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/13/20 04:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/13/20 04:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/13/20 04:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/13/20 04:08	1
2-Hexanone	ND		5.0	1.2	ug/L			01/13/20 04:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/13/20 04:08	1
Acetone	ND		10	3.0	ug/L			01/13/20 04:08	1
Benzene	ND		1.0	0.41	ug/L			01/13/20 04:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/13/20 04:08	1
Bromoform	ND		1.0	0.26	ug/L			01/13/20 04:08	1
Bromomethane	ND		1.0	0.69	ug/L			01/13/20 04:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/13/20 04:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/13/20 04:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/13/20 04:08	1
Chloroethane	**34**		1.0	0.32	ug/L			01/13/20 04:08	1
Chloroform	ND		1.0	0.34	ug/L			01/13/20 04:08	1
Chloromethane	ND		1.0	0.35	ug/L			01/13/20 04:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/13/20 04:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/13/20 04:08	1
Cyclohexane	ND		1.0	0.18	ug/L			01/13/20 04:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/13/20 04:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/13/20 04:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/20 04:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/13/20 04:08	1
Methyl acetate	ND		2.5	1.3	ug/L			01/13/20 04:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/13/20 04:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/13/20 04:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/13/20 04:08	1
Styrene	ND		1.0	0.73	ug/L			01/13/20 04:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/13/20 04:08	1
Toluene	ND		1.0	0.51	ug/L			01/13/20 04:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/13/20 04:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/13/20 04:08	1
Trichloroethene	ND		1.0	0.46	ug/L			01/13/20 04:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/13/20 04:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/13/20 04:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/20 04:08	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: GWCT
Date Collected: 01/06/20 13:50
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-18
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*01/13/20 04:08*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/13/20 04:08*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/13/20 04:08*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*01/13/20 04:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.2		1.0	0.43	mg/L			01/12/20 08:26	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Duplicate
Lab Sample ID: 480-165026-19
Date Collected: 01/07/20 14:45
Matrix: Water
Date Received: 01/10/20 07:35

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/13/20 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/13/20 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/13/20 13:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/13/20 13:33	1
1,1-Dichloroethane	**0.69**	**J**	1.0	0.38	ug/L			01/13/20 13:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/13/20 13:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/13/20 13:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/13/20 13:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/13/20 13:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/13/20 13:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/13/20 13:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/13/20 13:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/13/20 13:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/13/20 13:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/13/20 13:33	1
2-Hexanone	ND		5.0	1.2	ug/L			01/13/20 13:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/13/20 13:33	1
Acetone	ND		10	3.0	ug/L			01/13/20 13:33	1
Benzene	ND		1.0	0.41	ug/L			01/13/20 13:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/13/20 13:33	1
Bromoform	ND		1.0	0.26	ug/L			01/13/20 13:33	1
Bromomethane	ND		1.0	0.69	ug/L			01/13/20 13:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/13/20 13:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/13/20 13:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/13/20 13:33	1
Chloroethane	ND		1.0	0.32	ug/L			01/13/20 13:33	1
Chloroform	ND		1.0	0.34	ug/L			01/13/20 13:33	1
Chloromethane	ND		1.0	0.35	ug/L			01/13/20 13:33	1
cis-1,2-Dichloroethene	**1.5**		1.0	0.81	ug/L			01/13/20 13:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/13/20 13:33	1
Cyclohexane	ND		1.0	0.18	ug/L			01/13/20 13:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/13/20 13:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/13/20 13:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/20 13:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/13/20 13:33	1
Methyl acetate	ND		2.5	1.3	ug/L			01/13/20 13:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/13/20 13:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/13/20 13:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/13/20 13:33	1
Styrene	ND		1.0	0.73	ug/L			01/13/20 13:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/13/20 13:33	1
Toluene	ND		1.0	0.51	ug/L			01/13/20 13:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/13/20 13:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/13/20 13:33	1
Trichloroethene	ND		1.0	0.46	ug/L			01/13/20 13:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/13/20 13:33	1
Vinyl chloride	**1.7**		1.0	0.90	ug/L			01/13/20 13:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/20 13:33	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: Duplicate
Date Collected: 01/07/20 14:45
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-19
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*01/13/20 13:33*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*01/13/20 13:33*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/13/20 13:33*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/13/20 13:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.4		1.0	0.43	mg/L			01/12/20 08:54	1

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-165026-1

Client Sample ID: Rinse Blank
Date Collected: 01/09/20 13:45
Date Received: 01/10/20 07:35

Lab Sample ID: 480-165026-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/13/20 13:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/13/20 13:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/13/20 13:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/13/20 13:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/13/20 13:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/13/20 13:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/13/20 13:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/13/20 13:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/13/20 13:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/13/20 13:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/13/20 13:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/13/20 13:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/13/20 13:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/13/20 13:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/13/20 13:57	1
2-Hexanone	ND		5.0	1.2	ug/L			01/13/20 13:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/13/20 13:57	1
Acetone	ND		10	3.0	ug/L			01/13/20 13:57	1
Benzene	ND		1.0	0.41	ug/L			01/13/20 13:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/13/20 13:57	1
Bromoform	ND		1.0	0.26	ug/L			01/13/20 13:57	1
Bromomethane	ND		1.0	0.69	ug/L			01/13/20 13:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/13/20 13:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/13/20 13:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/13/20 13:57	1
Chloroethane	ND		1.0	0.32	ug/L			01/13/20 13:57	1
Chloroform	ND		1.0	0.34	ug/L			01/13/20 13:57	1
Chloromethane	ND		1.0	0.35	ug/L			01/13/20 13:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/13/20 13:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/13/20 13:57	1
Cyclohexane	ND		1.0	0.18	ug/L			01/13/20 13:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/13/20 13:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/13/20 13:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/20 13:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/13/20 13:57	1
Methyl acetate	ND		2.5	1.3	ug/L			01/13/20 13:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/13/20 13:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/13/20 13:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/13/20 13:57	1
Styrene	ND		1.0	0.73	ug/L			01/13/20 13:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/13/20 13:57	1
Toluene	ND		1.0	0.51	ug/L			01/13/20 13:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/13/20 13:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/13/20 13:57	1
Trichloroethene	ND		1.0	0.46	ug/L			01/13/20 13:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/13/20 13:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/13/20 13:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/20 13:57	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Rinse Blank
Lab Sample ID: 480-165026-20
Date Collected: 01/09/20 13:45
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*01/13/20 13:57*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*01/13/20 13:57*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/13/20 13:57*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*01/13/20 13:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			01/12/20 10:18	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Trip Blank
Lab Sample ID: 480-165026-21
Date Collected: 01/09/20 14:00
Matrix: Water
Date Received: 01/10/20 07:35

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/13/20 14:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/13/20 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/13/20 14:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/13/20 14:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/13/20 14:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/13/20 14:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/13/20 14:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/13/20 14:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/13/20 14:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/13/20 14:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/13/20 14:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/13/20 14:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/13/20 14:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/13/20 14:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/13/20 14:21	1
2-Hexanone	ND		5.0	1.2	ug/L			01/13/20 14:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/13/20 14:21	1
Acetone	ND		10	3.0	ug/L			01/13/20 14:21	1
Benzene	ND		1.0	0.41	ug/L			01/13/20 14:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/13/20 14:21	1
Bromoform	ND		1.0	0.26	ug/L			01/13/20 14:21	1
Bromomethane	ND		1.0	0.69	ug/L			01/13/20 14:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/13/20 14:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/13/20 14:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/13/20 14:21	1
Chloroethane	ND		1.0	0.32	ug/L			01/13/20 14:21	1
Chloroform	ND		1.0	0.34	ug/L			01/13/20 14:21	1
Chloromethane	ND		1.0	0.35	ug/L			01/13/20 14:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/13/20 14:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/13/20 14:21	1
Cyclohexane	ND		1.0	0.18	ug/L			01/13/20 14:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/13/20 14:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/13/20 14:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/20 14:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/13/20 14:21	1
Methyl acetate	ND		2.5	1.3	ug/L			01/13/20 14:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/13/20 14:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/13/20 14:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/13/20 14:21	1
Styrene	ND		1.0	0.73	ug/L			01/13/20 14:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/13/20 14:21	1
Toluene	ND		1.0	0.51	ug/L			01/13/20 14:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/13/20 14:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/13/20 14:21	1
Trichloroethene	ND		1.0	0.46	ug/L			01/13/20 14:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/13/20 14:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/13/20 14:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/20 14:21	1

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Trip Blank
Lab Sample ID: 480-165026-21
Date Collected: 01/09/20 14:00
Matrix: Water
Date Received: 01/10/20 07:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		01/13/20 14:21	1
4-Bromofluorobenzene (Surr)	104		73 - 120		01/13/20 14:21	1
Toluene-d8 (Surr)	101		80 - 120		01/13/20 14:21	1
Dibromofluoromethane (Surr)	102		75 - 123		01/13/20 14:21	1

Lab Chronicle

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-2
Lab Sample ID: 480-165026-1
Date Collected: 01/07/20 13:37
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513292	01/12/20 21:17	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/11/20 18:25	CLA	TAL BUF

Client Sample ID: MW-4
Lab Sample ID: 480-165026-2
Date Collected: 01/08/20 10:25
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	513292	01/12/20 21:42	S1V	TAL BUF
Total/NA	Analysis	9060A		20	513536	01/11/20 19:20	CLA	TAL BUF

Client Sample ID: MW-8R
Lab Sample ID: 480-165026-3
Date Collected: 01/08/20 14:57
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	513292	01/12/20 22:06	S1V	TAL BUF
Total/NA	Analysis	9060A		8	513536	01/11/20 20:17	CLA	TAL BUF

Client Sample ID: MW-3
Lab Sample ID: 480-165026-4
Date Collected: 01/07/20 15:48
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513292	01/12/20 22:30	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/11/20 21:13	CLA	TAL BUF

Client Sample ID: MW-11
Lab Sample ID: 480-165026-5
Date Collected: 01/07/20 14:40
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513417	01/14/20 00:49	OMI	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/11/20 21:41	CLA	TAL BUF

Client Sample ID: MW-13S
Lab Sample ID: 480-165026-6
Date Collected: 01/08/20 10:50
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513292	01/12/20 23:18	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513839	01/15/20 23:56	CLA	TAL BUF

Lab Chronicle

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-13D
Lab Sample ID: 480-165026-7
Date Collected: 01/08/20 11:55
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513417	01/14/20 01:13	OMI	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 00:02	CLA	TAL BUF

Client Sample ID: MW-16S
Lab Sample ID: 480-165026-8
Date Collected: 01/09/20 11:45
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1000	513292	01/13/20 00:07	S1V	TAL BUF
Total/NA	Analysis	9060A		10	513536	01/12/20 00:58	CLA	TAL BUF

Client Sample ID: MW-16D
Lab Sample ID: 480-165026-9
Date Collected: 01/09/20 12:37
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513292	01/13/20 00:31	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 01:26	CLA	TAL BUF

Client Sample ID: DPE-1
Lab Sample ID: 480-165026-10
Date Collected: 01/06/20 12:30
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	513292	01/13/20 00:55	S1V	TAL BUF
Total/NA	Analysis	9060A		5	513839	01/16/20 00:26	CLA	TAL BUF

Client Sample ID: DPE-2
Lab Sample ID: 480-165026-11
Date Collected: 01/06/20 12:40
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513292	01/13/20 01:19	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 02:23	CLA	TAL BUF

Client Sample ID: DPE-3
Lab Sample ID: 480-165026-12
Date Collected: 01/06/20 12:50
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	513292	01/13/20 01:43	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 02:51	CLA	TAL BUF

Lab Chronicle

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-4
Lab Sample ID: 480-165026-13
Date Collected: 01/06/20 13:00
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	513292	01/13/20 02:08	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 03:18	CLA	TAL BUF

Client Sample ID: DPE-5
Lab Sample ID: 480-165026-14
Date Collected: 01/06/20 13:10
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	513292	01/13/20 02:32	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 05:38	CLA	TAL BUF

Client Sample ID: DPE-6
Lab Sample ID: 480-165026-15
Date Collected: 01/06/20 13:20
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513292	01/13/20 02:56	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 06:33	CLA	TAL BUF

Client Sample ID: DPE-7
Lab Sample ID: 480-165026-16
Date Collected: 01/06/20 13:30
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	513292	01/13/20 03:20	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 07:29	CLA	TAL BUF

Client Sample ID: DPE-8
Lab Sample ID: 480-165026-17
Date Collected: 01/06/20 13:40
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	513292	01/13/20 03:44	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 07:58	CLA	TAL BUF

Client Sample ID: GWCT
Lab Sample ID: 480-165026-18
Date Collected: 01/06/20 13:50
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513292	01/13/20 04:08	S1V	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 08:26	CLA	TAL BUF

Lab Chronicle

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Duplicate
Lab Sample ID: 480-165026-19
Date Collected: 01/07/20 14:45
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513331	01/13/20 13:33	CDC	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 08:54	CLA	TAL BUF

Client Sample ID: Rinse Blank
Lab Sample ID: 480-165026-20
Date Collected: 01/09/20 13:45
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513331	01/13/20 13:57	CDC	TAL BUF
Total/NA	Analysis	9060A		1	513536	01/12/20 10:18	CLA	TAL BUF

Client Sample ID: Trip Blank
Lab Sample ID: 480-165026-21
Date Collected: 01/09/20 14:00
Matrix: Water
Date Received: 01/10/20 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513331	01/13/20 14:21	CDC	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: AECOM
Job ID: 480-165026-1
Project/Site: Scott Figgie West of Plant 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-165026-1	MW-2	Water	01/07/20 13:37	01/10/20 07:35	
480-165026-2	MW-4	Water	01/08/20 10:25	01/10/20 07:35	
480-165026-3	MW-8R	Water	01/08/20 14:57	01/10/20 07:35	
480-165026-4	MW-3	Water	01/07/20 15:48	01/10/20 07:35	
480-165026-5	MW-11	Water	01/07/20 14:40	01/10/20 07:35	
480-165026-6	MW-13S	Water	01/08/20 10:50	01/10/20 07:35	
480-165026-7	MW-13D	Water	01/08/20 11:55	01/10/20 07:35	
480-165026-8	MW-16S	Water	01/09/20 11:45	01/10/20 07:35	
480-165026-9	MW-16D	Water	01/09/20 12:37	01/10/20 07:35	
480-165026-10	DPE-1	Water	01/06/20 12:30	01/10/20 07:35	
480-165026-11	DPE-2	Water	01/06/20 12:40	01/10/20 07:35	
480-165026-12	DPE-3	Water	01/06/20 12:50	01/10/20 07:35	
480-165026-13	DPE-4	Water	01/06/20 13:00	01/10/20 07:35	
480-165026-14	DPE-5	Water	01/06/20 13:10	01/10/20 07:35	
480-165026-15	DPE-6	Water	01/06/20 13:20	01/10/20 07:35	
480-165026-16	DPE-7	Water	01/06/20 13:30	01/10/20 07:35	
480-165026-17	DPE-8	Water	01/06/20 13:40	01/10/20 07:35	
480-165026-18	GWCT	Water	01/06/20 13:50	01/10/20 07:35	
480-165026-19	Duplicate	Water	01/07/20 14:45	01/10/20 07:35	
480-165026-20	Rinse Blank	Water	01/09/20 13:45	01/10/20 07:35	
480-165026-21	Trip Blank	Water	01/09/20 14:00	01/10/20 07:35	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-165026-1

Login Number: 165026

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Sean P. Connelly	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-139805-3450.1
Client Contact: Mr. Dino Zack	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 2
Company: AECOM				Job #:

Address: 257 West Genesee Street Suite 400	Due Date Requested:
City: Buffalo	TAT Requested (days): STANDARD
State, Zip: NY, 14202-2657	PO #: Purchase Order not requir
Phone:	WO #:
Email: dino.zack@aecom.com	Project #: 48002539
Project Name: Scott Aviation site	SSOW#:
Site: New York	

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, M - Hexane, N - None, O - AsNaO2

480-165026 Chain of Custody

hydrate

y)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	9060A - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Number of co	Special Instructions/Note:
			Preservation Code:				A	A	A		
MW-2	1/7/20	1337	G	Water	N	N	3	2			
MW-4	1/8/20	1025	~~G~~	Water	N	N	3	2			
MW-8R	1/8/20	1457	G	Water	N	N	3	2			
MW-3	1/7/20	1548	G	Water	N	N	3	2			
MW-11	1/7/20	1440	G	Water	N	N	3	2			
MW-13S	1/8/20	1050	G	Water	N	N	3	2			
MW-13D	1/8/20	1155	G	Water	N	N	3	2			
MW-16S	1/9/20	1145	G	Water	N	N	3	2			
MW-16D	1/7/20	1737	G	Water	N	N	3	2			
DPE-1	1/6/20	1230	G	Water	N	N	3	2			
DPE-2	1/6/20	1240	G	Water	N	N	3	2			

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Sean P. Connelly	Date/Time: 1/10/20 C 0734	Company: Aecom	Received by: C Wallace	Date/Time: 1/10/20 0735	Company: TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

1/22/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-139805-3450.2
Client Contact: Mr. Dino Zack	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2
Company: AECOM				Job #:

Address: 257 West Genesee Street Suite 400	Due Date Requested:
City: Buffalo	TAT Requested (days): STANDARD
State, Zip: NY, 14202-2657	
Phone:	PO #: Purchase Order not requir
Email: dino.zack@aecom.com	WO #:
Project Name: Scott Aviation site	Project #: 48002539
Site: New York	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	9060A - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A		
DPE-3	1/6/20	1250	G	Water	N	N	3	2			
DPE-4	1/6/20	1300	G	Water	N	N	3	2			
DPE-5	1/6/20	1310	G	Water	N	N	3	2			
DPE-6	1/6/20	1320	G	Water	N	N	3	2			
DPE-7	1/6/20	1330	G	Water	N	N	3	2			
DPE-8	1/6/20	1340	G	Water	N	N	3	2			
GWCT	1/6/20	1350	G	Water	N	N	3	2			
DUPLICATE	1/7/20	1445	G	Water	N	N	3	2			
RINSE BLANK	1/9/20	1345	G	Water	N	N		2	3		
Trip Blank	1/9/20	1400	G	Water	N	N			2		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1/10/20 @ 0735	Aecom	Cwallace	1/10/20 0735	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.8

Ver: 01/16/2019

Appendix D

Current and Historical Summary of VOCs in Groundwater

MONITORING WELL MW-2
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

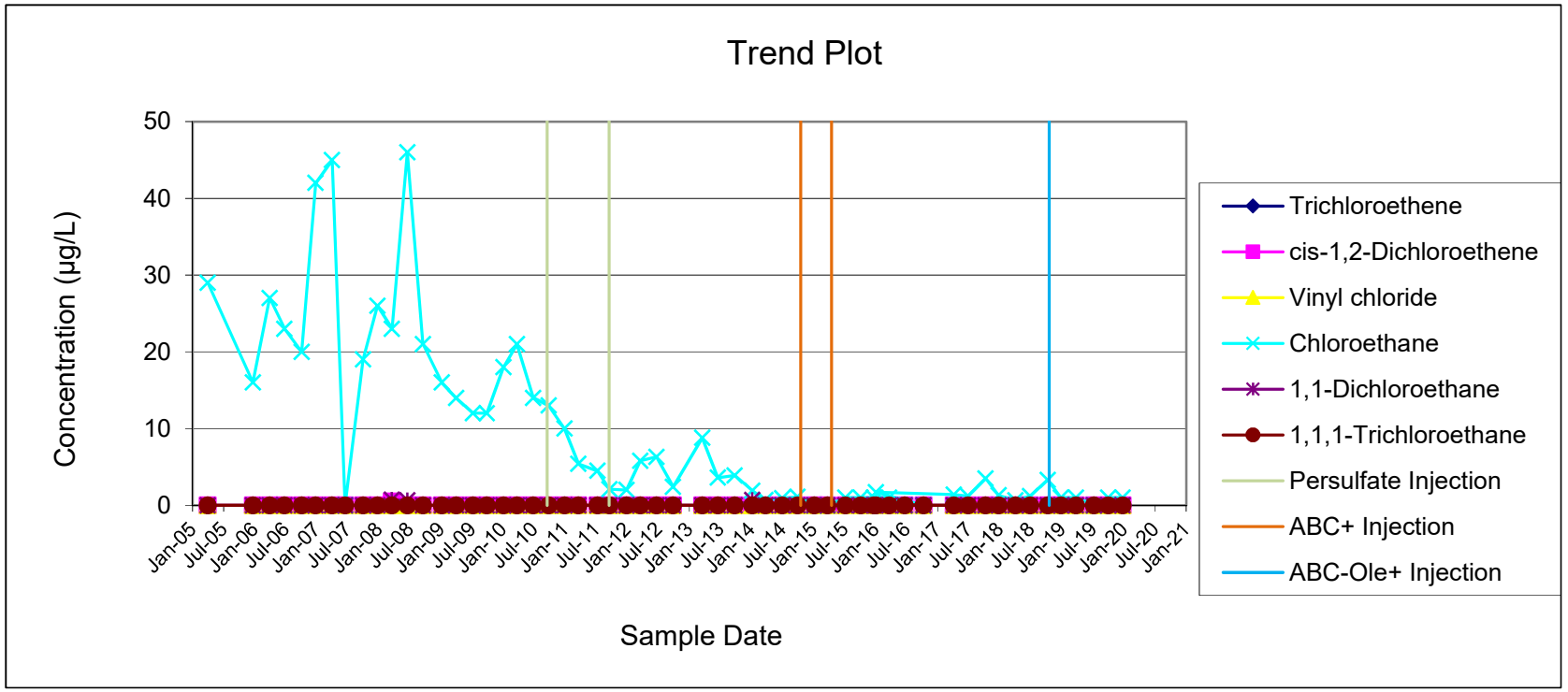
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	1	< 5
7/1/2008	< 5	< 5	< 5	46	0.65	< 5
10/1/2008	< 5	< 5	< 5	21	<5	< 5
1/20/2009	< 5	< 5	< 5	16	<5	< 5
4/15/2009	< 5	< 5	< 5	14	<5	< 5
7/22/2009	< 5	< 5	< 5	12	<5	< 5
10/12/2009	< 5	< 5	< 5	12	<5	< 5
1/18/2010	< 25	< 25	< 25	18	< 25	< 25
4/7/2010	< 25	< 25	< 25	21	< 25	< 25
7/12/2010	< 25	< 25	< 25	14	< 25	< 25
10/11/2010	< 25	< 25	< 25	13	< 25	< 25
1/12/2011	<1	<1	<1	10	<1	<1
4/4/2011	<1	<1	<1	5.4	<1	<1
7/25/2011	<1	<1	<1	4.5	<1	<1
10/3/2011	<1	<1	<1	2.1	<1	<1
1/11/2012	<1	<1	<1	2	<1	<1
4/2/2012	<1	<1	<1	5.8	<1	<1
7/5/2012	<1	<1	<1	6.3	<1	<1
10/11/2012	<1	<1	<1	2.4	<1	<1
4/1/2013	<1	<1	<1	8.8	<1	<1
7/1/2013	<1	<1	<1	3.6	<1	<1
10/9/2013	<1	<1	<1	3.9	<1	<1
1/21/2014	<1	<1	<1	1.9	0.67	<1
4/7/2014	<1	<1	<1	0.68	<1	<1
7/16/2014	<1	<1	<1	0.94	<1	<1
10/14/2014	<1	<1	<1	1.1	<1	<1
1/20/2015	<5	<5	<5	<5	<5	<5
4/7/2015	<5	<5	<5	<5	<5	<5
7/22/2015	<1	<1	<1	1	<1	<1
10/19/2015	<1	<1	<1	1	<1	<1
1/5/2016	<1	<1	<1	1	<1	<1
4/4/2016	<1	<1	<1	1	<1	<1
7/5/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2016	<1	<1	<1	1.7	<1	<1
4/20/2017	<1	<1	<1	1.4	<1	<1
7/12/2017	<1	<1	<1	1.2	<1	<1
10/23/2017	<1	<1	<1	3.5	<1	<1
1/8/2018	<1	<1	<1	1.3	<1	<1
4/17/2018	<1	<1	<1	0.65	<1	<1
7/13/2018	<1	<1	<1	1.2	<1	<1
10/24/2018	<1	<1	<1	3.3	<1	<1
1/9/2019	<1	<1	<1	1	<1	<1
4/8/2019	<1	<1	<1	1	<1	<1
7/23/2019	<2	<2	<2	<2	<2	<2
10/15/2019	<1	<1	<1	1	<1	<1
1/7/2020	<1	<1	<1	1	<1	<1

MONITORING WELL MW-2

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



Note TCE data from 10/11/10 was reported in error as 350 µg/L and cis-1,2-DCE was reported as 25 µg/L.

MONITORING WELL MW-3
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

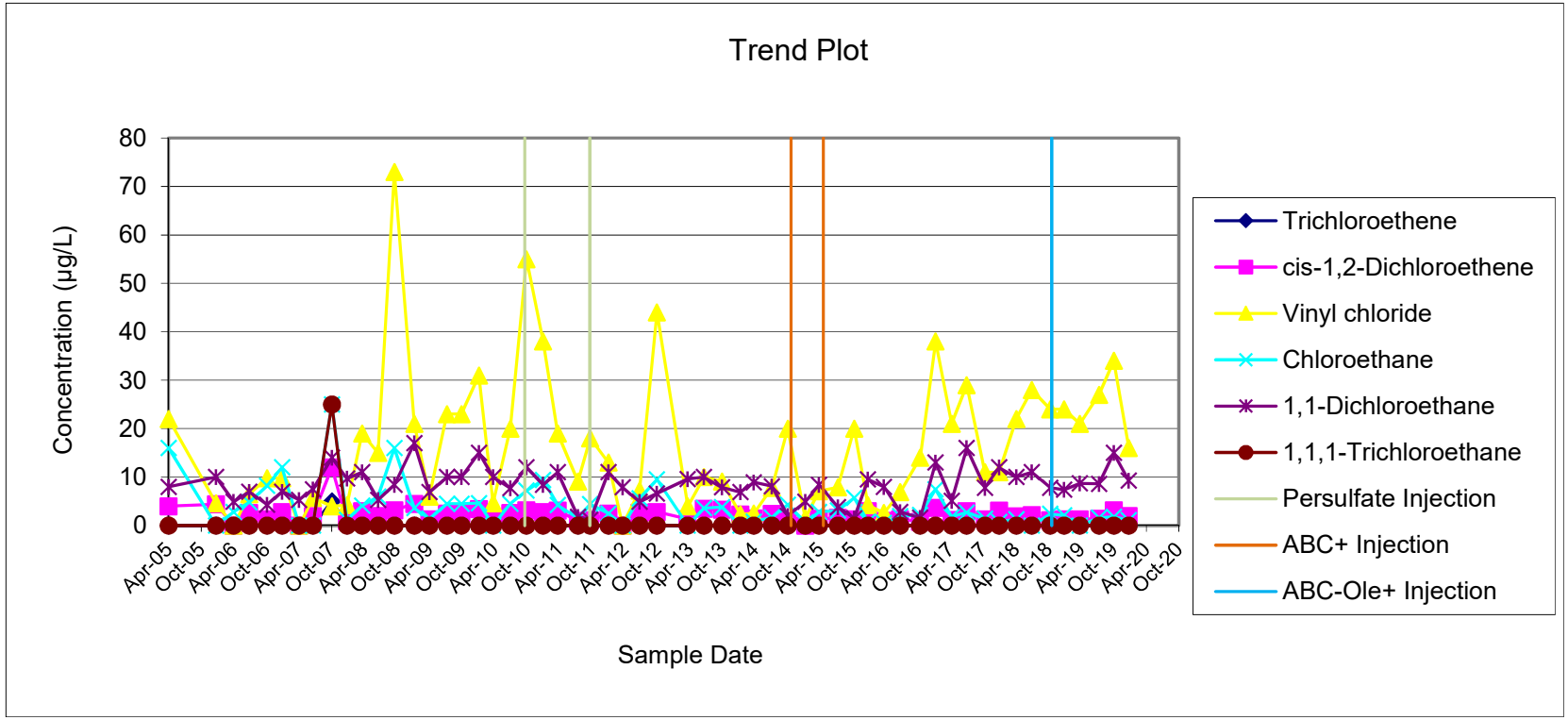
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4	22	16	8	<10
1/5/2006	< 25	4.4	4.6	< 25	10	< 25
4/14/2006	< 25	< 25	< 25	2.8	4.9	< 25
7/10/2006	< 25	2.6	6.5	4.8	7	< 25
10/18/2006	< 5	1.3	9.8	8.2	4.3	< 5
1/10/2007	< 5	2.8	9.8	12	7	< 5
4/16/2007	< 20	< 20	< 20	< 20	5.3	< 20
7/2/2007	< 5	2	5.7	< 5	7.5	< 5
10/17/2007	5	12	4	25	14	25
1/9/2008	< 5	0.9	4.2	1.2	9.7	<5
4/3/2008	<5	3	19	4.1	11	<5
7/1/2008	<5	2	15	6	5.3	<5
10/1/2008	<5	3.2	73	16	8.4	<5
1/21/2009	<5	4.5	21	3.6	17	<5
4/15/2009	<5	1.3	6	1.4	6.9	<5
7/22/2009	<5	2.5	23	4.5	10	<5
10/12/2009	<5	2.5	23	4.5	10	<5
1/18/2010	<5	3.4	31	4.6	15	<5
4/7/2010	<5	1.7	4.6	<5	10	<5
7/13/2010	<5	2.6	20	4.5	7.7	<5
10/11/2010	<5	3.2	55	7.2	12	<5
1/12/2011	<1	2.8	38	9.4	8.4	<1
4/4/2011	<1	3.1	19	4.2	11	<1
7/26/2011	<1	0.98	9.1	1.5	1.8	<1
10/3/2011	<1	1.1	18	4.4	1.2	<1
1/13/2012	<1	2.5	13	2.5	11	<1
4/2/2012	<1	<1	<1	<1	7.9	<1
7/5/2012	<1	2.7	7.2	5.6	4.9	<1
10/11/2012	<1	2.8	44	9.5	6.6	<1
4/1/2013	<1	1.3	4	<1	9.6	<1
7/1/2013	<1	3.5	10	3.6	10	<1
10/10/2013	<1	3.3	9.1	3.8	7.9	<1
1/21/2014	<1	2.3	2.3	<1	6.9	<1
4/7/2014	<1	1.5	2.5	0.82	8.9	<1
7/17/2014	<1	2.4	7.8	1.7	8.1	<1
10/14/2014	<1	0.93	20	4.3	2	<1
1/20/2015	<1	<1	1.5	0.64	4.9	<1
4/7/2015	<1	1.4	7.1	2.8	8.4	<1
7/22/2015	<1	1.6	7.9	3.1	3.8	<1
10/21/2015	<1	1.3	20	5.7	1.5	<1
1/6/2016	<1	3	4.2	0.83	9.5	<1
4/5/2016	<1	0.98	2.6	0.58	8	<1
7/5/2016	<1	1.3	6.9	1.9	2.8	<1
10/25/2016	<1	0.81	14	2.2	1.6	<1
1/19/2017	<1	3.7	38	7.5	13	<1
4/20/2017	<1	1.2	21	1.8	5.1	<1
7/12/2017	<1	3.0	29	2.7	16	<1
10/23/2017	<1	1.3	11	1.4	7.8	<1
1/10/2018	<1	3.1	11	0.72	12	<1
4/17/2018	<1	1.9	22	1.3	10	<1
7/13/2018	<1	2.2	28	<1	11	<1
10/24/2018	<1	1.1	24	2.4	7.8	<1
1/9/2019	<1	1.3	24	2.1	7.4	<1
4/8/2019	<1	1.3	21	<1	8.7	<1
7/24/2019	<1	1.4	27	1.6	8.6	<1
10/15/2019	<1	3.2	34	1.8	15	<1
1/7/2020	<1	2.0	16	1.1	9.3	<1

MONITORING WELL MW-3

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



MONITORING WELL MW-4
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

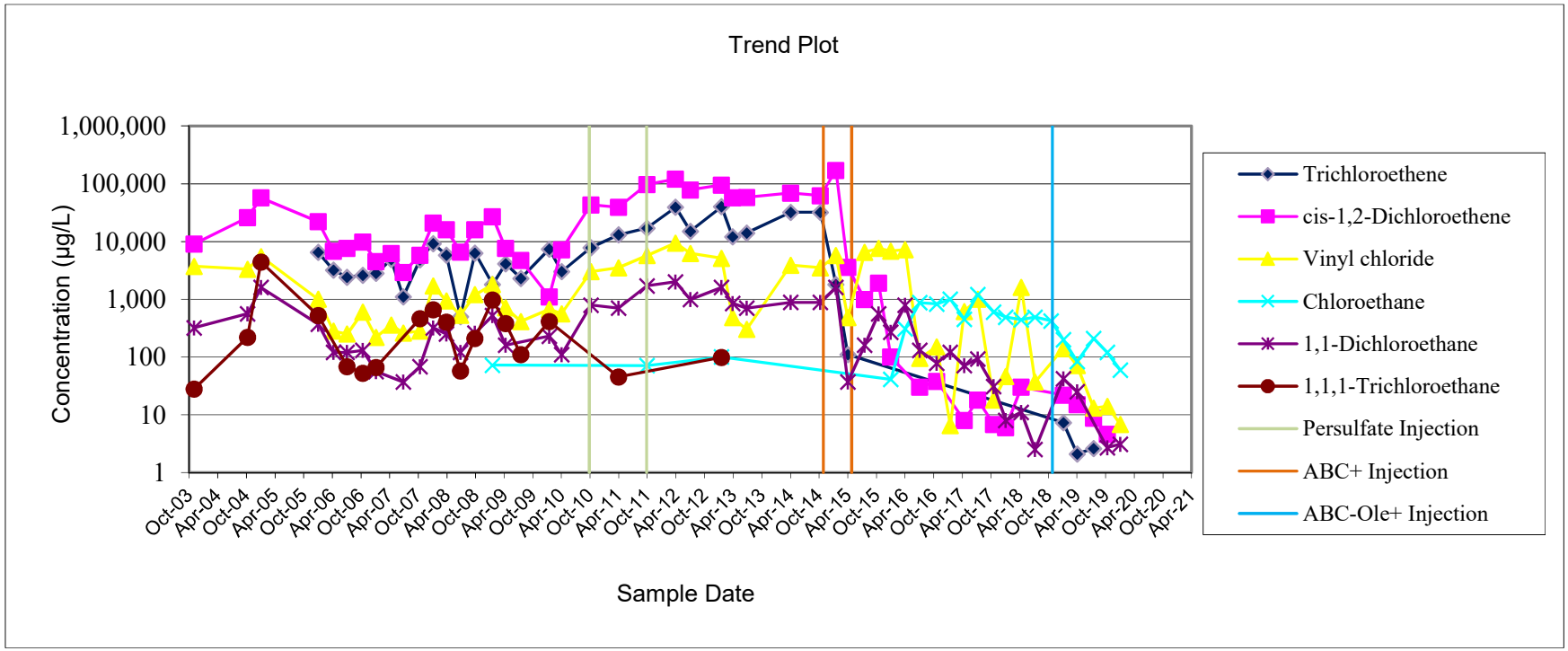
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	22,000	1,000	< 2000	370	520
4/14/2006	3,200	6,800	280	<500	120	<500
7/10/2006	2,400	7,600	250	<500	120	68
10/18/2006	2,600	9,800	600	<5	130	52
1/10/2007	2,800	4,500	220	<400	56	66
4/17/2007	4,900	6,200	360	<500	<500	<500
7/3/2007	1,100	2,900	260	<200	37	<200
10/17/2007	4,800	5,800	280	<500	68	460
1/9/2008	9,200	21,000	1,700	<500	320	660
4/3/2008	5,800	16,000	940	<1200	250	400
7/2/2008	500	6,600	530	<500	120	57
10/2/2008	6,300	16,000	1,200	<500	260	210
1/22/2009	1,800	27,000	1,800	72	520	970
4/15/2009	4,100	7,600	710	<200	160	380
7/22/2009	2,300	4,700	410	<250	<250	110
1/19/2010	7,400	1,100	670	<1000	230	410
4/8/2010	3,000	7,200	560	<500	110	<500
10/11/2010	7,800	43,000	3,000	<4,000	790	<4,000
4/6/2011	13,000	39,000	3,500	<40	700	45
10/4/2011	17,000	97,000	5,700	71	1700	<1
4/3/2012	39,000	120,000	9,400	<200	2000	<200
7/6/2012	15,000	78,000	6,200	<1000	990	<1000
1/21/2013	40,000	95,000	5,100	100	1600	98
4/2/2013	12,000	57,000	480	<40	850	<40
7/1/2013	14,000	58,000	300	<100	700	<100
4/7/2014	32,000	69,000	3,900	<1000	880	<1000
10/14/2014	32,000	62,000	3,500	<1000	880	<1000
1/21/2015	1,800	170,000	5700	<1,000	1,600	<1000
4/7/2015	110	3,600	480	<80	37	<80
7/23/2015	<100	990	6500	<100	160	<100
10/20/2015	<100	1,900	7600	<100	560	<100
1/6/2016	<100	100	6800	41	270	<100
4/6/2016	<100	<100	7200	310	790	<100
7/8/2016	<20	30	95	870	130	<20
10/25/2016	<20	38	150	830	78	<20
1/19/2017	<20	<20	7	1,000	120	<20
4/18/2017	<5	8	610	450	71	<5
7/13/2017	<20	18	1,000	1,200	93	<20
10/23/2017	<20	7	18	600	31	<20
1/8/2018	<5	6	46	490	8	<5
4/17/2018	<20	30	1,600	440	11	<20
7/13/2018	<5	<5	37	490	2.5	<5
10/24/2018	<20	<20	<20	420	<20	<20
1/10/2019	7.3	22	140	200	42	<4
4/8/2019	2.1	15	71	84	25	<4
7/22/2019	2.6	9	13	210	<4	<4
10/17/2019	<4	4.6	14	120	2.7	<4
1/8/2020	<4	<4	6.8	59	3.1	<4

MONITORING WELL MW-4

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

MONITORING WELL MW-6
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	< 10	< 10	< 10	< 10	< 10	< 6
10/12/2004	< 10	< 10	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/14/2005	< 10	< 10	< 10	< 10	< 10	< 10
7/21/2005	< 5	< 5	< 5	< 5	< 5	< 5
10/4/2005	< 5	< 5	< 5	< 5	< 5	< 5
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/10/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	0.63	1.4	< 5	< 5	< 5	< 5
1/8/2008	<5	<5	<5	< 5	< 5	< 5
4/3/2008	<5	0.42	<5	<5	<5	<5
7/1/2008	<5	<5	<5	<5	<5	<5
10/1/2008	<5	<5	<5	<5	<5	<5
1/20/2009	<5	<5	<5	<5	<5	<5
4/15/2009	<5	<5	<5	<5	<5	<5
7/21/2009	<5	<5	<5	<5	<5	<5
10/13/2009	<5	<5	<5	<5	<5	<5
1/18/2010	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
7/13/2010	<5	<5	<5	<5	<5	<5
10/11/2010	<5	<5	<5	<5	<5	<5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1
10/14/2014	<1	<1	<1	<1	<1	<1
1/20/2015	<1	<1	<1	<1	<1	<1
4/6/2015	<1	<1	<1	<1	<1	<1
7/23/2015	<1	<1	<1	<1	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/6/2016	<1	<1	<1	<1	<1	<1
4/4/2016	<1	<1	<1	<1	<1	<1
7/7/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2017	<1	<1	<1	<1	<1	<1
4/19/2017	<1	<1	<1	<1	<1	<1
7/12/2017	<1	<1	<1	<1	<1	<1
10/20/2017	<1	<1	0.44	<1	<1	<1
1/8/2018	<1	<1	<1	<1	<1	<1

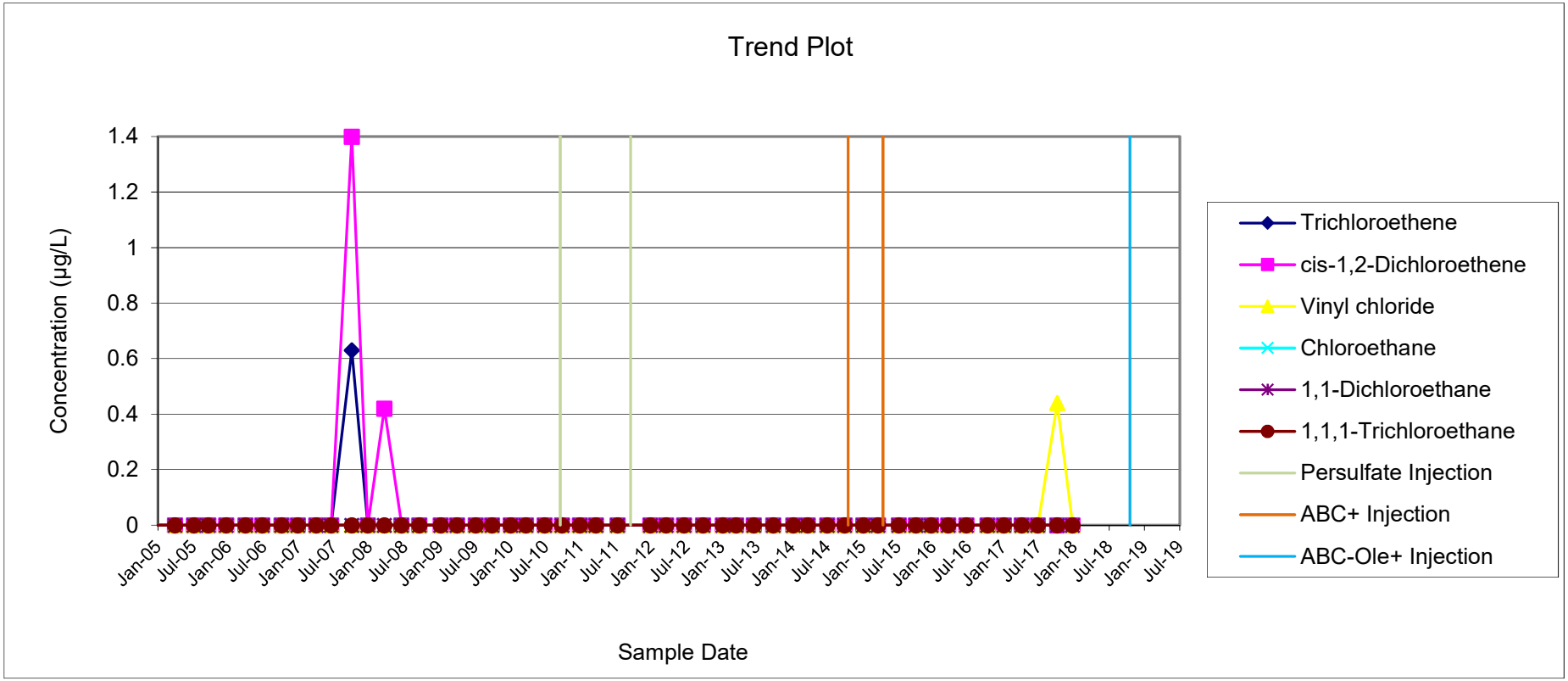
Note well was decommissioned following the January 2018 sampling event.

MONITORING WELL MW-6

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



MONITORING WELL MW-8R
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/13/2004	35,000	22,000	3,400	160	< 5,000	810
1/7/2005	23,000	28,000	4,000	< 2,000	1,100	1,300
4/14/2005	15,000	11,000	1,300	380	360	240
7/21/2005	9,200	6,200	600	390	200	52
10/5/2005	13,000	10,000	830	< 1,000	300	<1,000
1/6/2006	42,000	38,000	2,300	150	1100	820
4/14/2006	14,000	7,400	1,200	220	200	< 1,000
7/10/2006	16,000	13,000	2,200	300	320	< 1,000
10/18/2006	13,000	8,900	1,400	300	200	32
1/10/2007	1,600	2,500	120	24	52	26
4/17/2007	19,000	11,000	670	< 1,000	< 1,000	< 1,000
7/3/2007	29,000	12,000	890	< 1,000	290	< 1,000
10/15/2007	2,200	1,600	60	< 200	33	< 200
1/8/2008	38,000	22,000	2,000	76	620	740
4/3/2008	12,000	8,100	820	77	140	72
7/2/2008	7,400	6,000	790	100	130	72
10/2/2008	22,000	15,000	1,200	70	320	340
1/22/2009	8,400	4,600	510	56	76	<100
4/15/2009	13,000	6,800	700	49	99	27
10/13/2009	13,000	6,800	700	49	99	27
4/8/2010	2,500	1,300	84	<100	19	<100
7/12/2010	19,000	14,000	1,000	64	160	<100
1/12/2011	99,000	54,000	2,500	<2000	<2000	<2000
4/6/2011	89,000	49,000	2,500	<800	470	<800
7/26/2011	36,000	26,000	<800	80	510	1.2
10/4/2011	33,000	21,000	<400	<400	560	<400
1/13/2012	99,000	56,000	2,700	<800	520	<800
4/3/2012	99,000	54,000	2,600	<2000	<2000	<2000
10/12/2012	89,000	48,000	2,000	<800	340	<800
4/2/2013	64,000	37,000	1,900	<1000	<1000	<1000
10/10/2013	100,000	57,000	2,700	<1000	<1000	<1000
4/7/2014	100,000	56,000	1,900	<1000	<1000	<1000
7/17/2014	110,000	58,000	2,300	<1000	<1000	<1000
1/21/2015	2,100	54,000	<2000	<2000	<2000	<2000
4/6/2015	<2000	55,000	8,500	<2000	<2000	<2000
7/23/2015	<200	74,000	26,000	<200	<200	<200
10/21/2015	<25	240	2,400	39	290	<25
1/6/2016	<1,000	21,000	12,000	<1,000	<1,000	<1,000
4/6/2016	<1,000	19,000	26,000	<1,000	<1,000	<1,000
7/8/2016	24	530	820	<20	160	<20
10/25/2016	<100	710	4,700	<100	170	<100
1/17/2017	<100	24,000	18,000	<100	200	<100
4/18/2017	14	7,100	7,500	35	86	<50
7/13/2017	<400	<400	840	<400	<400	<400
10/24/2017	7.7	500	1,200	19	54	<10
4/18/2018	13	5,700	4,300	44	53	<20
7/13/2018	<10	30	190	47	9.8	<10
10/24/2018	<10	<10	<10	38	5.0	<10
1/10/2019	12	2,700	1,900	17	36	<10
4/8/2019	<40	880	1,900	<40	39	<40
7/22/2019	<8	290	270	20	12	<8
10/15/2019	<10	370	620	24	19	<10
1/8/2020	<10	110	230	22	9.9	<10

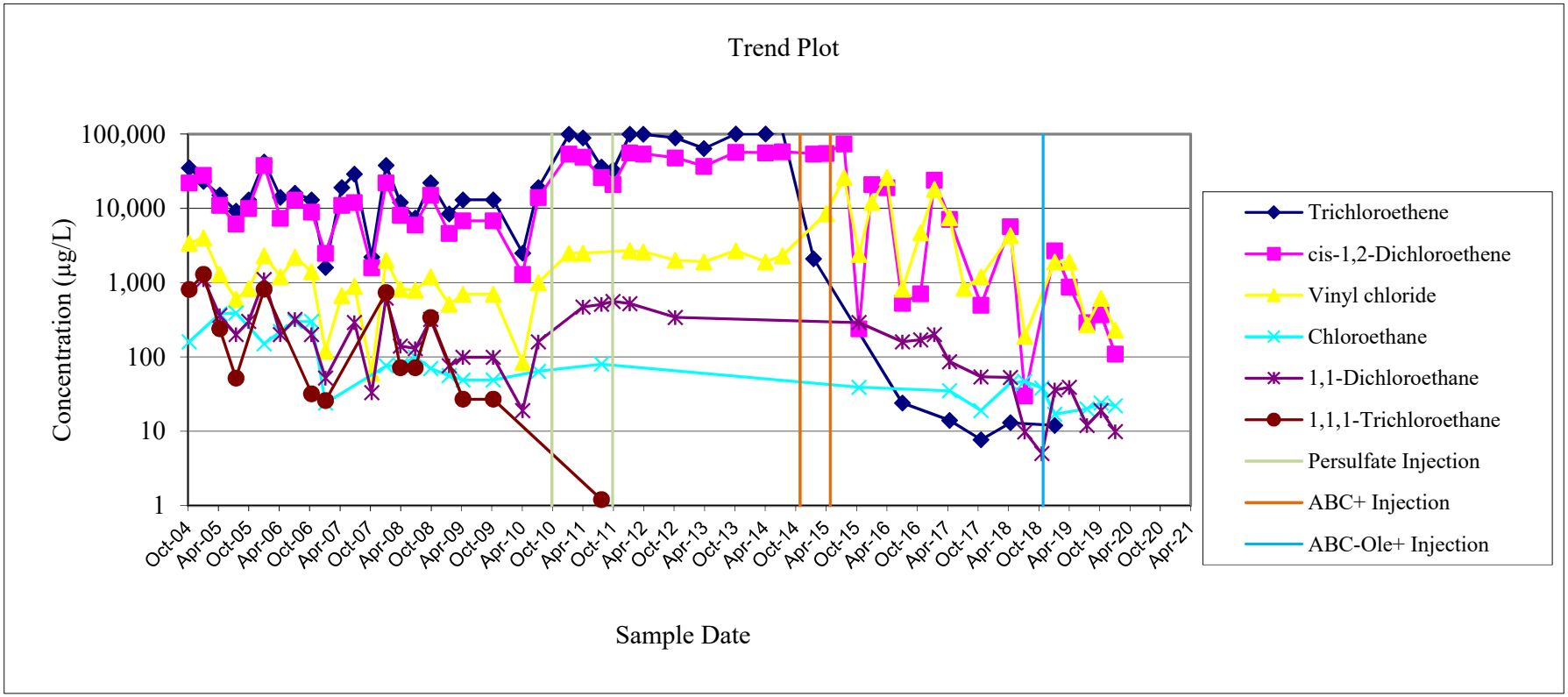
Note well was not accessable during the January 2018 sampling event.

MONITORING WELL MW-8R

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York

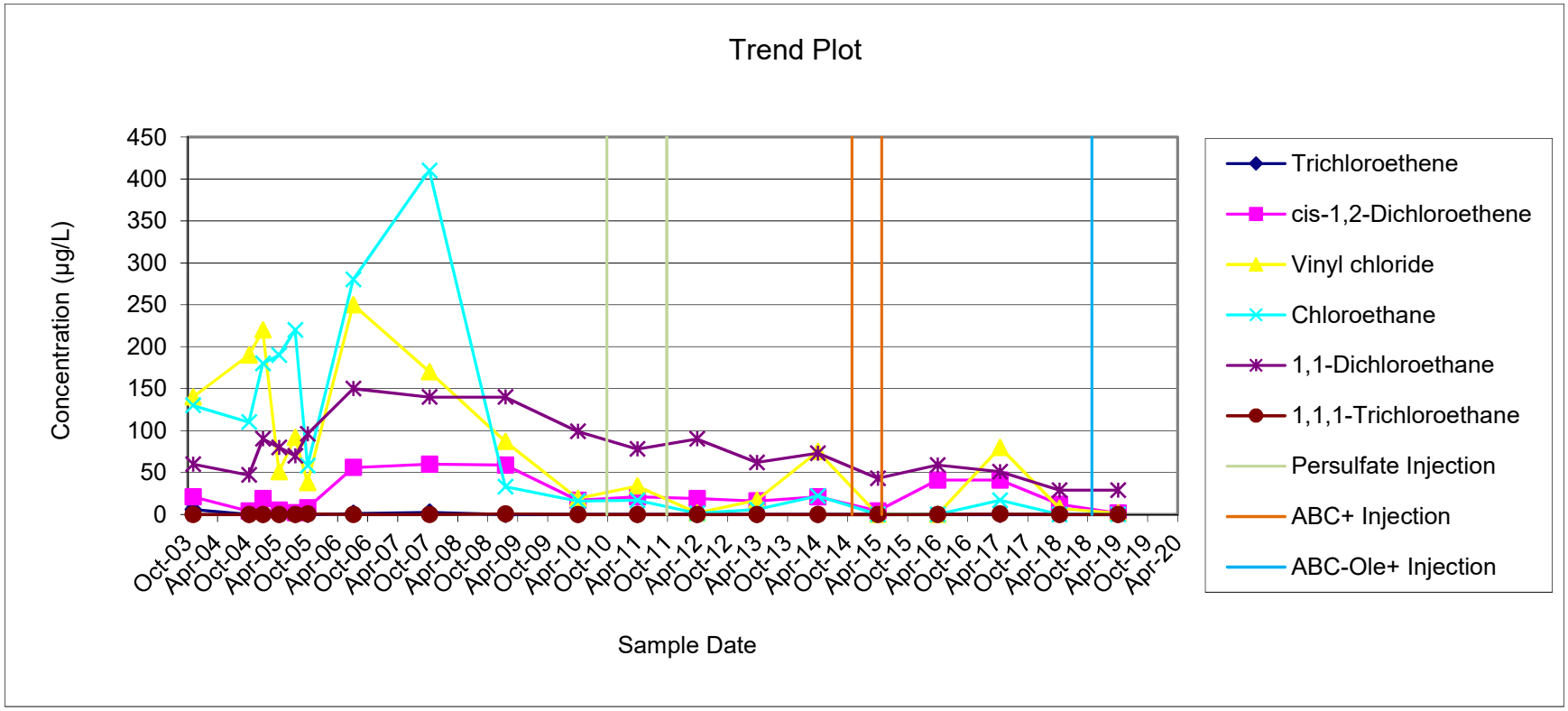


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

MONITORING WELL MW-9
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	6	21	140	130	60	< 10
10/13/2004	< 10	4	190	110	47	< 10
1/6/2005	< 10	19	220	180	90	< 10
4/14/2005	< 10	5	51	190	80	< 10
7/21/2005	< 5	2	92	220	70	< 5
10/5/2005	< 5	8	38	58	96	0.68
7/10/2006	1.3	56	250	280	150	< 5
10/17/2007	2.6	60	170	410	140	< 25
1/21/2009	<5	59	87	33	140	0.81
4/7/2010	<5	17	19	16	99	< 5
4/4/2011	<1	21	34	17	78	<1
4/2/2012	<1	19	1.8	1.5	90	<1
4/1/2013	<1	16	17	5.9	62	<1
4/7/2014	<1	21	75	22	73	<1
4/7/2015	<1	4.1	<1	<1	43	<1
4/5/2016	<1	41	<1	<1	59	<1
4/20/2017	<1	41	80	17	51	0.6
4/17/2018	<1	12	7.2	<1	29	<1
4/8/2019	<1	1.6	1.6	<1	29	<1

MONITORING WELL MW-9
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-10
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	< 10	< 10	<10
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/3/2008	< 5	< 5	< 5	< 5	< 5	< 5
7/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
10/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
1/20/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/15/2009	< 5	< 5	< 5	< 5	< 5	< 5
7/21/2009	< 5	< 5	< 5	< 5	< 5	< 5
10/13/2009	< 5	< 5	< 5	< 5	< 5	< 5
1/18/2010	< 5	< 5	< 5	< 5	< 5	< 5
4/7/2010	< 5	< 5	< 5	< 5	< 5	< 5
7/13/2010	< 5	< 5	< 5	< 5	< 5	< 5
10/11/2010	< 5	< 5	< 5	< 5	< 5	< 5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
10/3/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1
10/14/2014	<1	<1	<1	<1	<1	<1
1/20/2015	<1	<1	<1	<1	<1	<1
4/6/2015	<1	<1	<1	<1	<1	<1
7/23/2015	<1	<1	<1	<1	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/6/2016	<1	<1	<1	<1	<1	<1
4/4/2016	<1	<1	<1	<1	<1	<1
7/7/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2017	<1	<1	<1	<1	<1	<1
4/19/2017	<1	<1	<1	<1	<1	<1
7/12/2017	<1	<1	<1	<1	<1	<1
10/20/2017	<1	<1	<1	<1	<1	<1
1/8/2018	<1	<1	<1	<1	<1	<1
4/17/2018	<1	<1	<1	<1	<1	<1
7/13/2018	<1	<1	<1	<1	<1	<1

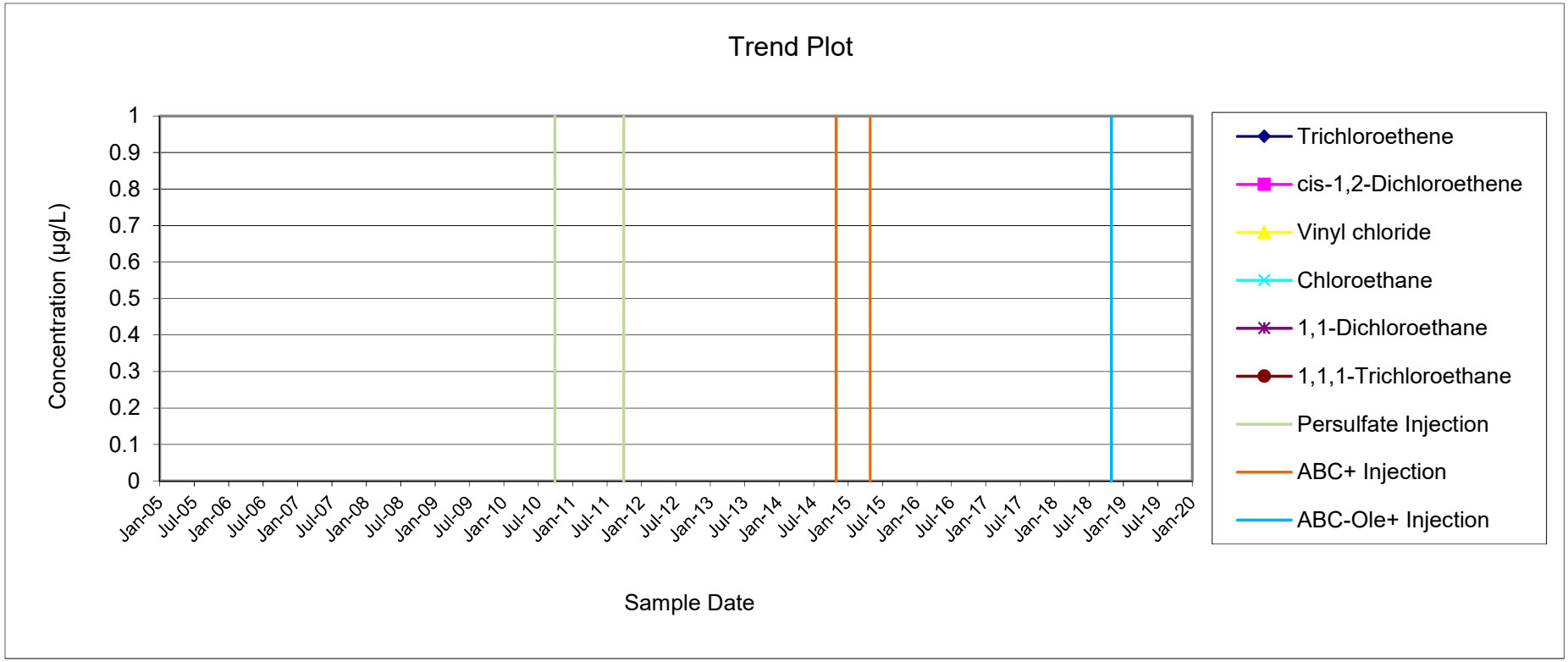
Note well was decommissioned following the July 2018 sampling event.

MONITORING WELL MW-10

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



MONITORING WELL MW-11
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

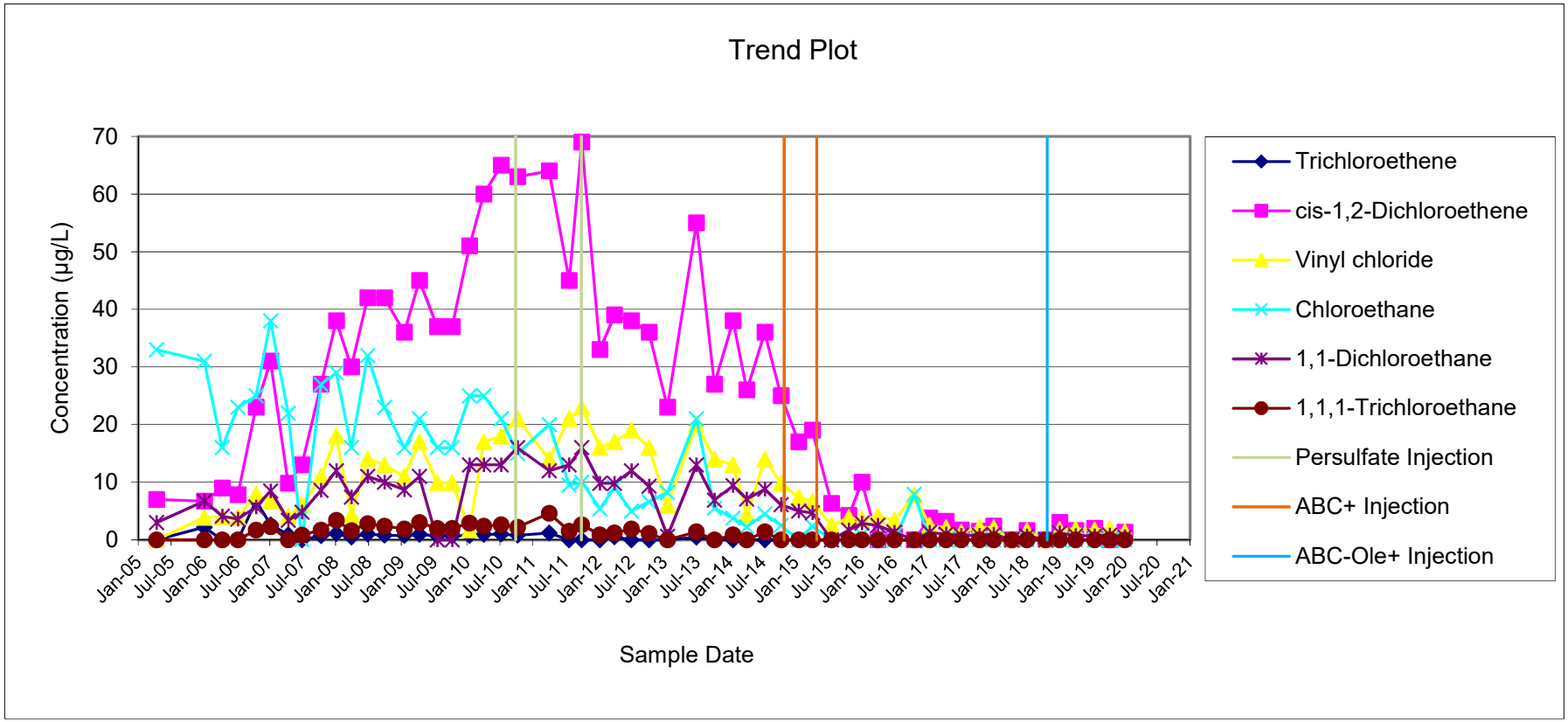
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7	< 10	33	3	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9	4	16	4.1	< 20
7/10/2006	< 20	7.8	3.9	23	3.6	< 20
10/19/2006	6.8	23	7.9	25	5.7	1.7
1/9/2007	2.6	31	6.7	38	8.5	2.3
4/16/2007	0.89	9.8	4.1	22	3.4	<5
7/2/2007	< 5	13	6.1	< 5	4.8	0.84
10/16/2007	0.71	27	11	27	8.6	1.7
1/8/2008	1.1	38	18	29	12	3.4
4/2/2008	0.49	30	4.3	16	7.4	1.6
7/1/2008	1	42	14	32	11	2.8
10/2/2008	0.81	42	13	23	10	2.4
1/20/2009	0.77	36	11	16	8.7	1.9
4/14/2009	0.95	45	17	21	11	3
7/22/2009	0.69	37	9.9	16	<5	2
10/13/2009	0.69	37	9.9	16	<5	2
1/18/2010	0.77	51	1.7	25	13	2.9
4/7/2010	0.95	60	17	25	13	2.4
7/12/2010	1	65	18	21	13	2.6
10/11/2010	0.8	63	21	15	16	2.2
4/5/2011	1.2	64	14	20	12	4.6
7/25/2011	<1	45	21	9.5	13	1.5
10/3/2011	<1	69	23	10	16	2.6
1/12/2012	<1	33	16	5.4	9.8	0.88
4/2/2012	0.51	39	17	9.1	9.8	1.2
7/5/2012	<1	38	19	5	12	1.9
10/11/2012	<1	36	16	6.6	9.3	1.1
1/21/2013	<1	23	6	8.2	0.64	<1
7/1/2013	0.46	55	20	21	13	1.4
10/9/2013	<1	27	14	5.5	6.9	<1
1/21/2014	<1	38	13	3.8	9.4	0.85
4/7/2014	<1	26	4.3	2.3	7.1	<1
7/16/2014	<1	36	14	4.5	8.8	1.4
10/14/2014	<1	25	9.8	2.5	6.1	<1
1/20/2015	<5	17	7.4	<5	5.0	<5
4/6/2015	<2	19	6.7	2.4	4.7	<2
7/22/2015	<1	6.3	2.5	<1	<1	<1
10/26/2015	<1	4.2	3.9	<1	1.7	<1
1/6/2016	<1	10	3.6	0.89	2.9	<1
4/4/2016	<1	<1	4.1	<1	2.5	<1
7/5/2016	<1	1.3	3.4	<1	1.3	<1
10/24/2016	<1	<1	7.7	7.9	<1	<1
1/17/2017	<1	3.8	2.5	<1	1.3	<1
4/18/2017	<1	3.2	2.1	<1	1	<1
7/12/2017	<1	1.7	1.3	<1	0.78	<1
10/20/2017	<1	1.5	2.2	<1	0.79	<1
1/8/2018	<1	2.4	2.1	<1	0.99	<1
4/18/2018	<2	<2	<2	<2	<2	<2
7/12/2018	<1	1.6	1.6	<1	0.68	<1
10/24/2018	<4	<4	<4	<4	<4	<4
1/9/2019	<1	3.0	1.8	<1	1.2	<1
4/8/2019	<1	1.6	1.9	<1	0.75	<1
7/23/2019	<1	2.0	1.7	<1	0.68	<1
10/15/2019	<1	<1	1.9	<1	0.82	<1
1/7/2020	<1	1.3	1.4	<1	0.54	<1

MONITORING WELL MW-11

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



MONITORING WELL MW-12
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/12/2004	13	3	24	52	4	< 10
1/6/2005	< 10	< 10	39	82	6	< 10
4/14/2005	< 10	< 10	5	170	4	< 10
7/21/2005	< 5	< 5	14	87	3	<
10/5/2005	< 5	< 5	1.2	78	0.43	< 5
1/5/2006	< 25	< 25	7.2	43	5.8	< 25
4/14/2006	< 25	< 25	6.3	28	6.9	< 25
7/10/2006	< 25	< 25	15	69	5	< 25
1/9/2007	< 5	< 5	0.83	38	< 5	< 5
4/16/2007	< 20	< 20	< 20	29	< 20	< 20
7/2/2007	< 5	< 5	45	82	4.6	< 5
10/15/2007	< 5	< 5	42	87	5.2	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	< 5	< 5	23	< 5	< 5
7/1/2008	< 5	< 5	0.64	14	0.55	< 5
10/1/2008	< 5	< 5	7.8	20	2.1	< 5
4/14/2009	<5	<5	6.8	23	<5	<5
7/22/2009	<5	<5	3.6	9.2	0.79	<5
10/12/2009	<5	<5	3.6	9.2	0.79	<5
1/18/2010	<5	<5	3.6	33	<5	<5
4/7/2010	<5	<5	< 5	23	<5	<5
7/13/2010	<5	<5	6.4	26	<5	<5
10/11/2010	<5	<5	8.1	33	<5	<5
1/12/2011	<1	<1	1.3	36	<1	<1
4/4/2011	<1	<1	1.1	22	<1	<1
7/26/2011	<1	<1	8.9	23	<1	<1
10/4/2011	<1	<1	3.9	21	<1	<1
1/12/2012	<1	<1	1.4	19	<1	<1
4/2/2012	<1	<1	<1	17	<1	<1
10/11/2012	<1	<1	2.1	20	0.49	<1
1/21/2013	<1	<1	<1	38	<1	<1
4/1/2013	<1	<1	1.1	22	<1	<1
7/1/2013	<1	<1	6.6	38	<1	<1
10/10/2013	<1	<1	0.95	16	<1	<1
4/7/2014	<1	<1	1.2	11	<1	<1
7/17/2014	<1	<1	3.3	9.4	<1	<1
10/14/2014	<1	<1	7.1	12	<1	<1
4/6/2015	<1	<1	7.2	11	<1	<1
7/23/2015	<1	<1	6.6	8.5	<1	<1
10/19/2015	<1	0.88	6.7	7.4	<1	<1
1/6/2016	<1	<1	1.5	9	<1	<1
4/5/2016	<5	<5	< 5	6.8	<5	<5
7/6/2016	<5	<5	9.4	4.7	<5	<5
10/24/2016	<1	<1	7.7	7.9	<1	<1
1/19/2017	<1	<1	6.5	13	<1	<1
4/18/2017	<1	0.36	2.6	6.2	<1	<1
7/12/2017	<1	<1	5.8	8.1	<1	<1
10/23/2017	<1	0.24	2.9	6.8	<1	<1
4/18/2018	<4	<4	<4	4.1	<4	<4
7/13/2018	<5	<5	6.1	9.1	<5	<5

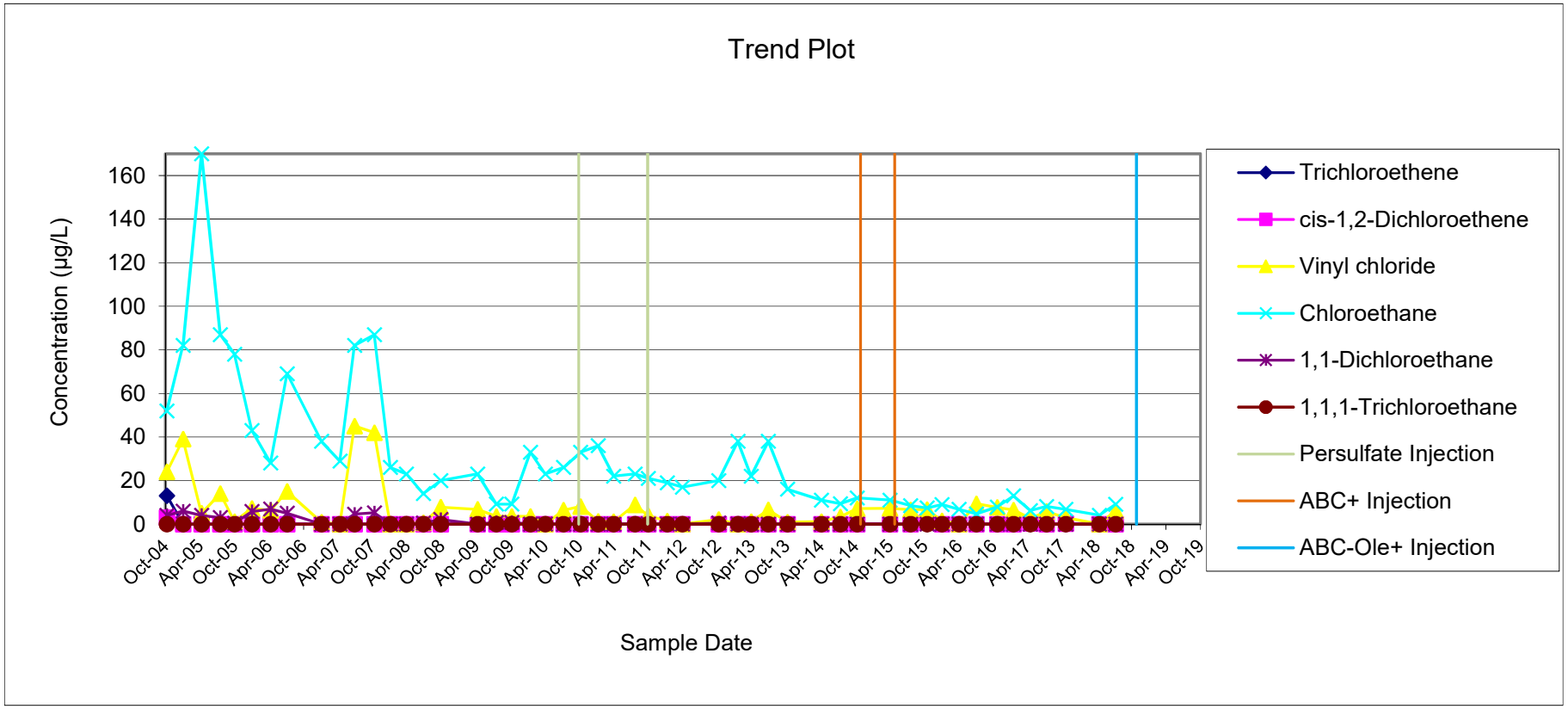
Note well was decommissioned following the July 2018 sampling event.

MONITORING WELL MW-12

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



PIEZOMETER MW-13S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	< 50	9	20
7/20/2005	870	990	37	< 40	16	49
10/4/2005	410	280	9.1	< 40	< 40	3.4
7/10/2006	17,000	9,400	300	9	65	88
10/19/2006	1,300	1,700	50	<100	19	36
1/10/2007	1,500	1,800	58	<100	24	41
4/17/2007	4,400	2,200	90	< 250	< 250	250
7/3/2007	220	410	11	< 25	5.7	7.2
10/18/2007	570	800	14	< 25	8.5	15
1/9/2008	1800	2300	330	7.3	32	68
4/3/2008	580	610	21	<50	8.5	9.5
7/2/2008	1,800	1,500	38	<120	14	13
10/2/2008	5,800	5,000	190	<120	36	27
1/20/2009	3,400	2,500	150	<10	30	28
4/15/2009	3,400	3,700	290	<40	<40	30
10/13/2009	3,400	3,700	290	<40	<40	30
4/7/2010	1,400	1,600	45	<50	16	10
7/13/2010	400	870	30	<50	7.9	<50
1/12/2011	39,000	25,000	<500	9.4	19	<1
4/6/2011	40,000	23,000	<800	4.7	<800	<800
7/2/2011	31,000	19,000	<800	2.9	95	2.9
1/13/2012	53,000	30,000	770	<800	1400	<800
4/3/2012	39,000	21,000	320	3.7	110	<1
10/12/2012	41,000	24,000	<800	<800	<800	<800
4/2/2013	40,000	22,000	140	3.9	100	<1
10/10/2013	49,000	31,000	<1	<1	<1	<1
4/7/2014	32,000	18,000	<500	<500	<500	<500
7/17/2014	33,000	17,000	<500	<500	<500	<500
1/21/2015	19,000	22,000	<500	<500	150	<500
4/7/2015	31,000	32,000	<500	<500	<500	<500
7/23/2015	<500	31,000	3,500	<500	<500	<500
10/20/2015	<10	640	1,700	46	260	<10
1/6/2016	41	150	1,600	38	70	<25
4/5/2016	<100	5,000	6,100	390	240	<100
7/6/2016	<4	<4	<4	35	<4	<4
10/25/2016	<2	100	190	32	8.5	<2
1/19/2017	2.1	12	44	20	<2	<2
4/19/2017	<1	54	85	12	2.4	<1
7/13/2017	<2	35	95	11	0.89	<2
10/24/2017	<5	630	240	10	5.1	<5
1/9/2018	<40	1,200	440	<40	<40	<40
4/17/2018	<40	4,400	3,600	<40	16	<40
7/13/2018	<40	1,500	880	<40	15	<40
10/24/2018	<40	2,500	940	<40	<40	<40
1/9/2019	<40	2,200	1,800	<40	22	<40
4/8/2019	0.7	3.2	4	6.3	0.48	<1
1/8/2020	0.64	19	94	13	4.4	<1

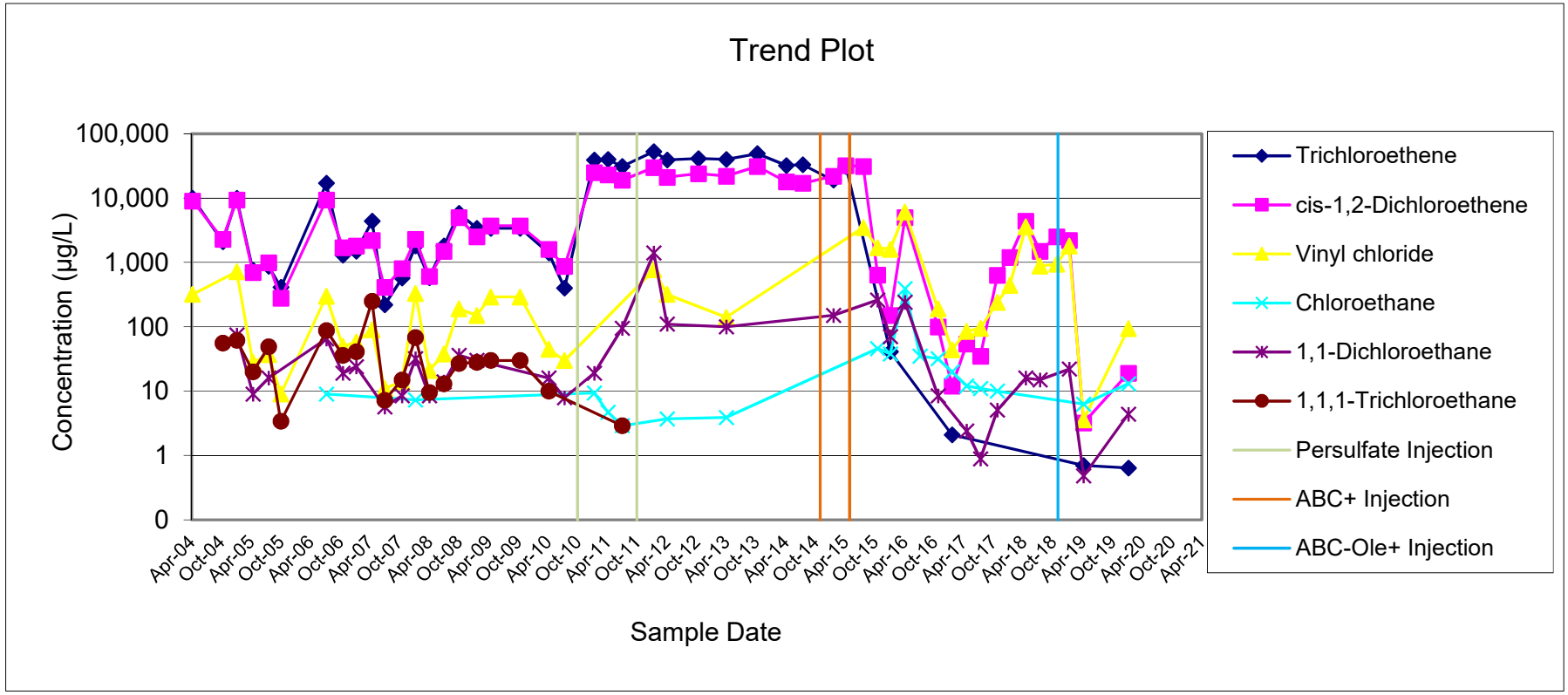
Note well was dry during the July 2019 and October 2019 sampling events.

MONITORING WELL MW-13S

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

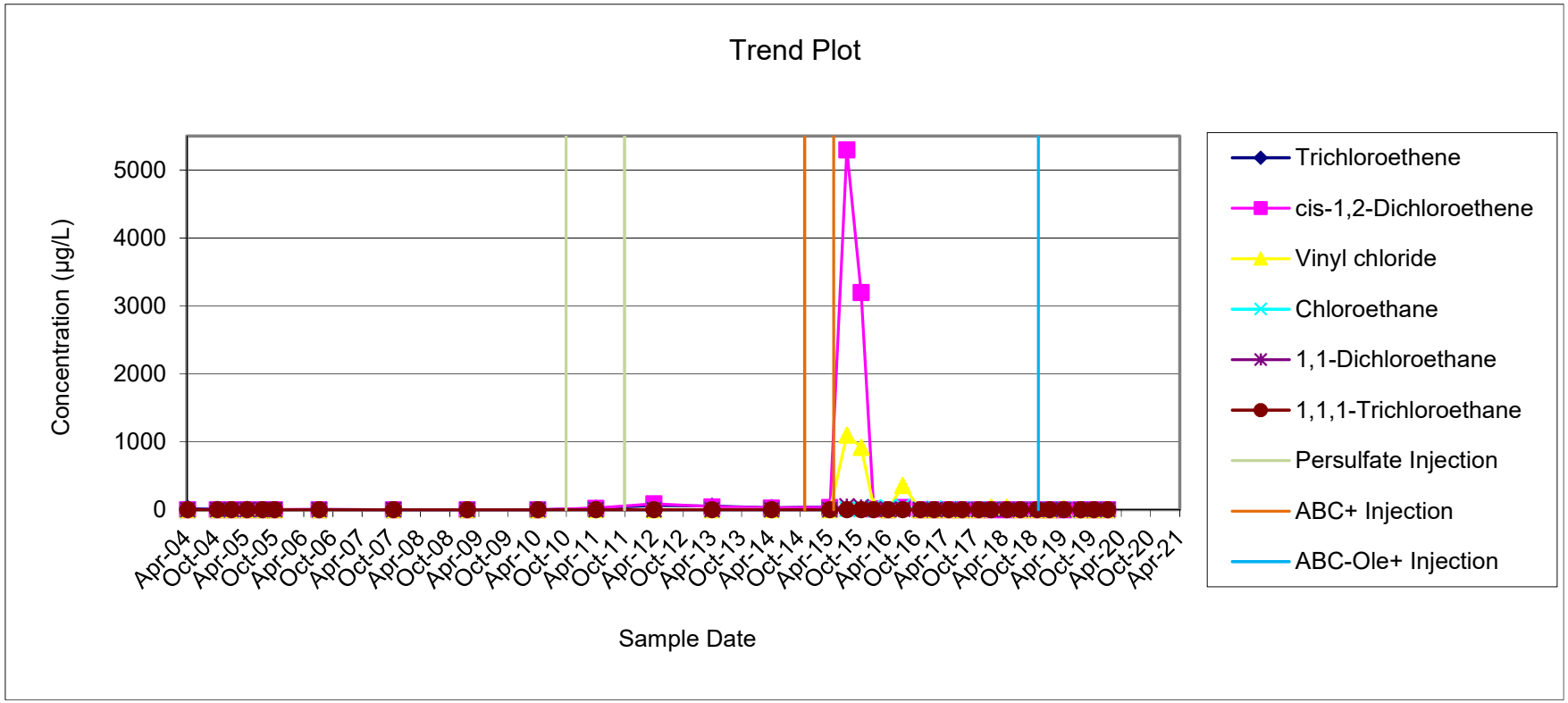
Lancaster, New York



PIEZOMETER MW-13D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2	< 10	< 10	< 10	< 10
10/12/2004	7	2	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/15/2005	8	4	< 10	< 10	< 10	< 10
7/20/2005	1	2	< 5	< 5	< 5	< 5
10/4/2005	1.4	1.5	< 5	< 5	< 5	<5
7/10/2006	2	1.6	2.6	< 5	< 5	< 5
10/18/2007	<5	0.55	1.1	< 5	< 5	< 5
1/20/2009	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
4/6/2011	22	23	<1	<1	<1	<1
4/3/2012	62	89	2.3	<1	<1	<1
4/1/2013	53	44	2.9	<1	<1	<1
4/7/2014	30	28	1.9	<1	<1	<1
4/7/2015	40	37	<1	<1	<1	<1
7/23/2015	2	5300	1100	11	56	<1
10/20/2015	<100	3200	920	<100	42	<100
1/6/2016	<10	15	47	38	12	<10
4/6/2016	<10	<10	<10	36	<10	<10
7/6/2016	<10	34	360	51	7.8	<10
10/25/2016	0.47	1	<1	12	<1	<1
1/19/2017	<1	<1	<1	25	<1	<1
4/19/2017	<1	0.87	<1	9	<1	<1
7/13/2017	<1	<1	<1	13	<1	<1
10/24/2017	<1	<1	<1	6.9	<1	<1
1/9/2018	<1	1.1	39	9.9	0.73	<1
4/18/2018	<1	1	39	6.5	<1	<1
7/13/2018	<1	<1	<1	5.5	<1	<1
10/24/2018	<1	<1	<1	4.2	<1	<1
1/10/2019	<1	1.6	1.2	7.4	<1	<1
4/8/2019	<1	<1	18	9.8	<1	<1
7/24/2019	<1	<1	<1	0.73	<1	<1
10/15/2019	<1	<1	<1	4.5	<1	<1
1/8/2020	<1	<1	<1	2.5	<1	<1

PIEZOMETER MW-13D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

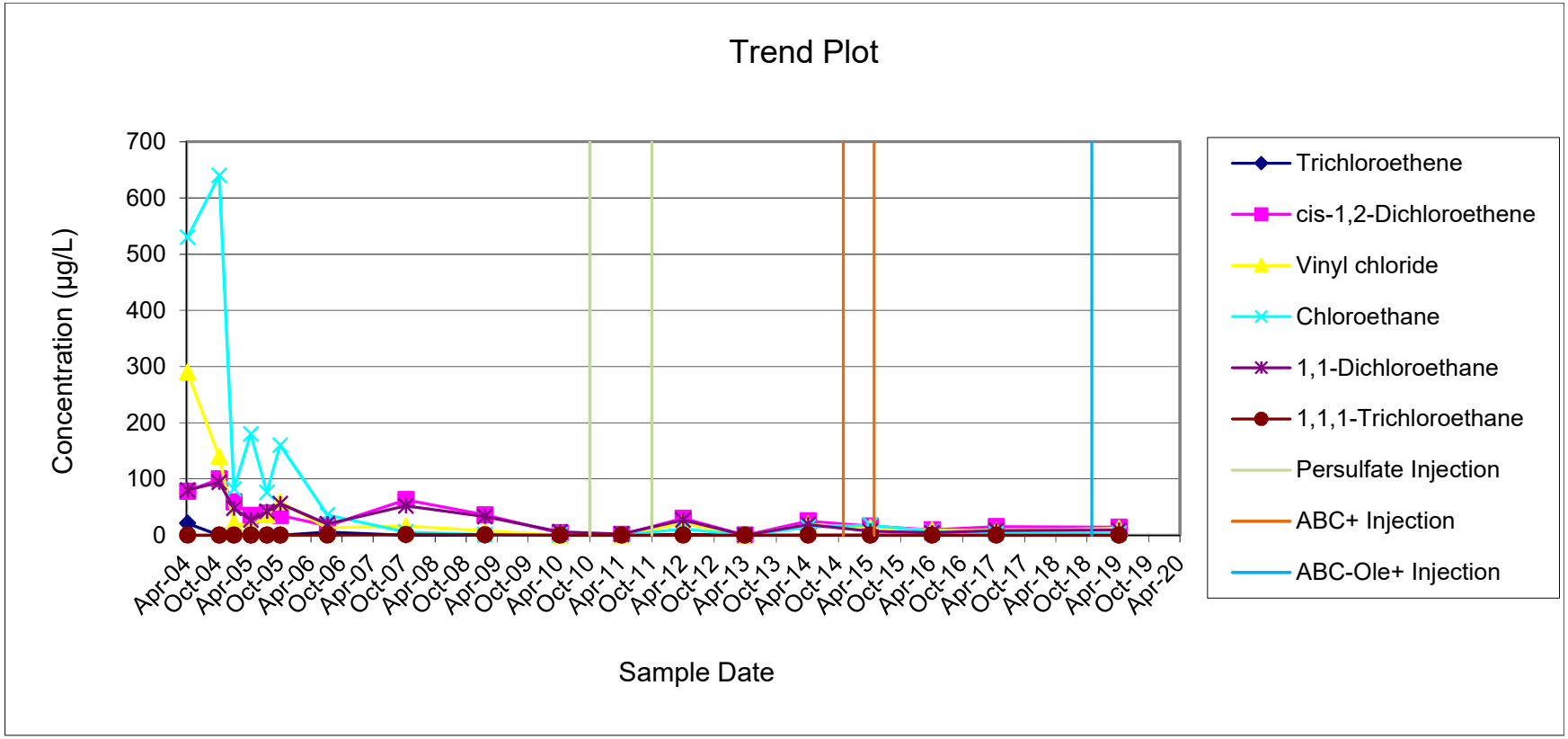


PIEZOMETER MW-14S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	78	290	530	80	< 20
10/12/2004	< 10	100	140	640	94	< 10
1/6/2005	< 10	59	22	82	48	< 10
4/15/2005	< 10	35	15	180	27	< 10
7/20/2005	< 5	39	36	76	42	< 5
10/5/2005	< 5	35	59	160	56	<5
7/10/2006	5.7	17	13	36	20	< 25
10/15/2007	< 5	63	16	5.7	52	1.3
1/21/2009	0.38	36	7.9	0.87	33	0.63
4/8/2010	< 5	4	< 5	0.62	5.9	<5
4/5/2011	< 1	1.1	<1	<1	1.9	<1
4/2/2012	1.3	30	21	11	27	<1
4/1/2013	<1	<1	<1	<1	<1	<1
4/7/2014	<1	25	19	14	19	<1
4/7/2015	<1	16	14	18	6.8	<1
4/5/2016	<1	9.6	8.9	6.3	4.4	<1
4/18/2017	<1	15	7.8	2.8	8.1	<1
4/10/2019	<1	14	12	2.7	8.9	<1

Well was flooded and not sampled in April 2018.

PIEZOMETER MW-14S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

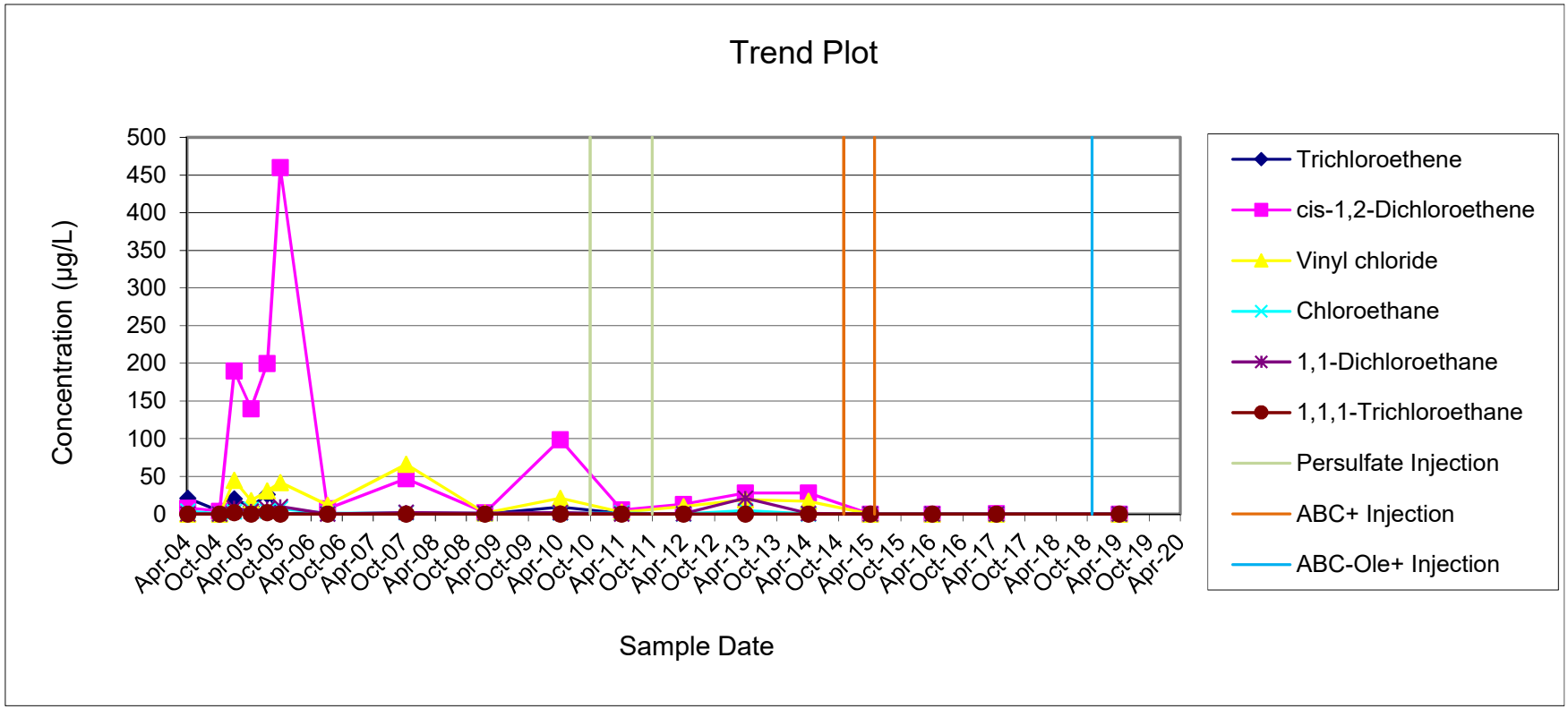


PIEZOMETER MW-14D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	8	< 10	4	< 10	< 10
10/12/2004	4	4	< 10	< 10	< 10	< 10
1/6/2005	20	190	45	3	8	2
4/15/2005	10	140	18	6	4	< 10
7/20/2005	26	200	31	4	7	2
10/5/2005	< 10	460	42	7.2	9.9	<10
7/10/2006	0.96	7.2	12	0.82	< 5	< 5
10/15/2007	< 5	47	66	1.8	2.2	< 5
1/21/2009	<5	2	1.4	0.91	1.3	<5
4/8/2010	9.4	99	21	1.5	2	<5
4/5/2011	0.97	5.6	2.6	1.5	<1	<1
4/2/2012	0.64	13	9.9	<1	0.44	<1
4/1/2013	0.99	28	19	4.6	21	<1
4/7/2014	<1	28	17	<1	0.82	<1
4/7/2015	<1	<1	<1	<1	<1	<1
4/5/2016	<1	<1	<1	<1	<1	<1
4/18/2017	<1	0.65	<1	<1	<1	<1
4/10/2019	<1	<1	<1	<1	<1	<1

Well was flooded and not sampled in April 2018.

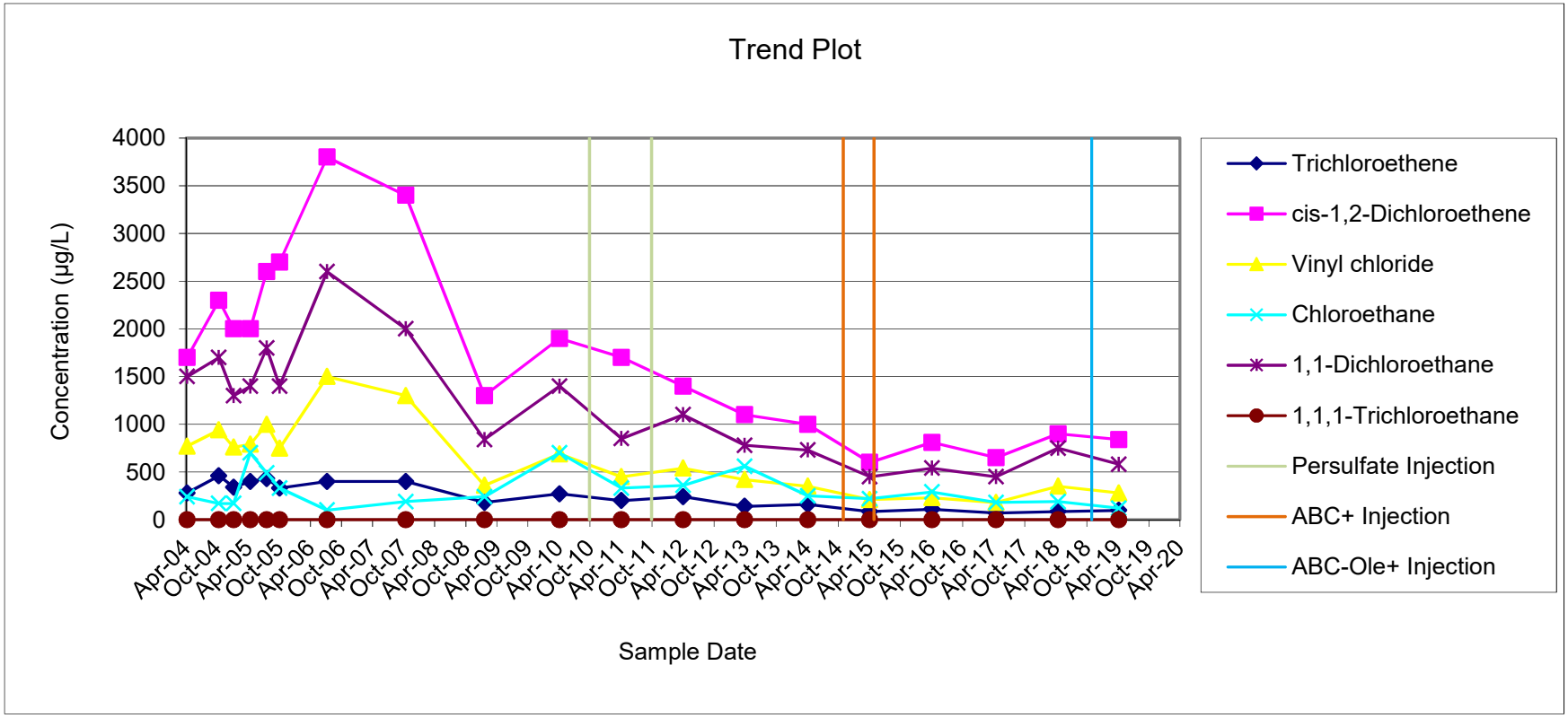
PIEZOMETER MW-14D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-15S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	280	1,700	770	240	1,500	< 250
10/12/2004	460	2,300	940	170	1,700	< 250
1/7/2005	340	2,000	760	170	1,300	< 250
4/15/2005	400	2,000	790	700	1,400	< 200
7/21/2005	430	2,600	1,000	490	1,800	< 120
10/5/2005	330	2,700	750	330	1,400	<100
7/10/2006	400	3,800	1,500	100	2,600	< 25
10/16/2007	400	3400	1300	190	2000	< 200
1/21/2009	180	1300	360	240	840	<5
4/8/2010	270	1900	690	700	1400	<10
4/7/2011	200	1700	450	330	850	<1
4/3/2012	240	1400	540	360	1100	<1
4/1/2013	140	1100	420	560	780	<20
4/7/2014	160	1000	350	250	730	<20
4/6/2015	85	600	210	220	450	<20
4/6/2016	110	810	230	290	540	<20
4/19/2017	70	650	180	180	450	<5
4/18/2018	85	900	350	190	750	<20
4/10/2019	98	840	280	120	580	<20

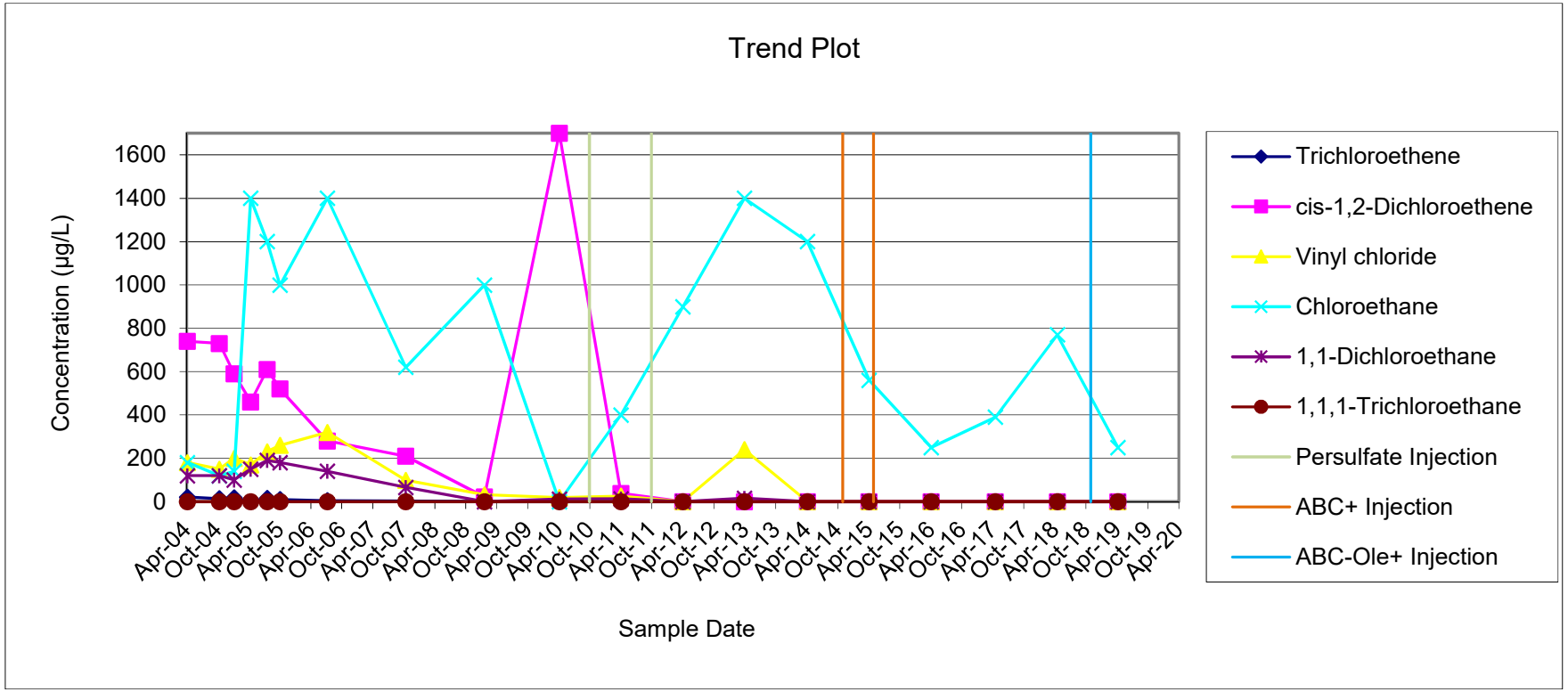
PIEZOMETER MW-15S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-15D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	740	180	180	120	< 10
10/12/2004	14	730	150	120	120	< 50
1/7/2005	18	590	200	140	100	< 50
4/15/2005	< 50	460	170	1,400	150	< 50
7/21/2005	15	610	230	1,200	190	< 25
10/5/2005	10	520	260	1,000	180	<50
7/10/2006	4.9	280	320	1,400	140	< 5
10/16/2007	3.6	210	99	620	66	< 5
1/21/2009	<25	22	32	1000	<25	<25
4/8/2010	<5	1700	19	<5	12	<5
4/5/2011	<8	38	26	400	13	<8
4/3/2012	<10	<10	<10	900	<10	<10
4/1/2013	<8	<8	240	1400	16	<8
4/7/2014	<20	<20	<20	1200	<20	<20
4/6/2015	<20	<20	<20	560	<20	<20
4/6/2016	<5	<5	<5	250	<5	<5
4/19/2017	<1	<1	<1	390	0.35	<1
4/19/2018	<5	<5	<5	770	<5	<5
4/10/2019	<8	<8	<8	250	<8	<8

PIEZOMETER MW-15D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-16S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

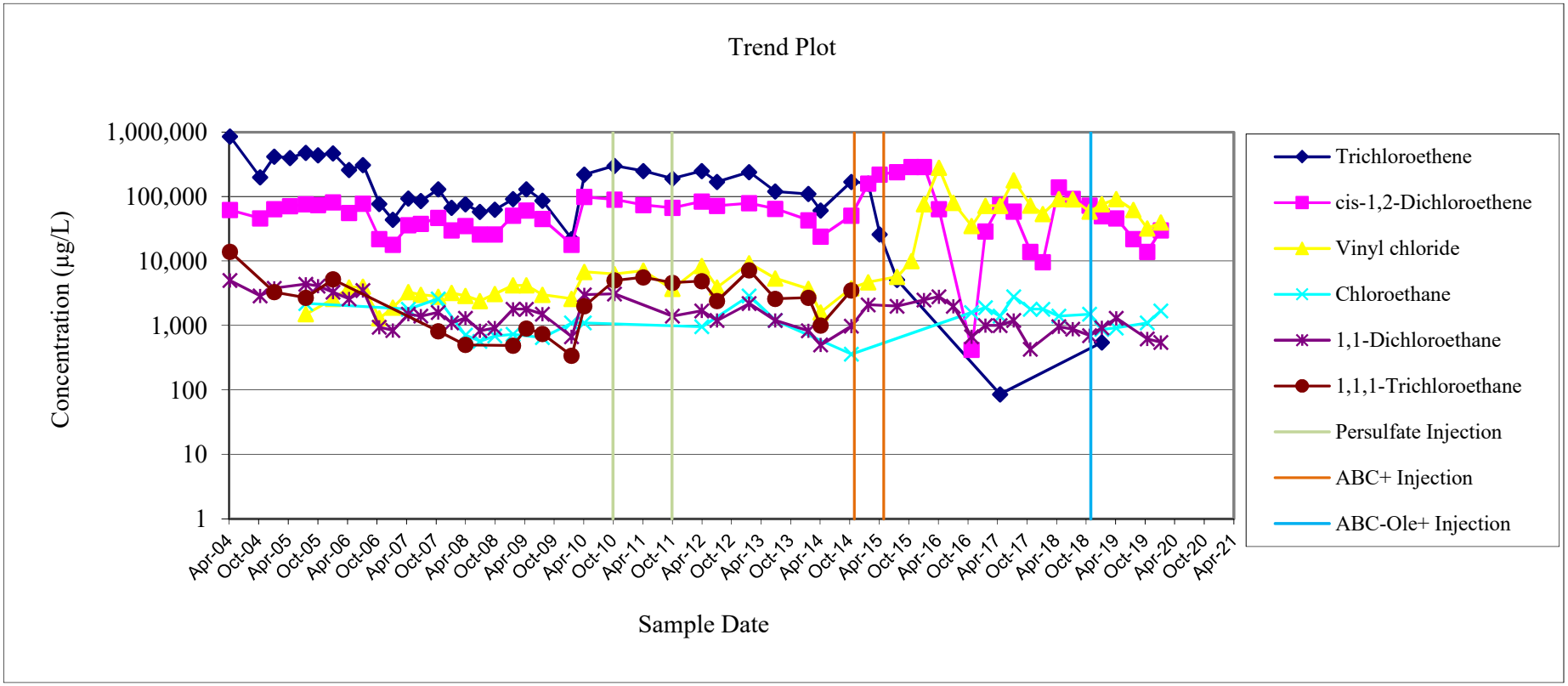
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	3,800	3,300
4/15/2005	400,000	71,000	< 25,000	< 25,000	< 25,000	< 25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	< 25,000	< 25,000	4,100	< 25,000
1/6/2006	470,000	82,000	2,600	< 20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	< 20,000	2,600	< 20,000
7/10/2006	310,000	78,000	4,000	< 20,000	3,500	< 20,000
10/19/2006	77,000	22,000	1,300	< 5,000	940	< 5,000
1/10/2007	44,000	18,000	1,900	< 2,500	840	< 2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	< 5,000
7/3/2007	86,000	38,000	3,000	< 5,000	1,400	< 5,000
10/18/2007	130000	47000	2800	2600	1600	820
1/8/2008	67000	30000	3200	< 5000	1100	< 5000
4/3/2008	76,000	35,000	2,900	710	1,300	500
7/2/2008	58,000	26,000	2,400	570	830	<5000
10/2/2008	63,000	26,000	3,100	690	920	<5000
1/22/2009	92,000	51,000	4,200	730	1,800	490
4/15/2009	130,000	61,000	4,200	<2000	1,800	900
7/22/2009	87,000	45,000	3,000	650	1,500	740
1/19/2010	22,000	18,000	2,600	1,100	670	340
4/8/2010	220,000	99,000	6,800	1,100	3,000	2,000
10/11/2010	300,000	90,000	6,300	<20,000	3,100	5,000
4/7/2011	250,000	74,000	7,100	<4,000	<4,000	5,600
10/4/2011	190,000	67,000	3,700	<800	1,400	4,600
4/3/2012	250,000	84,000	8,400	960	1,700	4,900
7/6/2012	170,000	72,000	3,900	<2000	1,200	2,400
1/21/2013	240,000	79,000	9,300	2,900	2,200	7,200
7/1/2013	120,000	65,000	5,400	1,200	1,200	2,600
1/22/2014	110,000	43,000	3,700	<2,000	830	2,700
4/7/2014	61,000	24,000	1,600	<1000	500	1,000
10/14/2014	170,000	51,000	3,800	360	980	3,500
1/26/2015	160,000	160,000	4,700	<4,000	2,100	<4,000
4/7/2015	26,000	220,000	<4,000	<4,000	<4,000	<4,000
7/24/2015	5,100	240,000	5,700	<4,000	2,000	<4,000
10/20/2015	<4,000	290,000	10,000	<4,000	<4,000	<4,000
1/6/2016	<4,000	290,000	76,000	<4,000	2,500	<4,000
4/7/2016	<4,000	64,000	280,000	<4,000	2,800	<4,000
7/5/2016	<2,000	<2,000	80,000	<2,000	2,000	<2,000
10/26/2016	<500	420	35,000	1,600	670	<500
1/19/2017	<500	29,000	72,000	1,900	1,000	<500
4/20/2017	86	75,000	72,000	1,400	1,000	<200
7/13/2017	<1,000	59,000	180,000	2,800	1,200	<200
10/24/2017	<500	14,000	73,000	1,800	430	<500
1/9/2018	<1,000	9,600	54,000	1,800	<1,000	<1,000
4/18/2018	<1,000	140,000	92,000	1,400	960	<1,000
7/13/2018	<1,000	93,000	91,000	<1,000	880	<1,000
10/25/2018	<1,000	73,000	59,000	1,500	700	<1,000
1/9/2019	550	50,000	76,000	870	930	<1,000
4/9/2019	<1,000	46,000	92,000	920	1,300	<1,000
7/23/2019	<2,500	22,000	62,000	<2,500	<2,500	<2,500
10/17/2019	<1,000	14,000	32,000	1,100	620	<1,000
1/9/2020	<1,000	30,000	40,000	1,700	550	<1,000

MONITORING WELL MW-16S

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



PIEZOMETER MW-16D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	6,900	490	< 500	< 500	< 500	< 500
10/12/2004	12,000	1,000	< 500	< 500	91	< 500
1/6/2005	9	27	39	22	15	< 10
4/15/2005	32	36	17	100	10	< 10
7/21/2005	25	12	4	84	2	< 10
10/5/2005	1.3	16	10	41	5	<5
7/10/2006	6.1	27	21	1,000	9.7	< 5
10/18/2007	6	48	39	250	16	< 20
1/22/2009	52	92	39	90	21	1.9
4/8/2010	12	6.9	3.6	240	8.7	< 10
4/7/2011	22	59	33	59	27	1.2
4/3/2012	42	66	46	110	35	<1
4/1/2013	57	2900	1100	190	260	<1
4/7/2014	<25	1700	390	110	99	<25
4/7/2015	<25	650	380	170	94	<25
7/23/2015	<25	<25	41	340	56	<25
10/20/2015	<10	24	9.2	<10	15	<10
1/6/2016	<5	<5	9.2	140	2.9	<5
4/7/2016	<10	<10	50	370	<10	<10
7/5/2016	<10	<10	13	320	33	<10
10/26/2016	<10	31	13	310	16	<10
1/19/2017	<10	<10	23	290	<10	<10
4/20/2017	<1	24	27	350	37	<1
7/13/2017	<5	57	140	130	30	<5
10/24/2017	<1	9.6	24	98	6	<1
1/8/2018	<1	4.1	9.0	110	4.1	<1
4/18/2018	<1	1.5	15	52	0.78	<1
7/13/2018	<1	3.3	22	53	2.0	<1
10/25/2018	<1	2.3	17	38	1.2	<1
1/10/2019	1.9	37	20	150	10.0	<1
4/8/2019	<2	5.0	37	72	3.6	<2
7/22/2019	<1	2.0	6.5	39	2.1	<1
10/17/2019	<1	1.8	2.3	76	1.3	<1
1/9/2020	<1	4.0	2.5	86	1.4	<1

PIEZOMETER MW-16D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York