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February 28, 2019

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

Subject: **Fiscal First Quarter 2019 Groundwater Monitoring Report (10/25/18-1/10/19)**
January 2019 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 2019 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 Periodic Review Report (PRR) (April 20, 2017 through April 18, 2018), dated May 31, 2018, and the wells sampled during this groundwater monitoring event reflect this schedule (with the deletion of monitoring wells MW-6, MW-10, and MW-12 which were decommissioned on September 18, 2018 per the NYSDEC-approved decommissioning work plan dated September 13, 2018). Additionally, one vapor sample was collected from the air stripper discharge sampling port as part of the January 2019 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 currently responsible 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 is, as of that correspondence, required for the site each calendar year, and is to include four quarters of groundwater sampling based on the attached **Table 1**. **Table 1** is updated quarterly; the attached **Table 1** presents the groundwater monitoring schedule for the site from April 2019 through January 2020. 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. During the past year, the thirteenth PRR (April 20, 2017 through April 18, 2018) was completed and submitted to NYSDEC on May 31, 2018. An IC/EC certification was included with each PRR with the exception of the four 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 the PRRs without an IC/EC certification.

Quarterly Groundwater Monitoring Activities – January 2019

AECOM personnel collected quarterly groundwater samples on January 8-10, 2019 (vapor samples were collected on January 8, 2019), in accordance with the procedures outlined in the NYSDEC-approved November 2003 RDWP and the August 2010 letter. January 2019 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 through DPE-8) (**Figure 2**). Note: MW-6, MW-10, and MW12 were decommissioned on September 18, 2018. Field forms generated during this sampling event are provided in **Appendix A**. Groundwater samples were analyzed for VOCs by 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 9, 2019. 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 and 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 2019 are provided. The average water levels calculated for the nested piezometer pairs and monitoring wells, in conjunction with DPE well and 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 DPE water level data.

Groundwater elevations measured from monitoring wells and piezometers on January 9, 2019 ranged from 686.95 feet above mean sea level (AMSL) at MW-15S to 673.26 feet AMSL at MW-14D. The average groundwater surface elevation across the site was 2.87 feet higher when compared to the prior round of groundwater elevation measurements collected in October 2018.

The increase in groundwater elevations is attributable to the DPE system being taken off line prior to the November 2018 injection program (refer to the fourth paragraph under the Groundwater Quality Results – January 2019 section below for details regarding the November 2018 injection program). Note the GWCT was on-line during the January 2019 groundwater sampling event. Based on the January 2019 water level measurements, the groundwater surface beneath the site exhibits 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 2019

Tables 3, 4 and **5** summarize VOC data for groundwater samples collected in January 2019 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 New York Code, Rules, and Regulations (NYCRR), Title 6, Parts 702.15(a)(2) and 703.5 guidance values. 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 2019

VOCs Detected in Groundwater	Concentration Range (micrograms per liter)	Number of Detections	RAO/NYCRR Exceedances
Vinyl Chloride	1.2 – 76,000	8	6
cis-1,2-Dichloroethene	1.3 – 50,000	8	5
1,1-Dichloroethane	1.2 – 930	7	6
Chloroethane	1.0 – 870	7	5
Trichloroethene	1.9 – 550	4	3
Toluene	0.54 – 16	4	2
Acetone	5.6 – 46	4	0
trans-1,2-Dichloroethene	7.3 – 12	2	2
2-Butanone	27 – 180	2	1
Methylene Chloride	11	1	1
1,1-Dichloroethene	5.9	1	1
Benzene	2.4	1	1

Twelve VOCs were detected in groundwater from monitoring wells and piezometers sampled above their associated detection limit during the monitoring period. Eleven of the twelve VOCs detected exceeded either the site-specific RAOs for groundwater or the NYCRR criteria; note that three laboratory cleaning compounds, acetone, 2-butanone, and methylene chloride were detected in four, two, and one of the nine samples, respectively. The occurrences of constituents of potential concern were detected primarily in the vicinity of the former on-site source area, and VOC concentrations decrease significantly in the vicinity of the perimeter monitoring wells.

An electronic copy of the analytical laboratory data package for the January 2019 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 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 will be included in the 2019 PRR.

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 seven of the nine monitoring wells and piezometers sampled in January 2019 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 2019 groundwater data, there were four detections of TCE at the monitoring wells and piezometers (MW-4, MW-8R, MW-16S, and MW-16D). 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.

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

AECOM personnel collected a vapor effluent sample from the groundwater remediation system vapor discharge stack on January 9, 2019. A Summa canister was used to collect the vapor sample from the permanent sample port located on the air stripper (AS) discharge stack. Due to the DPE system being off-line to accommodate the November 2018 injection program, an air sample was not collected from the DPE vacuum pump 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 TestAmerica Laboratories, Inc., Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – January 2019

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**. Eight VOCs were detected in the AS unit effluent; the total VOCs discharged were 49 micrograms per cubic meter. The calculated VOC discharge-loading rate for the GWCT remediation system was approximately 0.00003 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

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

- AECOM and subcontractor Matrix Environmental Technical Services, Inc. (Matrix) winterized the DPE system during the week of November 26, 2018. Following the winterization activities, the DPE system was switched off-line for a minimum of one year to accommodate the November 2018 groundwater injection remedial program. The GWCT was temporarily switched off-line for two weeks following the injection remedial program and subsequently restarted on December 18, 2018.
- AECOM and subcontractor Matrix performed the groundwater injection remedial program during the week of November 26, 2018 per the work plan submitted to NYSDEC on October 31, 2018.
- AECOM completed the 180-day hazardous waste transport and disposal activities with AECOM subcontractor Heritage Environmental Services, LLC on January 7, 2019.

Based on a system operational period from October 25, 2018 (Fourth Quarter groundwater sampling event) to January 10, 2019, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 11,795 gallons, at an average flow rate of 0.11 gallons per minute. Note the DPE and GWCT remedial systems were taken off-line prior to the November 2018 injection program; GWCT was put back online on December 18, 2019 and the DPE system will remain off until at least November 2019.

Summary

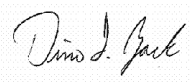
The DPE and GWCT remedial systems were fully operational until they were taken off-line on November 26, 2018 to accommodate the injection of ABC-Ole+®. On December 18, 2018, the GWCT was brought back on line; the DPE system remained off-line during the remainder of the reporting period. TCE was not detected 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 2019 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 2019 were far less than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event, the comprehensive annual sampling event, is planned for April 2019; 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,

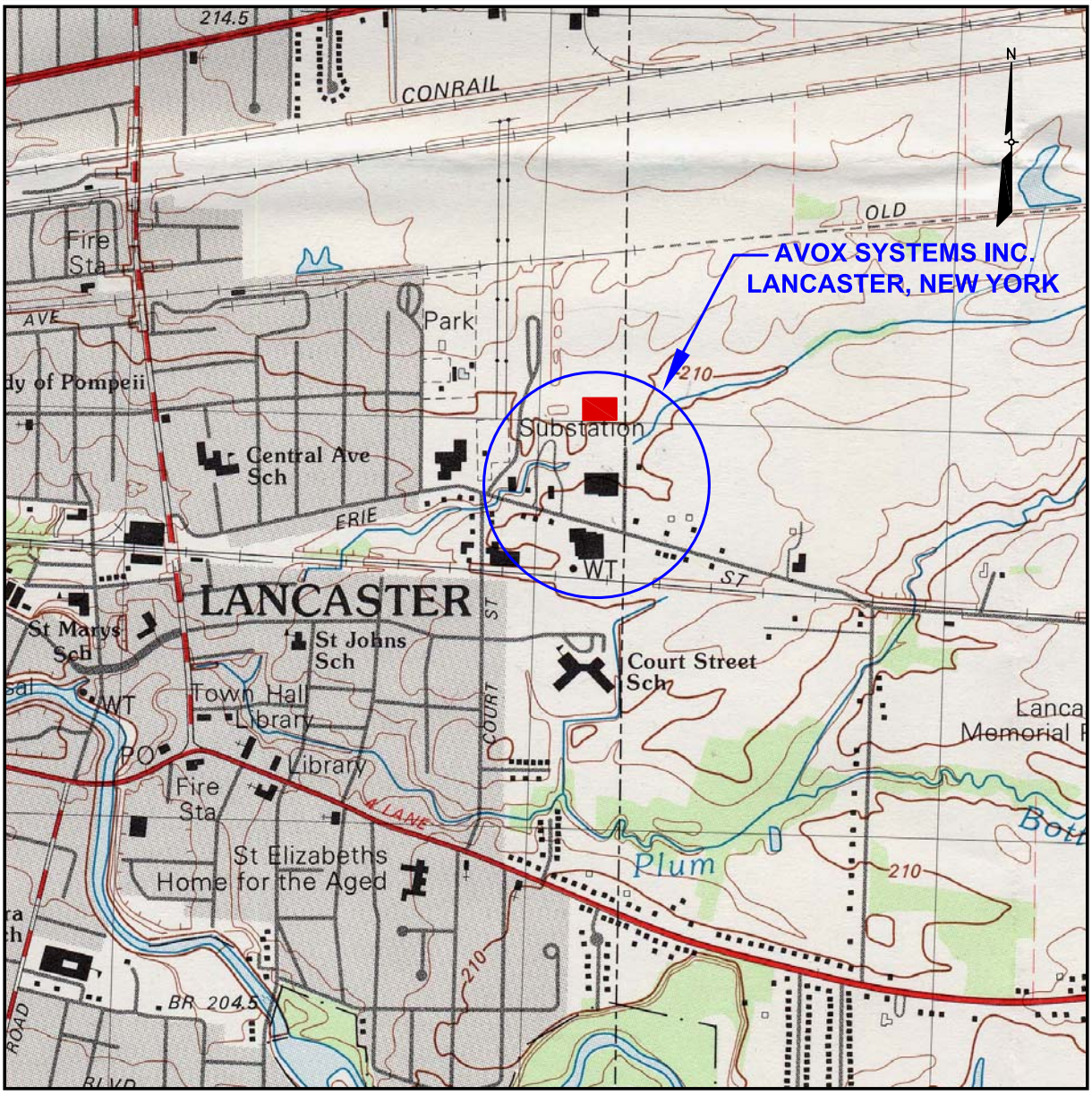


Dino L. Zack, PG, STS
Project Manager
dino.zack@aecom.com

\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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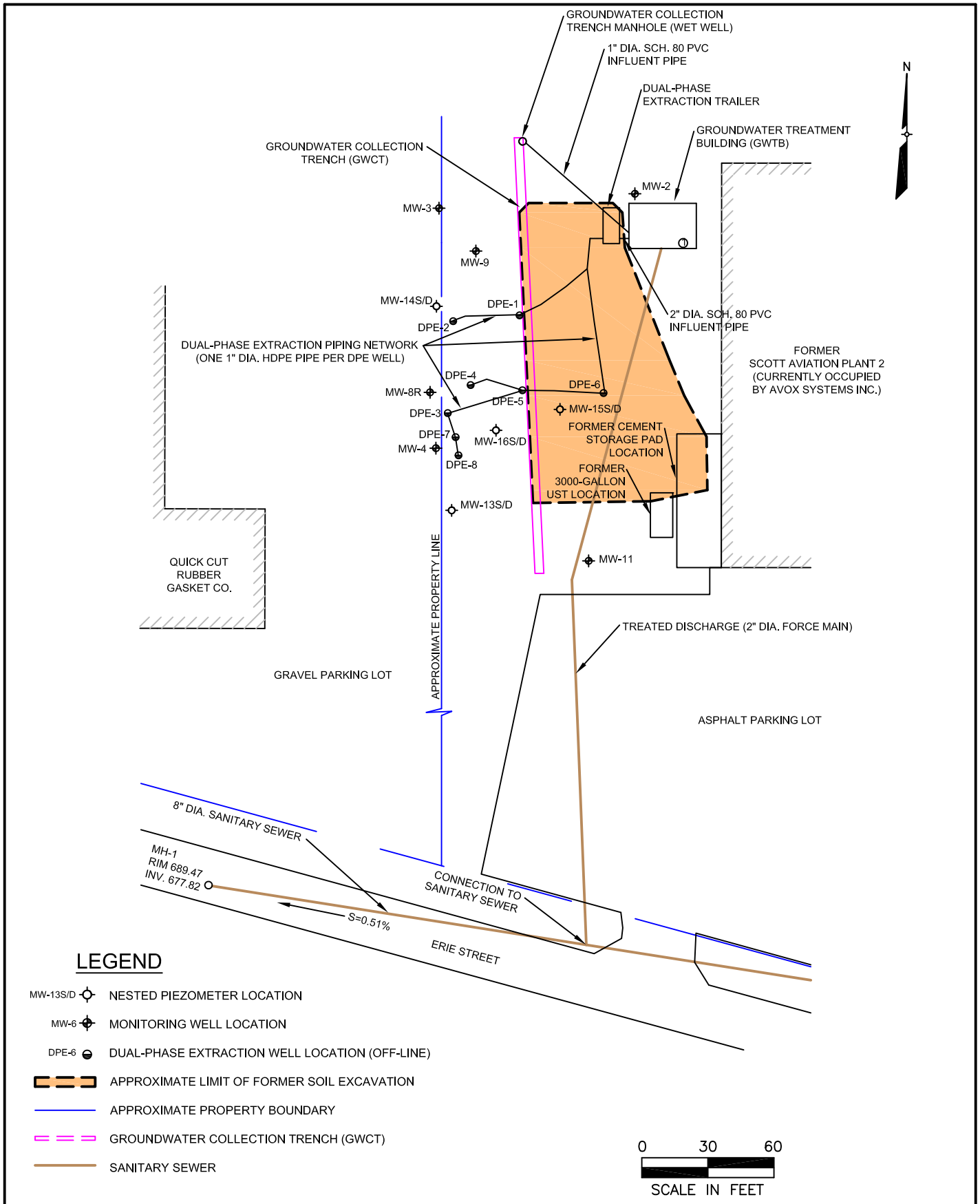

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FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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CONDENSATE RETURN LINES

VAPOR DISCHARGE TO ATMOSPHERE

OIL SEALED VACUUM BLOWER (LIQUID RING PUMP)

RECYCLE LINE

OIL FILTER RECYCLER

DUAL PHASE EXTRACTION TRAILER

PARTICULATE/LIQUID FILTER

DPE SYSTEM CONTROL PANEL

VAPOR / LIQUID PHASE SEPARATOR

H H
H L
L L

DPE-6 DPE-7 DPE-8

SPARE DPE-1 DPE-2 DPE-3 DPE-4 DPE-5

AUTO TRANSER PUMP

HOLD TANK

AUTO TRANSER PUMP

BAG FILTER #1

BAG FILTER #2

VACUUM BLOWER

VAPOR DISCHARGE TO ATMOSPHERE

FLOOR SUMP

AIR BLEED VALVE

DROP TUBE

DPE RECOVERY WELL (TYP)

AIR STRIPPER SYSTEM CONTROL PANEL

AIR STRIPPER

GROUNDWATER TREATMENT BUILDING (GWTB)

AUTO TRANSER PUMP

SUBMURSIBLE PUMP

GROUNDWATER COLLECTION TRENCH (GWCT) WET WELL

HEAT EXCHANGER (OFF-LINE)

CONDENSATE RETURN LINES

TREATED WATER DISCHARGE TO SANITARY SEWER

FRESH AIR INTAKE

LEGEND

- DUAL PHASE EXTRACTION TRAILER
- GROUNDWATER TREATMENT BUILDING
- WATER
- AIR
- ELECTRIC
- H H HIGH HIGH
- H L HIGH LOW
- L L LOW LOW
- T TEMPERATURE GUAGE
- P PRESSURE GUAGE
- G FLOW GUAGE
- V VACUUM GUAGE
- F FLOW METER
- S SAMPLING PORT (MANUAL)
- BALL VALVE
- CHECK VALVE

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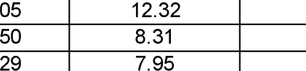
FIGURE 3
PROCESS AND INSTRUMENTATION DIAGRAM FOR COMBINED DUAL PHASE EXTRACTION REMEDIATION SYSTEM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

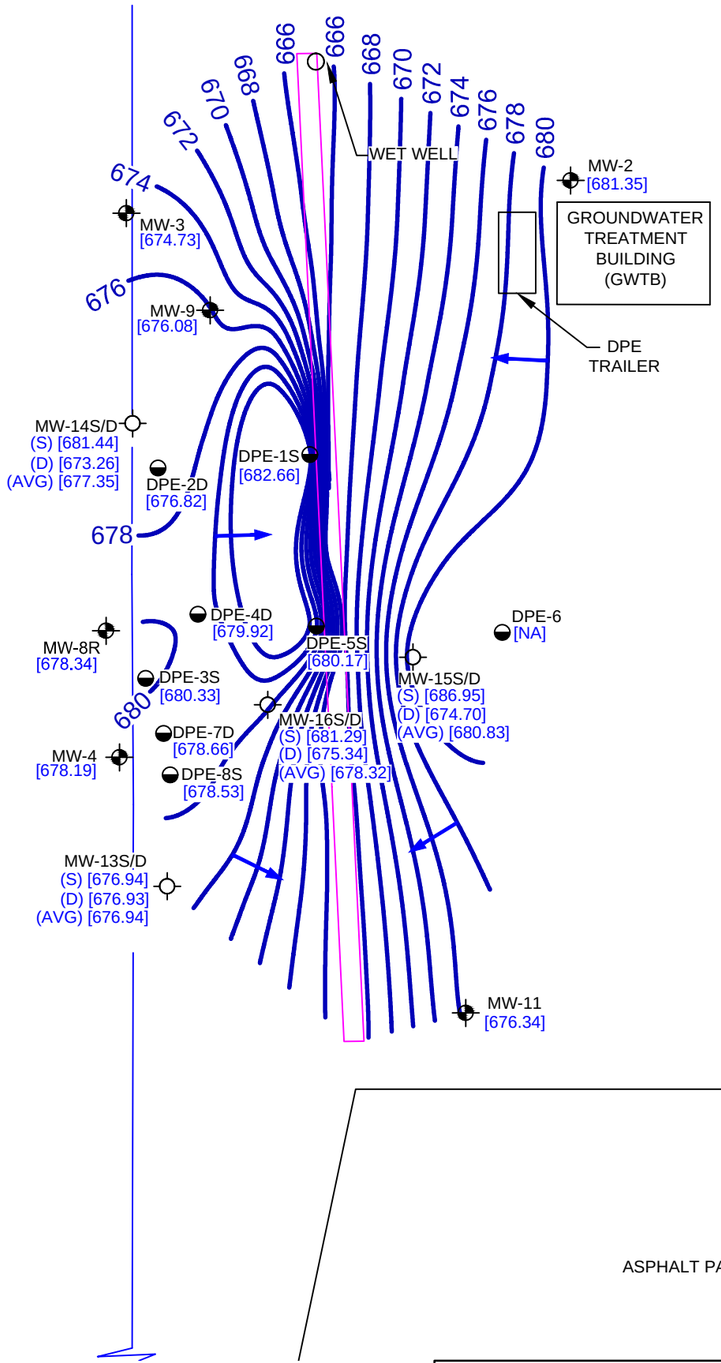
Quarterly Groundwater Monitoring Water Level Data - January 9, 2019
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.00	5.65	681.35
MW-3	687.05	12.32	674.73
MW-4	686.50	8.31	678.19
MW-8R	686.29	7.95	678.34
MW-9	689.57	13.49	676.08
MW-11	688.61	12.27	676.34
Nested Piezometers			
MW-13S	686.65	9.71	676.94
MW-13D	686.78	9.85	676.93
MW-14S	685.74	4.30	681.44
MW-14D	685.88	12.62	673.26
MW-15S	687.17	0.22	686.95
MW-15D	687.87	13.17	674.70
MW-16S	688.15	6.86	681.29
MW-16D	688.16	12.82	675.34
Remedial System			
GWCT Manhole (rim)	687.22	22.10	665.12
DPE Wells			
DPE-1	687.17	4.51	682.66
DPE-2	685.32	8.50	676.82
DPE-3	685.98	5.65	680.33
DPE-4	686.00	6.08	679.92
DPE-5	686.91	6.74	680.17
DPE-7	685.92	7.26	678.66
DPE-8	686.03	7.50	678.53

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



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LEGEND

MW-13S/D	NESTED PIEZOMETER LOCATION
MW-9	MONITORING WELL LOCATION
DPE-6	DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
[682.66]	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
[NA]	NOT ACCESSIBLE

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 9, 2019.
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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FIGURE 4
JANUARY 9, 2019 AVERAGE OVERBURDEN GROUNDWATER ELEVATIONS (WITH DPE DATA)
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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Quarterly Groundwater Monitoring Water Level Data - January 9, 2019
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

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Monitoring Wells			
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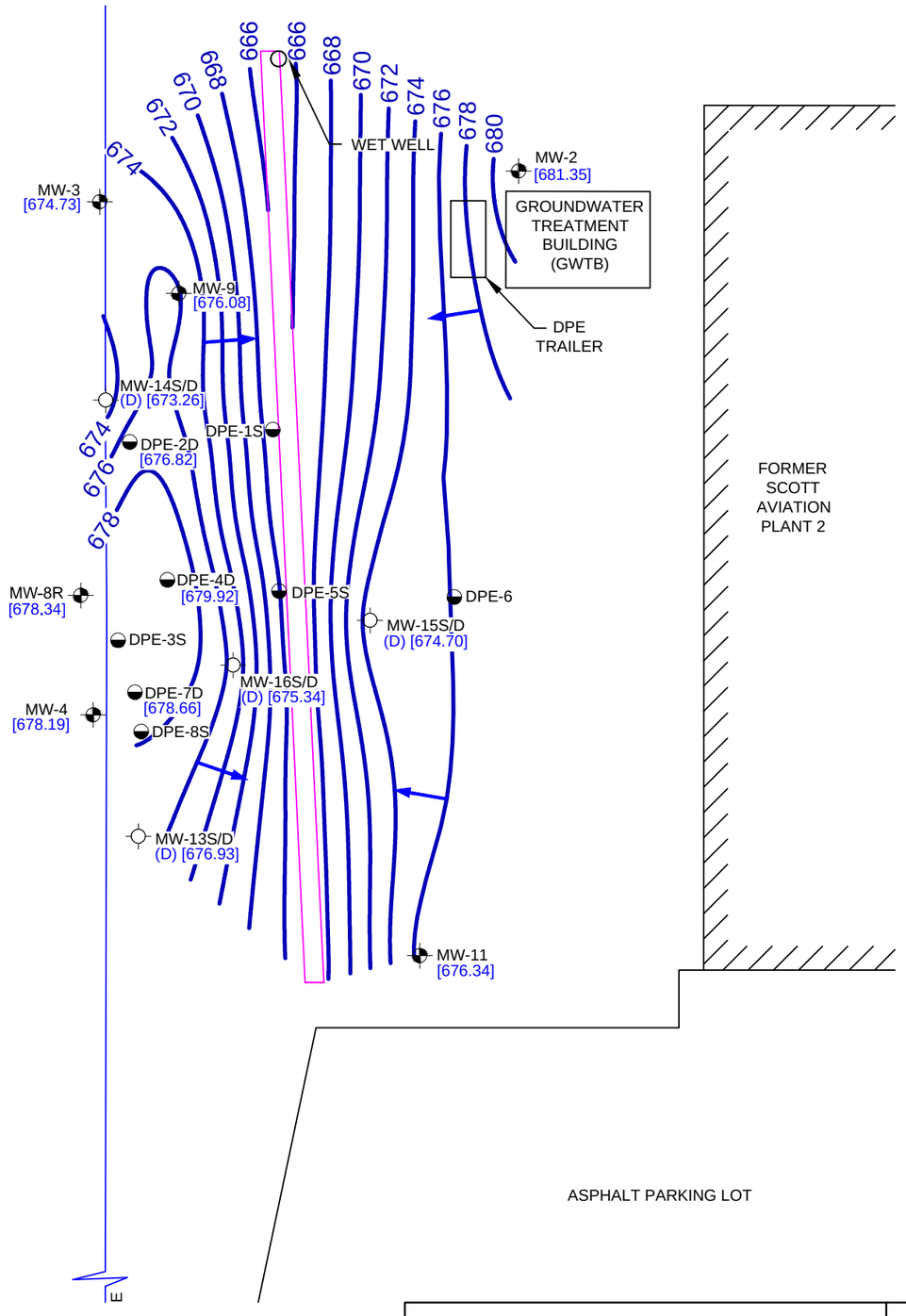
MW-3	687.05	12.32	674.73
MW-4	686.50	8.31	678.19
MW-8R	686.29	7.95	678.34
MW-9	689.57	13.49	676.08
MW-11	688.61	12.27	676.34
Nested Piezometers			
MW-13S	686.65	9.71	676.94
MW-13D	686.78	9.85	676.93
MW-14S	685.74	4.30	681.44
MW-14D	685.88	12.62	673.26
MW-15S	687.17	0.22	686.95
MW-15D	687.87	13.17	674.70
MW-16S	688.15	6.86	681.29
MW-16D	688.16	12.82	675.34
Remedial System			
GWCT Manhole (rim)	687.22	22.10	665.12
DPE Wells			
DPE-1	687.17	4.51	682.66
DPE-2	685.32	8.50	676.82
DPE-3	685.98	5.65	680.33
DPE-4	686.00	6.08	679.92
DPE-5	686.91	6.74	680.17
DPE-7	685.92	7.26	678.66
DPE-8	686.03	7.50	678.53

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)
- [681.35] — 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
- [NA] — NOT ACCESSIBLE

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 9, 2019.
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 9, 2019 DEEP OVERBURDEN GROUNDWATER ELEVATIONS (WITH DPE DATA)
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

C:\Users\SPLAWNM\Desktop\Dino\71149_196 GW Surf Cont Jan 2019 (DEEP)_w DPEs.dwg, 2/20/2019 2:33:40 PM, Splawnm

Tables

Table 1

Groundwater Monitoring Schedule - April 2019 through January 2020
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Locations Scheduled for Sampling	Locations Scheduled for Sampling			
April 2019 (Annual)	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	
July 2019 (Quarterly)	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 2019 (Quarterly)	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 2020 (Quarterly)	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

Table 2

Quarterly Groundwater Monitoring Water Level Data - January 9, 2019
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	687.00	5.65	681.35
MW-3	687.05	12.32	674.73
MW-4	686.50	8.31	678.19
MW-8R	686.29	7.95	678.34
MW-9	689.57	13.49	676.08
MW-11	688.61	12.27	676.34
Nested Piezometers			
MW-13S	686.65	9.71	676.94
MW-13D	686.78	9.85	676.93
MW-14S	685.74	4.30	681.44
MW-14D	685.88	12.62	673.26
MW-15S	687.17	0.22	686.95
MW-15D	687.87	13.17	674.70
MW-16S	688.15	6.86	681.29
MW-16D	688.16	12.82	675.34
Remedial System			
GWCT Manhole (rim)	687.22	22.10	665.12
DPE Wells			
DPE-1	687.17	4.51	682.66
DPE-2	685.32	8.50	676.82
DPE-3	685.98	5.65	680.33
DPE-4	686.00	6.08	679.92
DPE-5	686.91	6.74	680.17
DPE-7	685.92	7.26	678.66
DPE-8	686.03	7.50	678.53

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 2019 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
Date Collected	RAO/NYCRR	01/09/19	01/09/19	01/10/19	01/10/19	01/09/19	01/09/19	01/10/19
Lab Sample ID	Objective	480-147748-1	480-147748-2	480-147748-3	480-147748-13	480-147748-6	480-147748-12	480-147748-14
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane	5*	< 1.0 U	**7.4**	**42**	**36**	**1.2**	**22 J**	< 1.0 U
1,1-Dichloroethene	5	< 1.0 U	< 1.0 U	< 4.0 U	**5.9**	< 1.0 U	< 40 U	< 1.0 U
2-Butanone (MEK)	50	< 10 U	< 10 U	**180**	< 100 U	< 10 U	< 400 U	**27**
Acetone	50	**7.9 J**	< 10 U	**46**	< 100 U	< 10 U	< 400 U	**27**
Benzene	1	< 1.0 U	< 1.0 U	**2.4 J**	< 10 U	< 1.0 U	< 40 U	< 1.0 U
Chloroethane	5*	**1.0**	**2.1**	**200**	**17**	< 1.0 U	< 40 U	**7.4**
cis-1,2-Dichloroethene	5*	< 1.0 U	**1.3**	**22**	**2,700**	**3.0**	**2,200**	**1.6**
Methylene Chloride	5	< 1.0 U	< 1.0 U	**11**	< 10 U	< 1.0 U	< 40 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	**10**	**16**	< 1.0 U	< 40 U	**0.54 J**
Trichloroethene	5*	< 1.0 U	< 1.0 U	**5.2**	**9.9 J**	< 1.0 U	< 40 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	**7.3**	**12**	< 1.0 U	< 40 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	**24**	**140**	**1,900**	**1.8**	**1,800**	**1.2**
Total Volatile Organic Compounds	NL	8.9	34.8	666	4,697	6.0	4,022	64.7

Table 3

Summary of January 2019 Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	MW-16S		MW-16D	
Date Collected	RAO/NYCRR	01/09/19		01/10/19	
Lab Sample ID	Objective	480-147748-8		480-147748-11	
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1-Dichloroethane	5*	**930**	**J**	**10**	
1,1-Dichloroethene	5	< 1,000	U	< 1.0	U
2-Butanone (MEK)	50	< 10,000	U	< 5.0	U
Acetone	50	< 10,000	U	**5.6**	**J**
Benzene	1	< 1,000	U	< 1.0	U
Chloroethane	5*	**870**	**J**	**150**	
cis-1,2-Dichloroethene	5*	**50,000**		**37**	
Methylene Chloride	5	< 1,000	U	< 1.0	U
Toluene	5*	< 1,000	U	**1.1**	
Trichloroethene	5*	**550**	**J**	**1.9**	
trans-1,2-Dichloroethene	5	< 1,000	U	< 1.0	U
Vinyl chloride	5*	**76,000**		**20**	
Total Volatile Organic Compounds	NL	128,350		226	

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)
Site-specific RAO Trichloroethene, Xylene, Ethylbenzene, and 1,1,1-Trichloroethane were not detected above the reporting limit.
J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit. Concentrations within this range are estimated.
U - Not detected at or above reporting limit.
NL - Not listed

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	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	04/13/18	07/12/18	10/25/18	01/09/19
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	480-134234-1	480-138781-6	480-144170-17	480-147748-17
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	10 U	10 U	1.0 U
1,1-Dichloroethane	5*	**69**	**130**	10 U	**21**	**20**	5.0 U	**2.8**	**2.4**	**67**	**5.8 J**	10 U	10 U	**40**
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	10 U	10 U	**0.39 J**
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	10 U	10 U	1.0 U
2-Butanone (MEK)	50	**140**	200 U	100 U	**24 J**	200 U	50 U	**10**	**33 J**	**58**	**50 J**	50 U	**21 J**	**34**
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	50 U	50 U	5.0 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	100 U	50 U	25 U	100 U	25 U	5.0 U	5.0 U	5.0 U	50 U	50 U	50 U	**2.3 J**
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	10 U	10 U	**7.8**
Acetone	50	**310**	200 U	100 U	**64**	**65 J**	50 U	**36**	**84**	**160**	**210**	**59 J**	**110**	**82**
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	10 U	10 U	**0.74 J**
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	10 U	10 U	**1.4**
Chloroethane	5*	**15**	20 U	10 U	**9.2**	**15 J**	**24**	**4.1**	**7.6**	**20**	**5.7 J**	10 U	10 U	**16**
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	10 U	10 U	1.0 U
cis-1,2-Dichloroethene	5*	**71**	**130**	10 U	**25**	**16 J**	**12**	**2.4**	**5.3**	**58**	10 U	10 U	10 U	**33**
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	10 U	**4.4 J**	5.0 U
Toluene	5*	**18**	**29**	10 U	**5.7**	20 U	**3.8 J**	**0.74 J**	**3.6**	**14**	10 U	10 U	10 U	**7.0**
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	10 U	10 U	1.0 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	10 U	10 U	**5.4**
Vinyl chloride	5*	**15**	**31**	10 U	**6.8**	20 U	5.0 U	1.0 U	**1.1**	**15**	10 U	10 U	10 U	**13**
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	20 U	20 U	**2.7**

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.
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	
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	
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	
Volatile Organic Compounds by Method 8260 (µg/L)																									
1,1,1-Trichloroethane	5*	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	1.0	U
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**
1,1-Dichloroethene	5	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	1.0	U
1,2-Dichloroethane	0.6	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	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
2-Hexanone	50	25	U	25	U	25	U	5.0	U	25	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone (MIBK)	NL	25	U	25	U	25	U	5.0	U	25	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Ethylbenzene	5	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	1.0	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
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**
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
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**	
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
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
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
Toluene	5*	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	1.0	U
trans-1,2-Dichloroethene	5	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	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
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**	
Xylenes, Total	5*	5.0	U	5.0	U	10	U	2.0	U	10	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	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
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-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	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19
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	NS	480-134234-2	480-138781-8	480-144170-19	480-147748-19
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	NS	25 U	10 U	**11**	100 U
1,1-Dichloroethane	5*	**42**	**24**	20 U	5.0 U	10 U	5.0 U	20 U	**14**	**92**	**34**	NS	25 U	**15**	**88**	**180**
1,1-Dichloroethene	5	**26**	**3.1 J**	20 U	5.0 U	10 U	5.0 U	20 U	**20**	**53**	**11 J**	NS	25 U	**3.5 J**	**38 J**	100 U
1,2-Dichloroethane	0.6	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS	25 U	10 U	10 U	100 U
2-Butanone (MEK)	50	100 U	**610**	**220**	50 U	100 U	50 U	200 U	**10**	200 U	1,000 U	NS	250 U	100 U	100 U	1,000 U
2-Hexanone	50	50 U	50 U	100 U	25 U	50 U	25 U	100 U	**5 U**	100 U	100 U	NS	125 U	50 U	50 U	500 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	50 U	100 U	25 U	50 U	25 U	100 U	**5 U**	100 U	100 U	NS	125 U	50 U	50 U	500 U
Ethylbenzene	5	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS	25 U	10 U	10 U	100 U
Acetone	50	50 U	**110**	**110 J**	50 U	100 U	50 U	200 U	**28**	200 U	500 U	NS	250 U	100 U	**37 J**	1,000 U
Benzene	1	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS	25 U	10 U	10 U	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	NS	25 U	10 U	10 U	100 U
Chloroethane	5*	10 U	**23**	20 U	5.0 U	10 U	5.0 U	20 U	**5.5**	20 U	**14 J**	NS	25 U	10 U	10 U	100 U
Chloromethane	5	10 U	10 U	20 U	5.0 U	10 U	**6**	20 U	1.0 U	20 U	20 U	NS	25 U	10 U	10 U	100 U
cis-1,2-Dichloroethene	5*	**2,700**	**650**	**70**	**18**	**8.7** J	5.0 U	20 U	**4,300**	**11,000**	**1,700**	NS	**78**	**740**	**10,000**	**6,400**
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	NS	25 U	10 U	10 U	100 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	NS	25 U	10 U	**40**	100 U
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**	NS	25 U	10 U	**11**	100 U
Trichloroethene	5*	**6,500**	10 U	20 U	5.0 U	10 U	**3.1 J**	20 U	**190**	**69**	**430**	NS	25 U	**31**	**120**	100 U
Vinyl chloride	5*	**120**	**240**	20 U	**12**	**43**	**10**	**45**	**480**	**10,000**	**430**	NS	**35**	**360**	**2,700**	**9,100**
Xylenes, Total	5	20 U	20 U	20 U	10 U	20 U	10 U	40 U	2.0 U	40 U	40 U	NS	50 U	20 U	20 U	200 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-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	07/11/17	10/23/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19
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	480-121042-19	480-126420-8	480-12995-16	480-134234-4	480-138781-9	480-144170-20	480-147748-20
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	NS	50 U	50 U	10 U	10 U	1.0 U	8.0 U
1,1-Dichloroethane	5*	**8.1**	**130**	**450**	400 U	**2.5**	100 U	**20**	NS	**22 J**	50 U	10 U	**8.4 J**	1.0 U	8.0 U
1,1-Dichloroethene	5	10 U	**30**	**460**	400 U	1.0 U	100 U	**17 J**	NS	**34 J**	50 U	10 U	**7.0 J**	1.0 U	8.0 U
1,2-Dichloroethane	0.6	10 U	**2.2 J**	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U	10 U	**0.65 J**	**15**
2-Butanone (MEK)	50	50 U	**65 J**	1,000 U	4,000 U	10 U	1,000 U	200 U	NS	2,500 U	500 U	100 U	100 U	10 U	80 U
2-Hexanone	50	50 U	50 U	500 U	2,000 U	5 U	500 U	100 U	NS	2,500 U	250 U	50 U	50 U	5.0 U	40 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	50 U	500 U	2,000 U	5 U	500 U	100 U	NS	2,500 U	250 U	50 U	50 U	5.0 U	40 U
Ethylbenzene	5	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U	10 U	1.0 U	8.0 U
Acetone	50	50 U	**46 J**	1,000 U	4,000 U	**6.9 J**	1,000 U	200 U	NS	1,300 U	**190 J**	100 U	100 U	10 U	80 U
Benzene	1	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U	10 U	1.0 U	8.0 U
Carbon Disulfide	60	10 U	**3.4 J**	100 U	400 U	**2.1**	100 U	20 U	NS	50 U	50 U	10 U	10 U	1.0 U	8.0 U
Chloroethane	5*	10 U	**49**	**110**	400 U	**4.6**	100 U	**8 J**	NS	50 U	50 U	10 U	10 U	1.0 U	8.0 U
Chloromethane	5	10 U	10 U	**230**	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U	10 U	1.0 U	8.0 U
cis-1,2-Dichloroethene	5*	**510**	**30,000**	**130,000**	**25,000**	**130**	**4,300**	**4,400**	NS	**6,000**	**2,100**	**320**	**2,600**	**29**	**48**
Methylene Chloride	5	10 U	**8.1 J**	100 U	**260 J**	5.7 J	**81 J**	20 U	NS	250 U	**320**	10 U	10 U	1.0 U	8.0 U
Toluene	5*	10 U	**28**	**140**	400 U	1.0 U	100 U	**7 J**	NS	50 U	50 U	10 U	10 U	1.0 U	8.0 U
trans-1,2-Dichloroethene	5	10 U	**36**	100 U	400 U	1.0 U	100 U	**76**	NS	50 U	50 U	10 U	10 U	1.0 U	8.0 U
Trichloroethene	5*	**630**	**93**	**120**	**400**	**1.4**	100 U	**120**	NS	**13 J**	**47 J**	10 U	**34**	1.0 U	8.0 U
Vinyl chloride	5*	**31**	**4,700**	**37,000**	**12,000**	**44**	**1,100**	**1,400**	NS	**3,700**	**430**	**62**	**810**	**18**	**500**
Xylenes, Total	5	**50 U**	**50 U**	**500 U**	**200 U**	**5 U**	**500 U**	100 U	NS	150 U	100 U	20 U	20 U	2.0 U	16 U

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Table 4

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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
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
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
Volatile Organic Compounds by Method 8260 (µg/L)															
1,1,1-Trichloroethane	5*	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	1.0 U	10 U	40 U	50 U	50 U	10 U
1,1-Dichloroethane	5*	**160**	**30**	**59**	**17**	**110**	**150**	**44**	**45**	**100**	**66**	**140**	**87**	50 U	**35**
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
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
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**
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
4-Methyl-2-pentanone (MIBK)	NL	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
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
Acetone	50	**120**	**240**	**340**	**120**	**180**	**160 J**	200 U	**200**	25 U	**90 J**	**120 J**	500 U	500 U	**40 J**
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
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**
Chloroethane	5*	**46**	**51**	**81**	**87**	**120**	**130**	**38**	**60**	**84**	**80**	**150**	**100**	50 U	**32**
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	20 U	8.0 U	1.0 U	10 U	40 U	50 U	50 U	10 U
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**
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
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**
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
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**
Vinyl chloride	5*	**71**	**180**	**170**	**71**	**1,600**	**6,400**	**570**	**190**	**1,600**	**250**	**2,200**	**1,700**	**660**	**410**
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

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Table 4

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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	
Date Collected	RAO/ NYCRR	10/25/18		01/09/19	
Lab Sample ID	Objective	480-144170-4		480-147748-20	
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1,1-Trichloroethane	5*	20	U	1.0	U
1,1-Dichloroethane	5*	**700**		**13**	
1,1-Dichloroethene	5	**47**	**J**	1.0	U
1,2-Dichloroethane	0.6	20	U	1.0	U
2-Butanone (MEK)	50	**380**		10	U
2-Hexanone	50	100	U	5.0	U
4-Methyl-2-pentanone (MIBK)	NL	**42**	**J**	5.0	U
Ethylbenzene	5	20	U	1.0	U
Acetone	50	**1,700**		10	U
Benzene	1	20	U	1.0	U
Carbon Disulfide	60	20	U	1.0	U
Chloroethane	5*	20	U	1.0	U
Chloromethane	5	20	U	1.0	U
cis-1,2-Dichloroethene	5*	**310**		**7.2**	
Methylene Chloride	5	**12**	**J**	1.0	U
Toluene	5*	**13**	**J**	1.0	U
trans-1,2-Dichloroethene	5	20	U	1.0	U
Trichloroethene	5*	**17**	**J**	**1.3**	
Vinyl chloride	5*	**180**		**3.3**	
Xylenes, Total	5	20	U	2.0	U

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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
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
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
Volatile Organic Compounds by Method 8260 (µg/L)															
1,1,1-Trichloroethane	5*	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U	10 U	10 U	2.0 U
1,1-Dichloroethane	5*	**460**	**250**	**390**	**63**	20 U	**91**	**120**	**45**	**67**	10 U	**65**	**28**	10 U	2.0 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
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-Butanone (MEK)	50	50 U	**150 J**	**940**	**530**	**210**	**270**	**280**	**120 J**	**67**	100 U	**130 J**	**50 J**	**18 J**	**25**
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**
4-Methyl-2-pentanone (MIBK)	NL	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	10 U
Ethylbenzene	5	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U	10 U	10 U	2.0 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**
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
Carbon Disulfide	60	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U	10 U	10 U	2.0 U
Chloroethane	5*	**11**	**27**	**260**	**260**	**110**	**530**	**360**	**450**	**340**	**340**	**390**	**320**	**190**	**120**
Chloromethane	5	**10** U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U	10 U	10 U	2.0 U
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**
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
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**
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
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**
Vinyl chloride	5*	**580**	**470**	**780**	**300**	20 U	**50**	**270**	**110**	**25**	10 U	**59**	**130**	10 U	**23**
Xylenes, Total	5	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	20 U	40 U	20 U	20 U	4.0 U

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Table 4

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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
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
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
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
1,1-Dichloroethane	5*	**140**	**590**	**58**	**22**	**130**	50 U	**310**	**4.4**	**50**	**71**	**28**	**330**	**240**
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**
1,2-Dichloroethane	0.6	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	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
2-Hexanone	50	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5 U	100 U	100 U	100 U	100 U	100 U
4-Methyl-2-pentanone (MIBK)	NL	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5 U	100 U	100 U	100 U	100 U	100 U
Ethylbenzene	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	20 U	20 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
Benzene	1	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	20 U	20 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
Chloroethane	5*	50 U	**54**	**44**	**12**	40 U	50 U	100 U	**1.8**	**22**	**30**	20 U	**62**	20 U
Chloromethane	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	20 U	20 U
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**
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
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**
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**
Trichloroethene	5*	**230**	**92**	**5.4**	**8.4**	**98**	**36 J**	100 U	**6.6**	**11 J**	**65 J**	**40**	20 U	**13 J**
Vinyl chloride	5*	**1,400**	**1,700**	**110**	**140**	**920**	**480**	**2,300**	1.0 U	**410**	**480**	**120**	**1,800**	**2,800**
Xylenes, Total	5	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5.0 U	40 U	40 U	40 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
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 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
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
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	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	01/09/19
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	480-147748-15
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	**0.38** J
2-Butanone (MEK)	50	< 10 U	< 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	< 10 U
Chloroethane	5*	**26**	**65**	**45**	**64**	**53**	**49**	**38**	**28**
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	**0.93** J
Ethylbenzene	5	< 1.0 U	< 1.0 U	**0.19** J	< 1.0 U	< 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	**0.80** J
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	< 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	< 2.0 U
Total Volatile Organic Compounds	NA	27	65	45	69	64	49	38	30

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 2019
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	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	ND	ND
MW-3	<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	NA*	>99%
MW-6[2]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	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	NA*	>99%
MW-10[2]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	NS	NA	NA
MW- 11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<4	<1	ND	ND
MW-12[2]	NS	<1	<1	<1	<1	<5	<5	<1	<4	<1	<1	<1	<1	<4	<5	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	ND	ND
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	NA*	>99%

Notes:
(1) New baseline established following November 2014 injection pilot study.
(2) Well was decommissioned
ND - Not Detected
NA - Not Available
NA* - Not Available as result is below previous detection level
NS - Not Sampled

Table 7

Vapor Monitoring Results - January 2019
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	LRP Effluent 1Q19 Not Sampled	AS Effluent 1Q19 1/8/2019
VOCs by Method TO-15 (µg/m^3)		
1,2-Dichloroethene, Total	NA	1.5
2,2,4-Trimethylpentane	NA	2.6
Benzene	NA	1.2
Chloroethane	NA	34
Cyclohexane	NA	0.93
n-Hexane	NA	2.9
Toluene	NA	4.6
Vinyl chloride	NA	1.0
Total Detected VOCs (µg/m^3)	NA	49
Vacuum (inches Hg)	NA	5.5
Air Flow Rate (acfm)	NA	170
VOC discharge loading (lb/hr)	NA	0.00003
Total VOC discharge loading (lb/hr)	**0.00003**	

Notes:

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

Qualifiers:

U - Not detected at or above reporting limit (reporting limit not included in the Total Detected VOCs).

APPENDIX A

Field Forms

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/9/2018
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-2
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy
Air Temperature: 30 ° F
Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.25 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 9.15 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 1.49145 gal
3 Casing Volumes = 4.47435 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 1.5 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 690.35 1/100 ft
Height of Riser (above land surface): 1/100 ft
Land Surface Elevation: 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 (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	9:15	9:20	9:25	9:30	9:35			
Depth to Groundwater Below Top of Casing (ft)	7.90	8.69	9.75	10.23	10.50			
Drawdown (ft)	0.65	0.79	1.06	0.48	0.27			
pH (S.U.)	7.16	7.19	7.2	7.23	7.23			
Sp. Cond. (mS/cm)	0.578	0.570	0.570	0.561	0.542			
Turbidity (NTUs)	63.4	46.2	21.7	17.4	10.1			
Dissolved Oxygen (mg/L)	1.24	0.84	0.31	0.30	0.28			
Water Temperature (°C)	11.3	11.2	11.1	11.1	11.1			
ORP (mV)	-129.4	-127.3	-123.8	-118.5	-116.0			

Physical appearance at start: Color clear; Odor no; Sheen/Free Product no

Physical appearance at sampling: Color clear; Odor no; Sheen/Free Product no

COMMENTS/OBSERVATIONS: Began purge at 9:13
Sample time at 9:40

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/9/2019
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-3
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy, windy
Air Temperature: 30
Total Depth (TWD) Below Top of Casing = 28 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 12.25 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.6 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 2 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			
Time (Military)	10:25	10:30	10:35	10:40	10:45			
Depth to Groundwater Below Top of Casing (ft)	12.68	12.94	13.20	13.45	13.54			
Drawdown (ft)	0.43	0.26	0.26	0.25	0.09			
pH (S.U.)	7.33	7.34	7.33	7.33	7.32			
Sp. Cond. (mS/cm)	1.340	1.18	1.12	1.10	1.08			
Turbidity (NTUs)	120.0	76.8	43.1	22.8	13.4			
Dissolved Oxygen (mg/L)	1.26	0.58	0.33	0.33	0.34			
Water Temperature (°C)	10.8	10.8	10.8	10.9	10.9			
ORP (mV)	-120.5	-118.6	-117.3	-117.2	-117.7			

Physical appearance at start — Color: orange; Odor: no; Sheen/Free Product: no

Physical appearance at sampling — Color: clear; Odor: no; Sheen/Free Product: no

COMMENTS/OBSERVATIONS: Began purge at 10:14. Iron bacteria present. Let pump without flow through cell until it cleared up
Sample time at 10:50

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/10/2019
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-4
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy, light snow
Air Temperature: 22 ° F
Total Depth (TWD) Below Top of Casing = 26 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.95 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.62 gal
3 Casing Volumes = 7.85 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3 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 (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	250	250	250	250	250			
Time (Military)	10:55	11:00	11:05	11:10	11:15			
Depth to Groundwater Below Top of Casing (ft)	10.65	11.60	12.95	13.24	13.65			
Drawdown (ft)	0.70	0.95	1.35	0.29	0.41			
pH (S.U.)	6.08	6.08	6.07	6.03	6.01			
Sp. Cond. (mS/cm)	3.72	3.71	3.70	3.70	3.70			
Turbidity (NTUs)	1124	1225	1167	1190	1225			
Dissolved Oxygen (mg/L)	0.66	0.34	0.19	0.18	0.16			
Water Temperature (°C)	10.4	10.6	10.8	11	11			
ORP (mV)	-102.8	-105.7	-108.3	-108.6	-110.1			

Physical appearance at start — Color: clear, hazy; Odor: no; Sheen/Free Product: no

Physical appearance at sampling — Color: hazy; Odor: yes; Sheen/Free Product: no

COMMENTS/OBSERVATIONS: Began purge at 10:53
Sample time at 11:20 (Possible trace injectite in well)

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/10/2019
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-8R
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy, light snow
Air Temperature: 21
Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.95 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 19.55 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.19 gal
3 Casing Volumes = 9.56 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 1.75 gal

Casing Diameter: 2 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 (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	Dup

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	200	
Time (Military)	9:55	10:00	10:05	10:10	10:15	10:20	10:25	
Depth to Groundwater Below Top of Casing (ft)	8.71	9.58	10.25	11.37	11.90	12.45	12.62	
Drawdown (ft)	0.76	0.87	0.67	1.12	0.53	0.55	0.17	
pH (S.U.)	6.63	6.72	6.71	6.71	6.71	6.71	6.71	
Sp. Cond. (S/cm)	1.78	1.80	1.80	1.80	1.80	1.80	1.80	
Turbidity (NTUs)	738	677	204	55.3	28.5	12.4	2	
Dissolved Oxygen (g/L)	0.2	0.18	0.11	0.07	0.06	0.04	0.05	
Water Temperature (°C)	10.1	10.5	11.3	11.4	11.4	11.4	11.4	
ORP (mV)	-120.2	-130.8	-150.1	-155.7	-156.0	-156.1	-158.7	

Physical appearance at start: Color clear; Odor yes; Sheen/Free Product no

Physical appearance at sampling: Color clear; Odor yes; Sheen/Free Product no

COMMENTS/OBSERVATIONS: Began purge at 9:53
Sample time at 10:30

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/9/2019
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-11
Upgradient ____ Downgradient ____
Weather Conditions: Snowing, cloudy, windy
Air Temperature: 29

Total Depth (TWD) Below Top of Casing = 28.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 12.27 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 16.23 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.6 gal
3 Casing Volumes = 8 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 1.5 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	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	11:25	11:30	11:35	15:05	15:10			
Depth to Groundwater Below Top of Casing (ft)	12.30	12.30	12.32	12.35	12.35			
Drawdown (ft)	0.03	0.00	0.02	0.03	0.00			
pH (S.U.)	6.36	6.47	6.50	6.55	6.58			
Sp. Cond. (mS/cm)	5.030	5.58	5.90	5.93	6.01			
Turbidity (NTUs)	1030	809	20.3	18.1	16.7			
Dissolved Oxygen (mg/L)	0.76	0.58	0.41	0.38	0.37			
Water Temperature (°C)	9.3	12.3	12.3	12.3	12.3			
ORP (mV)	-103.2	-100.1	-80.6	-79.2	-78.0			

Physical appearance at start: Color clear; Odor no; Sheen/Free Product no

Physical appearance at sampling: Color clear; Odor no; Sheen/Free Product no

COMMENTS/OBSERVATIONS: Began purge at 11:22
Sample time at 11:50. Duplicate taken at this well

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/9/2019
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-13S
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy, windy
Air Temperature: 30 ° F
Total Depth (TWD) Below Top of Casing = 16.0 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 13.90 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 2.1 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 0.34 gal
3 Casing Volumes = 1.03 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3 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 (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)								
Time (Military)	9:05	10:07	11:15					
Depth to Groundwater Below Top of Casing (ft)	15.32	15.38	15.55					
Drawdown (ft)								
pH (S.U.)	6.74	6.50	6.57					
Sp. Cond. (mS/cm)	1.41	2.12	2.36					
Turbidity (NTUs)		1100	786					
Dissolved Oxygen (mg/L)	0.43	0.22	0.20					
Water Temperature (°C)	10.1	10.40	9.8					
ORP (mV)	-112.0	-139.3	-141.9					

Physical appearance at start: Color Dark/ silty; Odor yes; Sheen/Free Product no

Physical appearance at sampling: Color Silty; Odor none; Sheen/Free Product no

COMMENTS/OBSERVATIONS: Well under pressure. Began purge at 8:59, WL: 13.8. Let pump without flow through cell until water cleared up. Dry at 9:07. Return at 10:05, WL: 14.05. Dry at 10:08. Return at 11:13, WL: 14.4. Dry at 11:16. Return at 13:18, WL: 13.55. Sample at 13:20

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/10/2019
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-13D
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy, snowing
Air Temperature: 22 ° F
Total Depth (TWD) Below Top of Casing = 23.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.87 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 13.63 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.22 gal
3 Casing Volumes = 6.67 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3 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 (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150			
Time (Military)	9:10	9:15	9:20	9:25	9:30			
Depth to Groundwater Below Top of Casing (ft)	10.17	11.85	12.50	12.84	13.15			
Drawdown (ft)	0.30	1.68	0.65	0.34	0.31			
pH (S.U.)	6.65	6.6	6.57	6.51	6.47			
Sp. Cond. (mS/cm)	1.78	1.72	1.69	1.77	1.800			
Turbidity (NTUs)	137	86.4	47.9	28.2	13.1			
Dissolved Oxygen (mg/L)	0.65	0.57	0.42	0.4	0.31			
Water Temperature (°C)	8.6	8.6	8.7	8.8	8.8			
ORP (mV)	-110.4	-105.3	-101.7	-98.4	-96.9			

Physical appearance at start — Color: clear; Odor: yes; Sheen/Free Product: no

Physical appearance at sampling — Color: clear; Odor: yes; Sheen/Free Product: no

COMMENTS/OBSERVATIONS: Began purge at 9:07
Sample time at 9:35

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/9/2019
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-16S
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy
Air Temperature: 30 ° F
Total Depth (TWD) Below Top of Casing = 15.4 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.09 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 8.31 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 1.4 gal
3 Casing Volumes = 4 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)								
Time (Military)	8:45	9:57	11:03					
Depth to Groundwater Below Top of Casing (ft)	NA	NA	14.91					
Drawdown (ft)	NA	NA	NA					
pH (S.U.)	NA	6.93	6.63					
Sp. Cond. (mS/cm)	NA	3.64	3.65					
Turbidity (NTUs)	NA	1645	69.7					
Dissolved Oxygen (mg/L)	NA	0.14	0.47					
Water Temperature (°C)	NA	10	9					
ORP (mV)	NA	-96.9	-87.7					

Physical appearance at start: Color Milky white; Odor yes, injectite smell
Sheen/Free Product: no

Physical appearance at sampling: Color silty, a little injectite; Odor slight
Sheen/Free Product: no

COMMENTS/OBSERVATIONS: Began purge at 8:43, WL: 7.09. Pulling straight injectite. Purged well dry, about 0.25 gallons without parameters. Return at 9:54, WL: 13.27. Gray water, dry at 10:00 Returned at 11:00, WL: 13.2, Clear water. Dry at 11:06. Return at 13:20, WL: 13.15. Sample time 13:40.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 1/10/2019
Field Personnel: Sean P. Connelly
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-16D
Upgradient ____ Downgradient ____
Weather Conditions: Cloudy, light snow
Air Temperature: 24 ° F
Total Depth (TWD) Below Top of Casing = 24 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 12.62 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 11.38 1/100 ft
1 Casing Volume (OCV) = LWC x 0.041 = 0.47 gal
3 Casing Volumes = 1.40 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 2.5 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 (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150			
Time (Military)	8:15	8:20	8:25	8:30	8:40			
Depth to Groundwater Below Top of Casing (ft)	14.52	15.20	15.87	16.95	17.05			
Drawdown (ft)	1.90	0.68	0.67	1.08	0.10			
pH (S.U.)	7.3	7.28	7.28	7.26	7.29			
Sp. Cond. (mS/cm)	2.05	1.77	1.69	1.67	1.610			
Turbidity (NTUs)	27.50	24.50	20.30	19.7	18.4			
Dissolved Oxygen (g/L)	0.38	0.35	0.22	0.20	0.19			
Water Temperature (°C)	10.90	10.80	10.9	10.9	10.9			
ORP (mV)	-161.9	-162.7	-162.8	-164.4	-166.1			

Physical appearance at start — Color: gray; Odor: slight; Sheen/Free Product: no

Physical appearance at sampling — Color: clear; Odor: yes; Sheen/Free Product: no

COMMENTS/OBSERVATIONS: Began purge at 8:13
Sample at 8:45

APPENDIX B

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

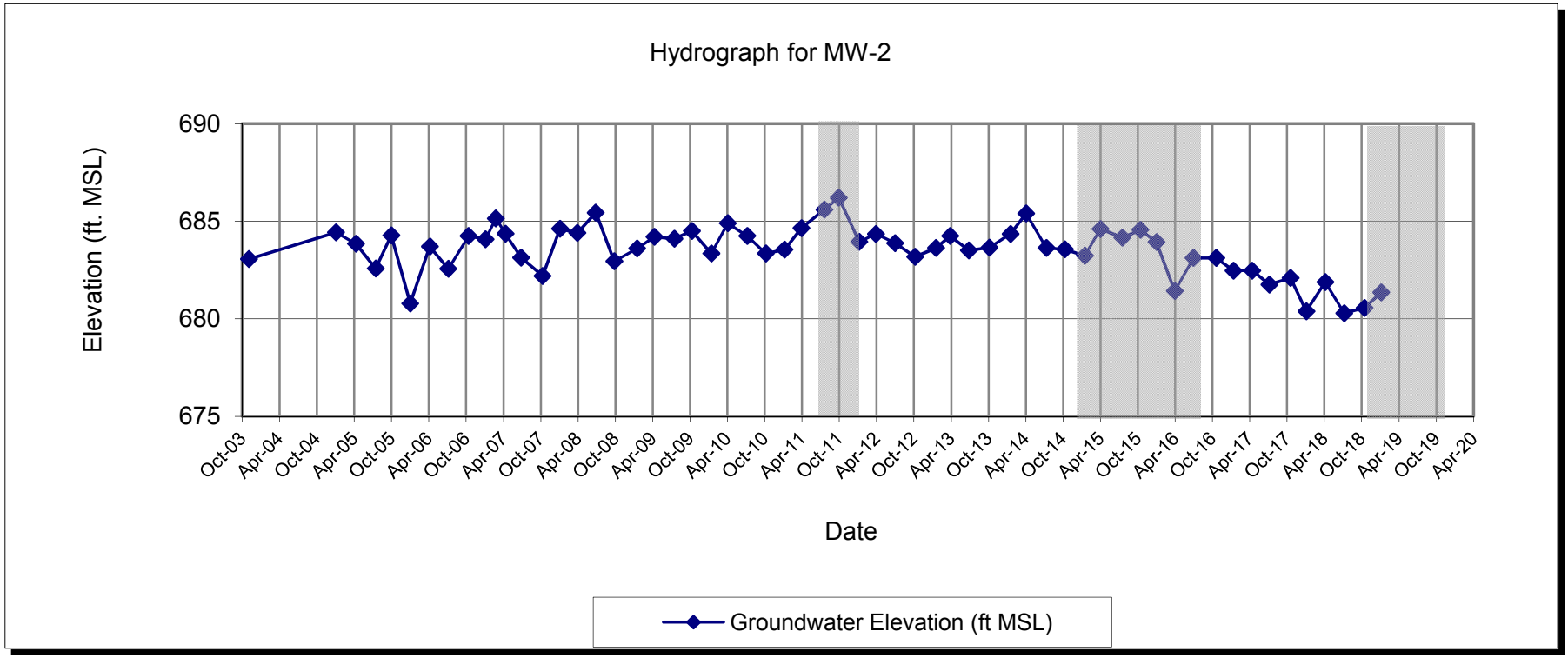
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 690.35
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured June 13, 2008 at 687.1.
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

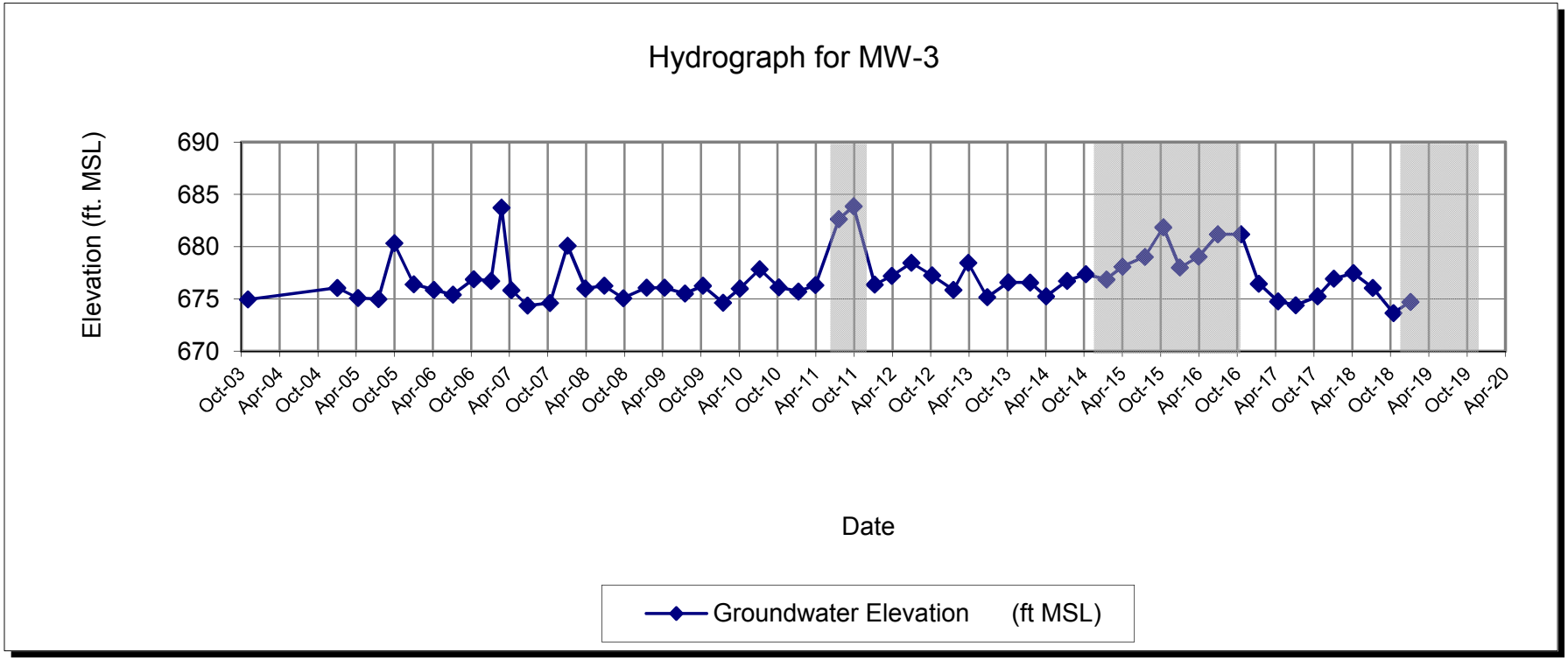
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.72
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured June 13, 2008 at 687.02
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

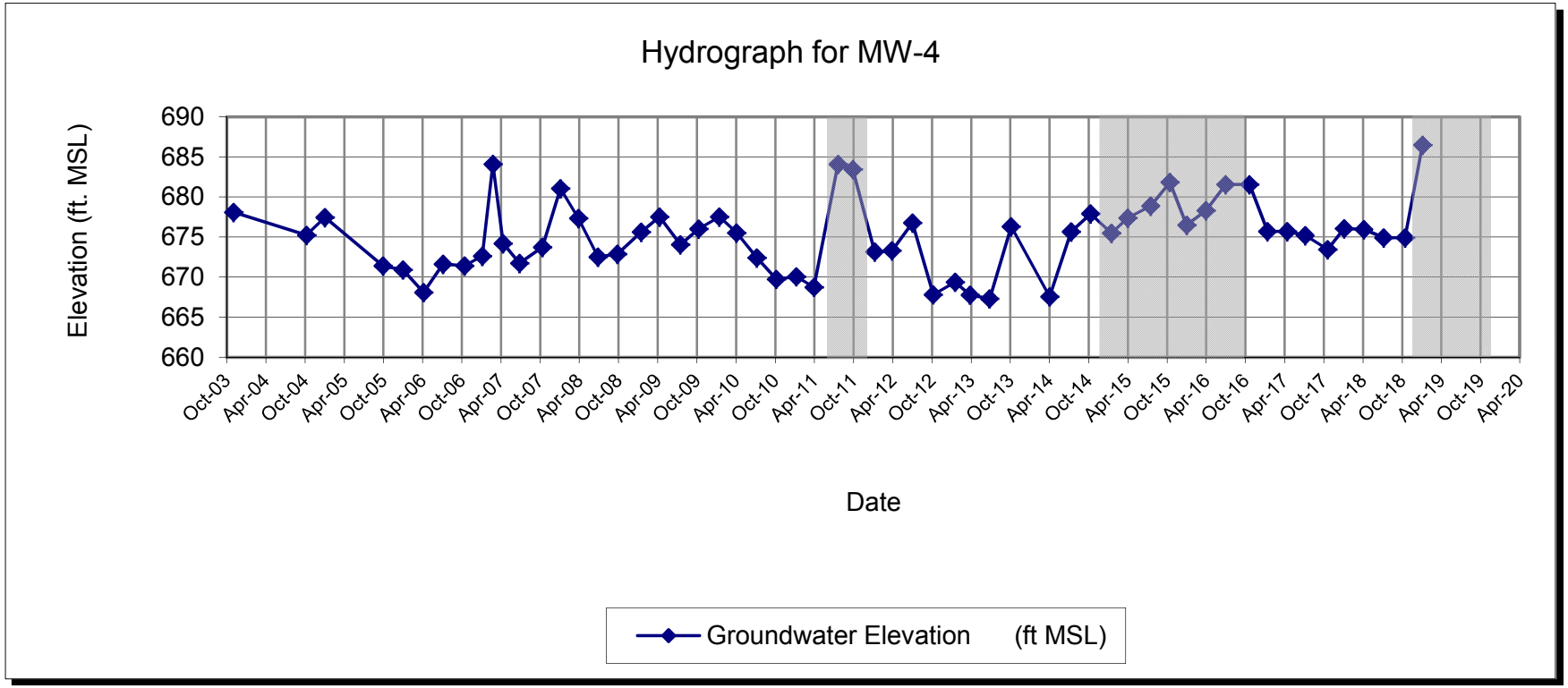


MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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	686.50

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

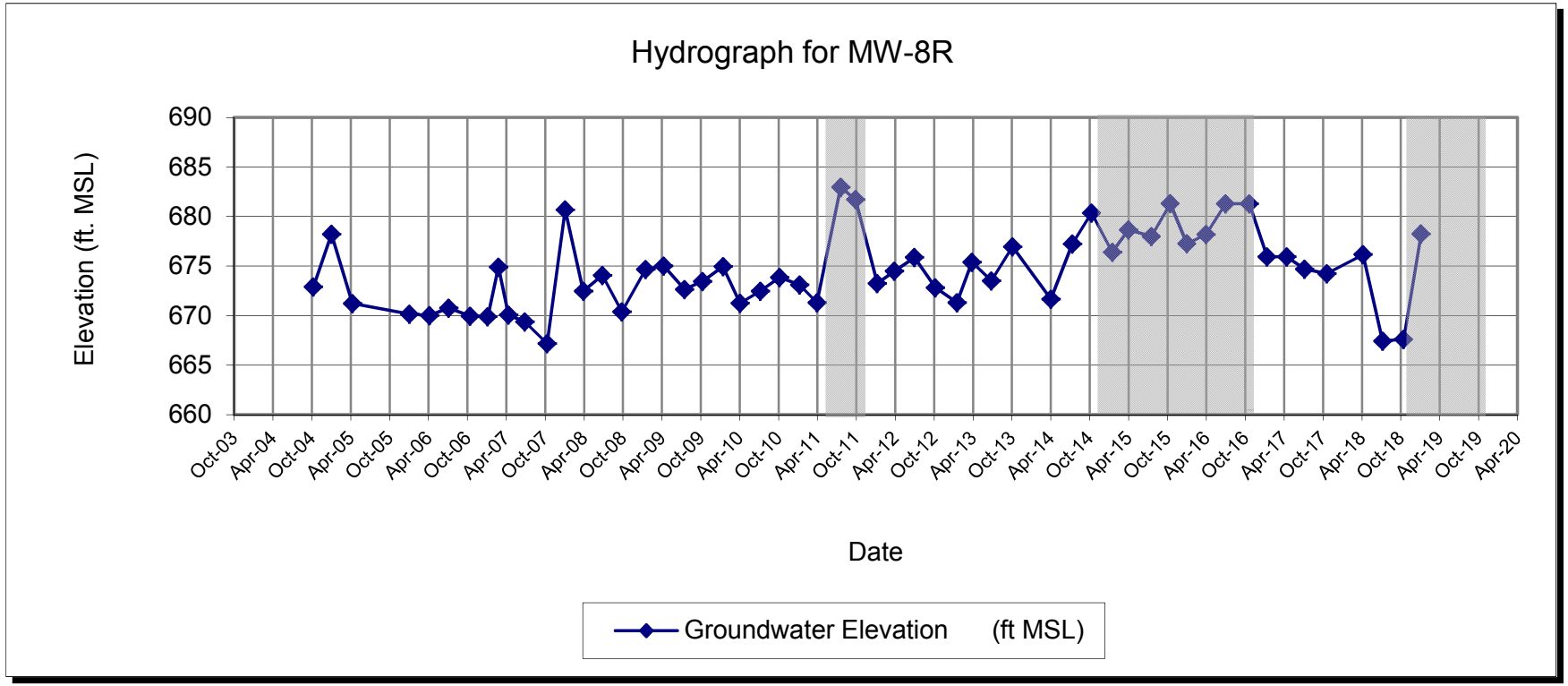


MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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
1/8/2018	NM	NA
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

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

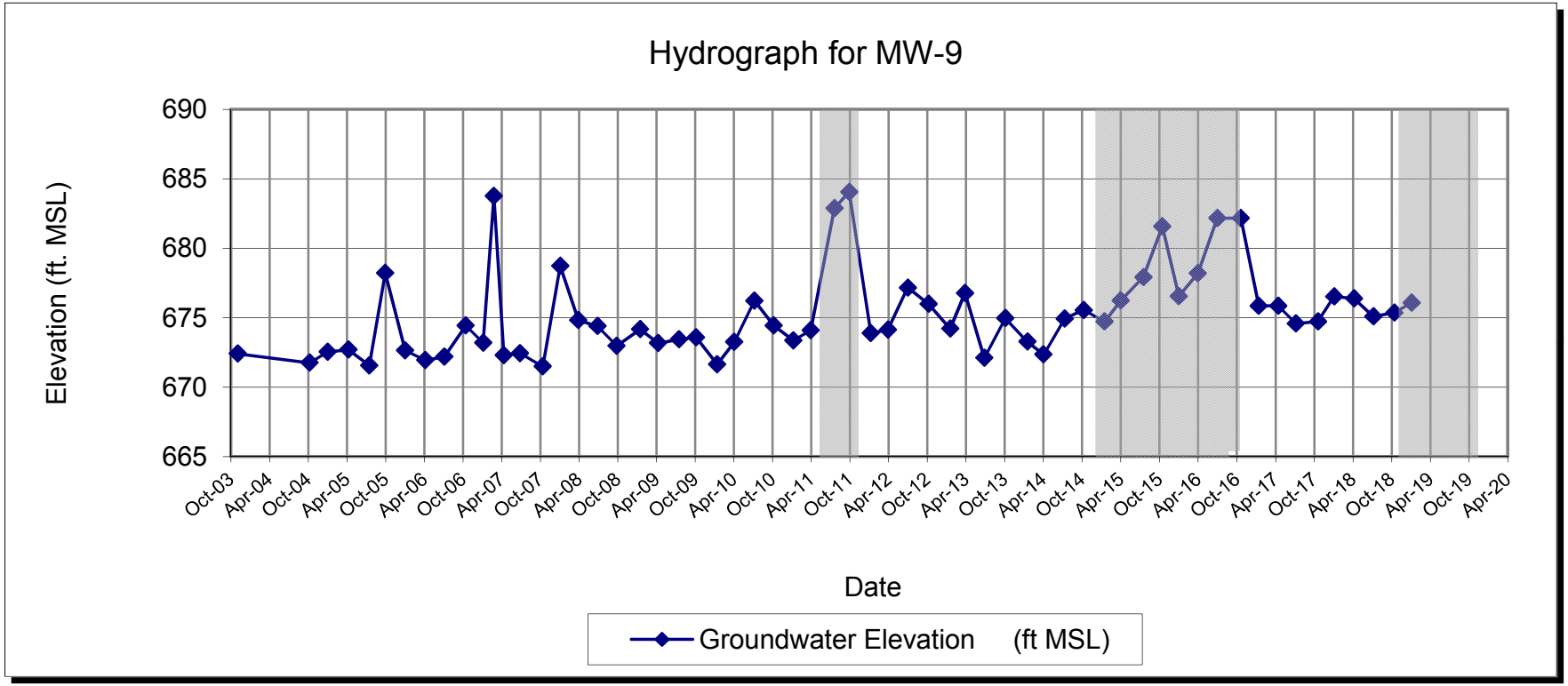
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.43
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 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

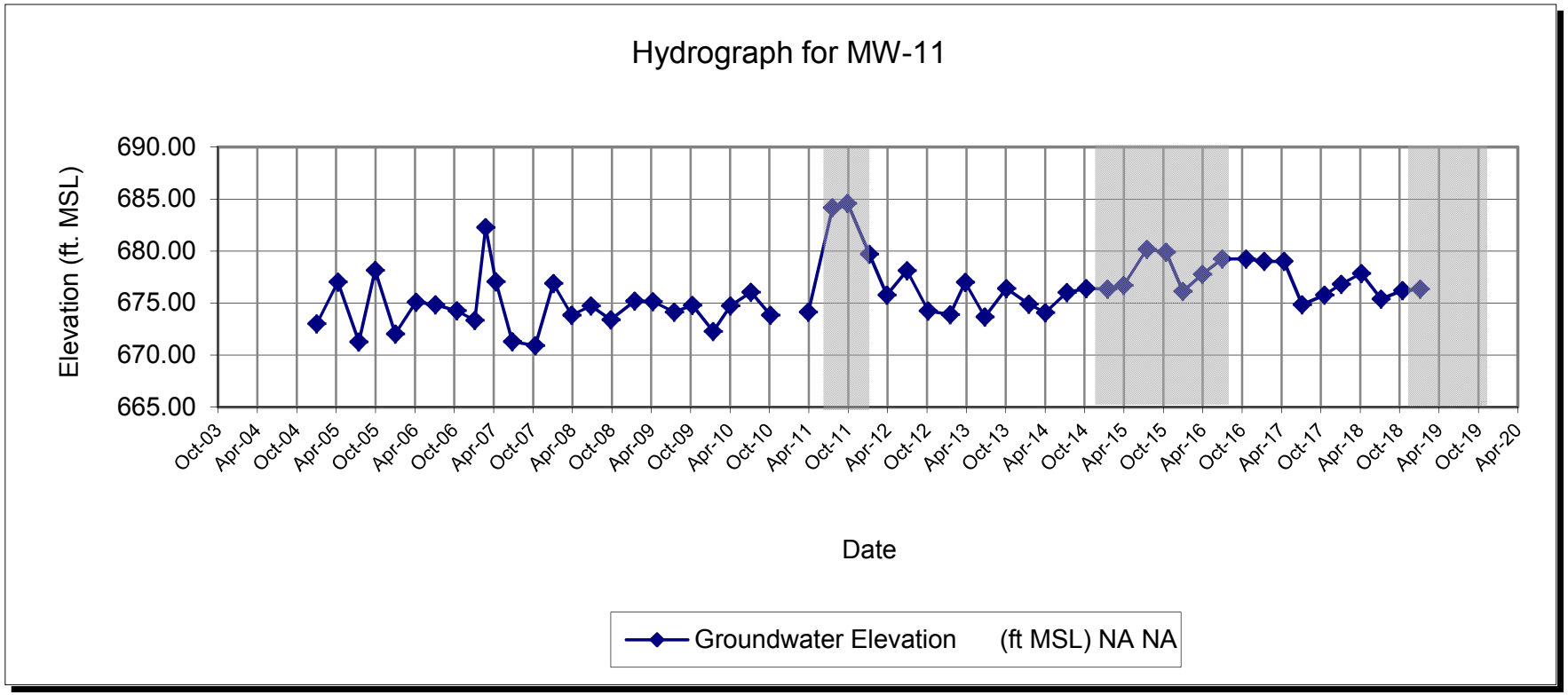


MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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

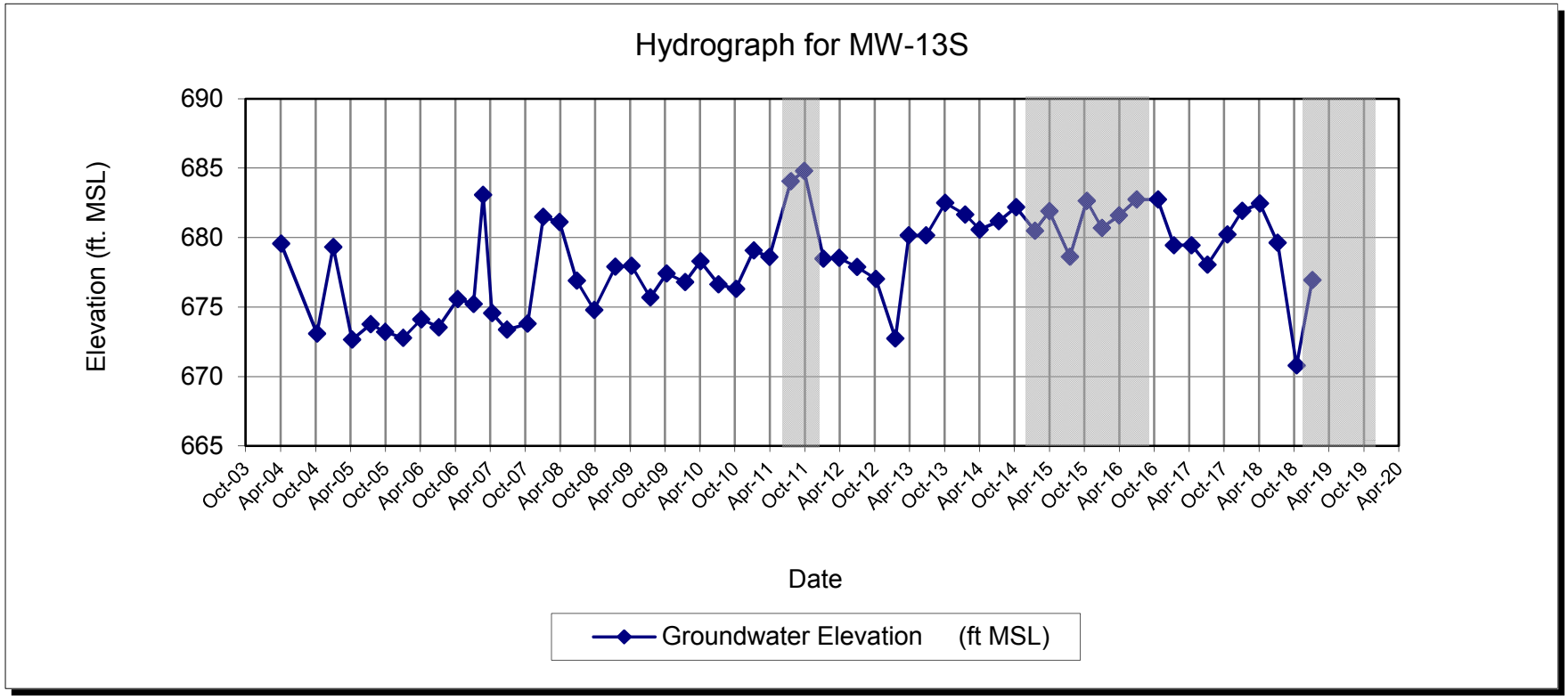
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.57
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 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

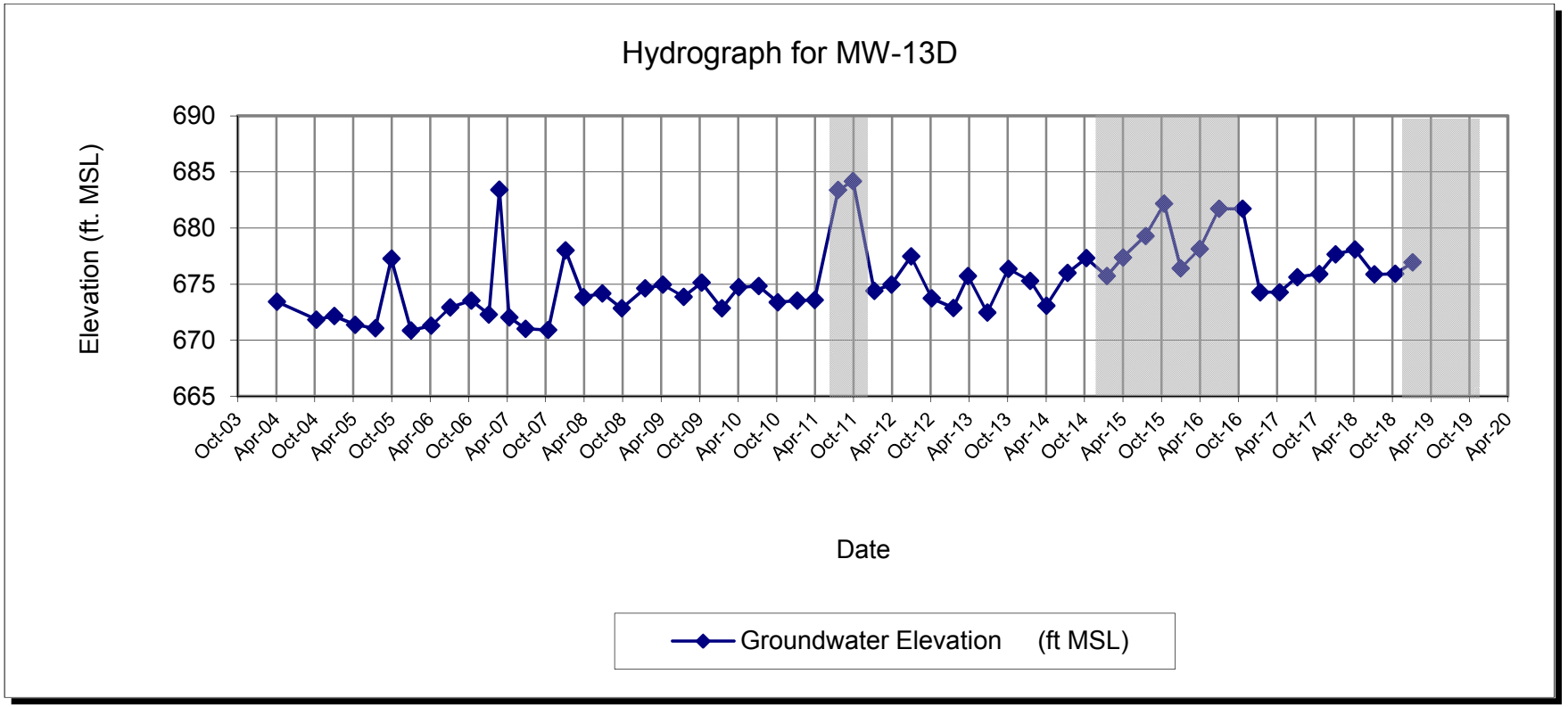
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.71
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 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	NA
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

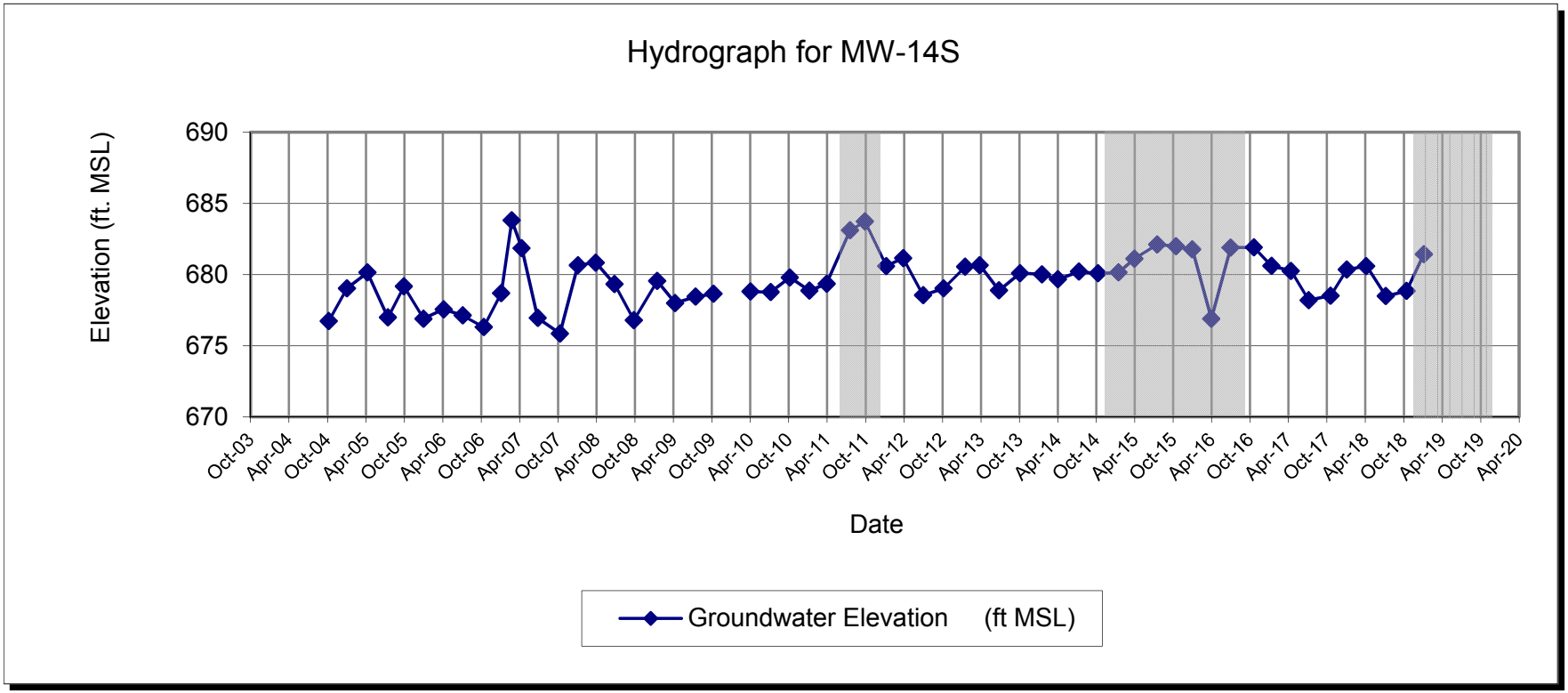
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.31
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 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

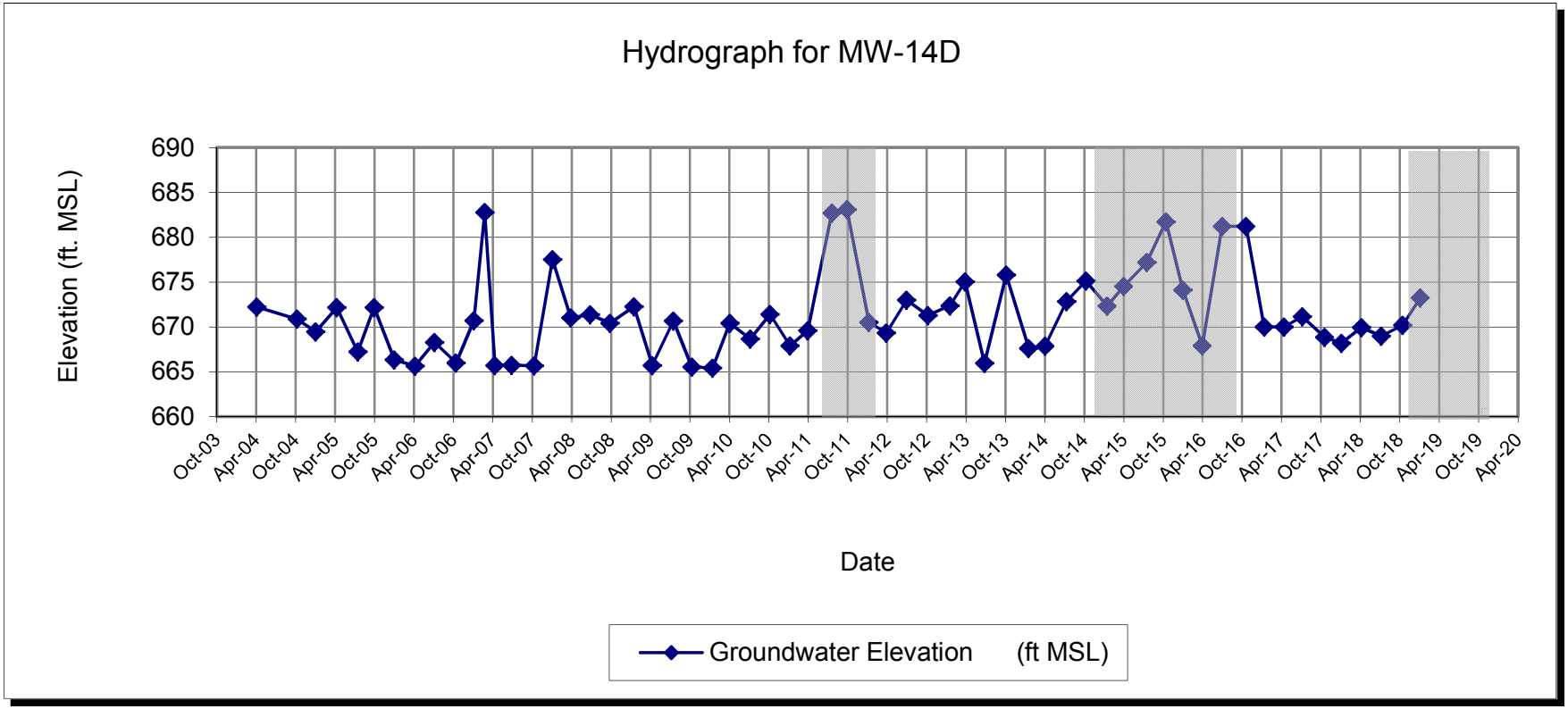


MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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

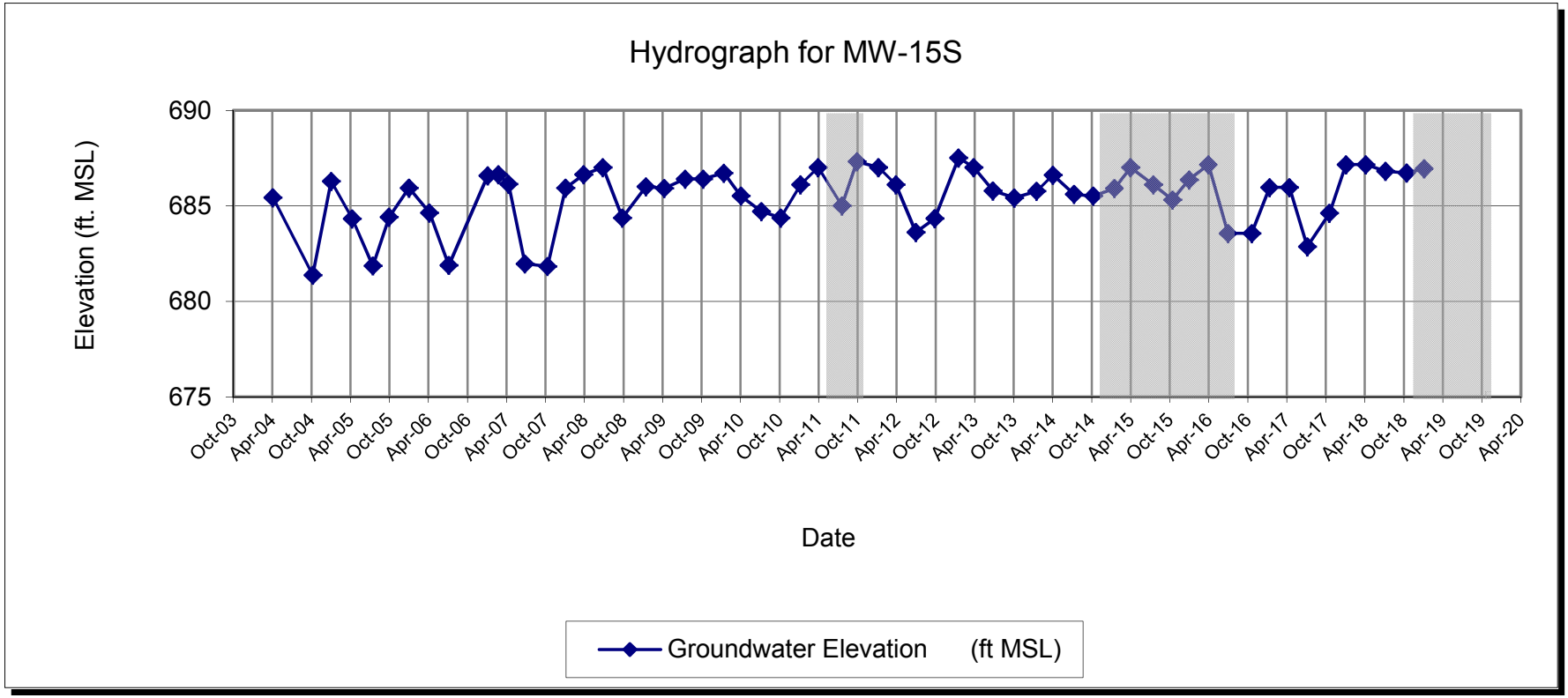


MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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

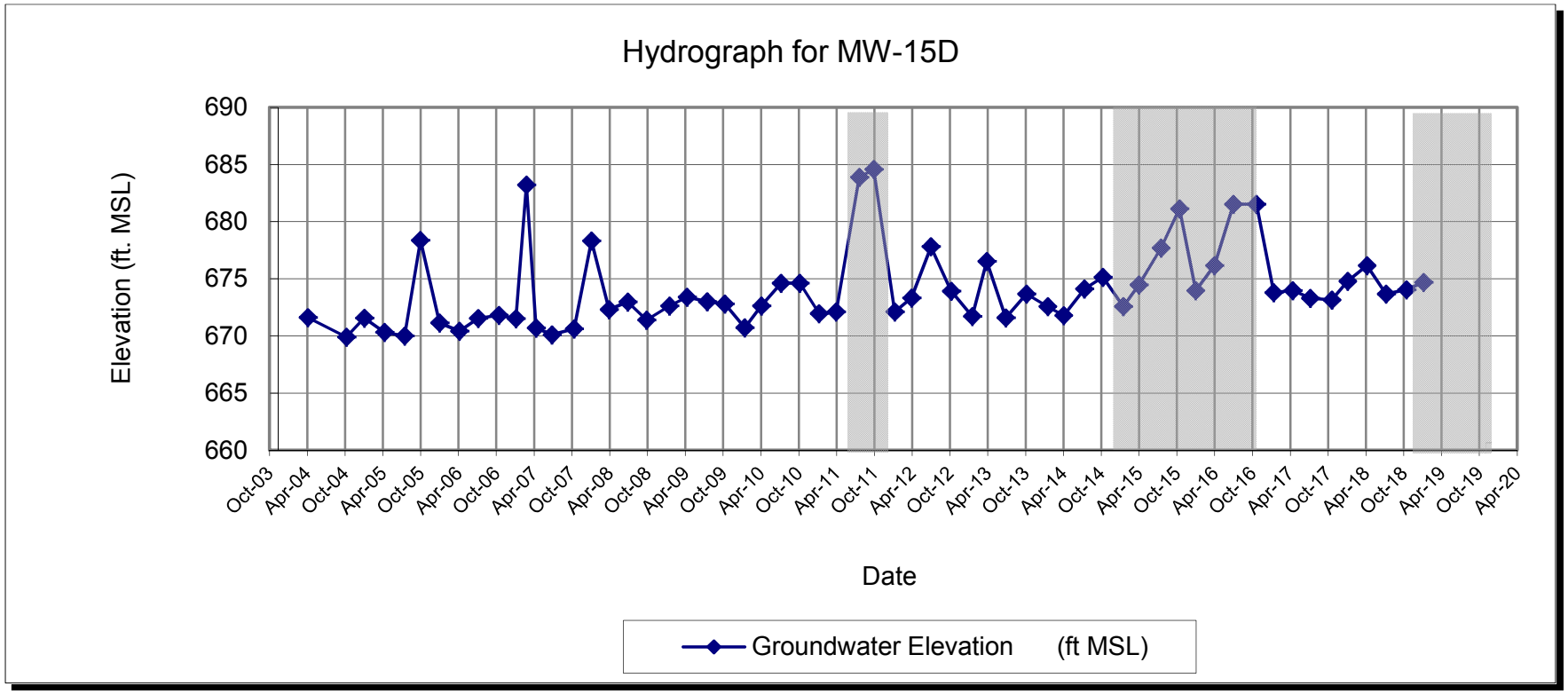


MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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

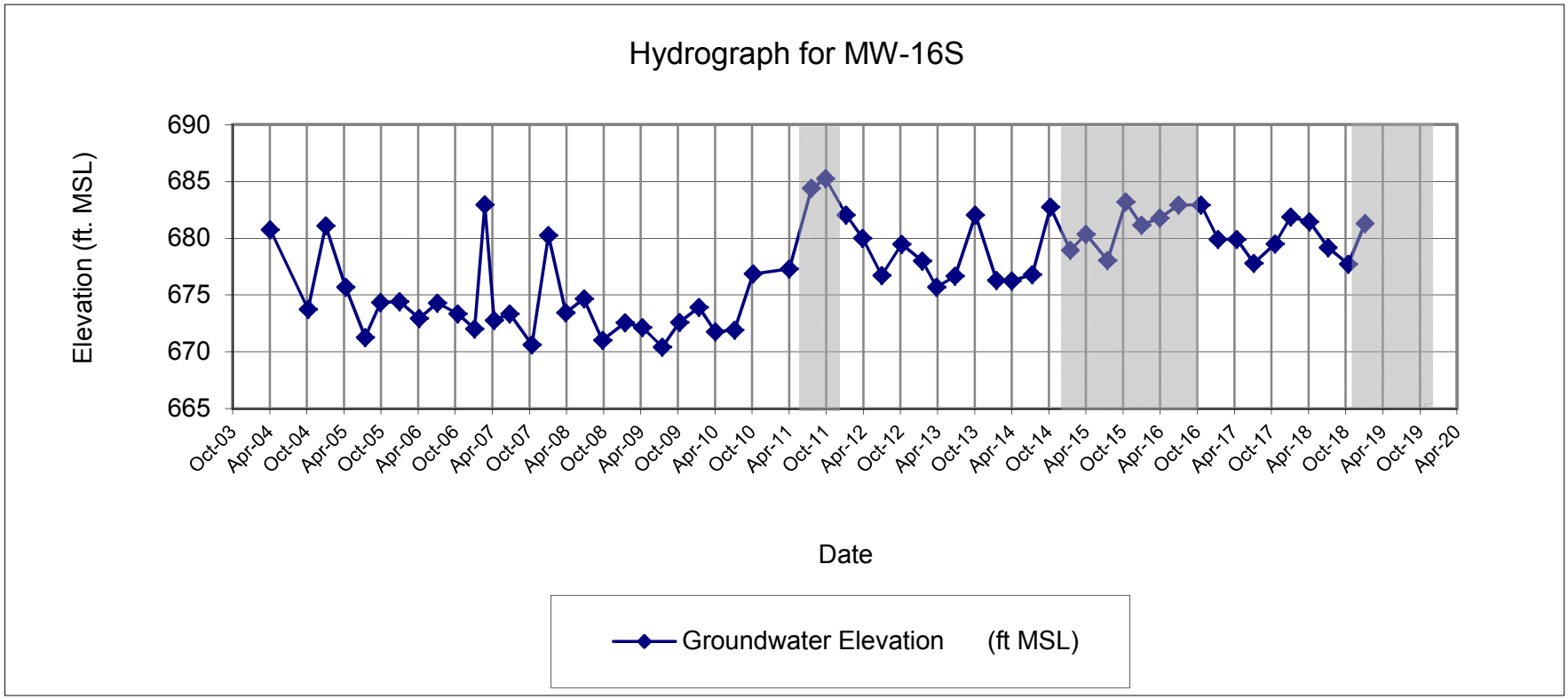


MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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

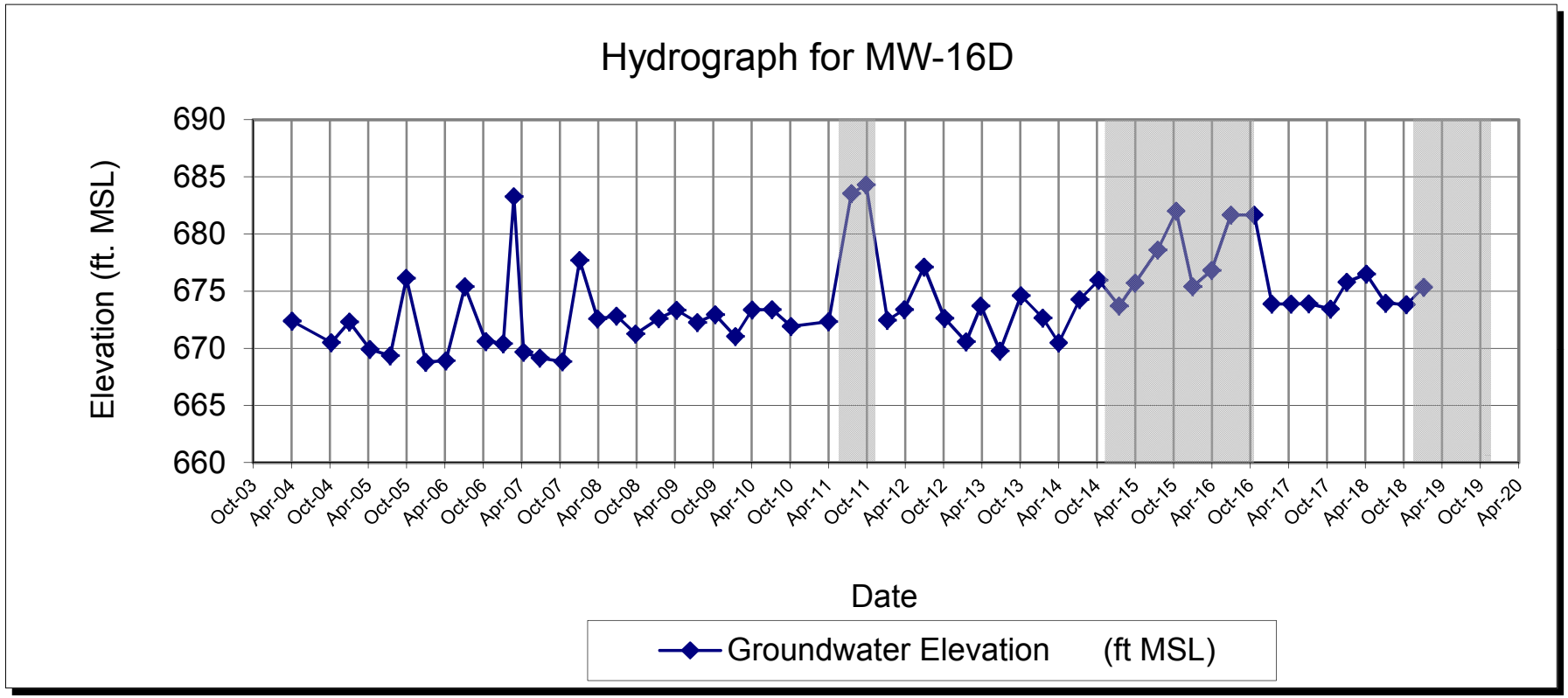
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.01
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 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



AECOM

APPENDIX C

Analytical Laboratory Data
(Full data reports contained on attached CD ROM)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-147748-1
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

Authorized for release by:
1/24/2019 10:32:00 AM

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

Table of Contents

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.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.

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: 480-147748-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-147748-1

Comments
No additional comments.

Receipt
The samples were received on 1/10/2019 2:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DPE-8 (480-147748-7), MW-16S (480-147748-8), MW-13S (480-147748-12) and MW-8R (480-147748-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-16S (480-147748-8) and MW-13S (480-147748-12). The samples were analyzed within 7 days per EPA recommendation.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-454651 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloro-1,2,2-trifluoroethane and 1,1-Dichloroethene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect above the reporting limits (RLs) for these analyte, the data have been reported. The following samples are impacted: MW-4 (480-147748-3), DPE-6 (480-147748-4), DPE-7 (480-147748-5), MW-11 (480-147748-6), DPE-8 (480-147748-7), Duplicate (480-147748-9), MW-16D (480-147748-11), GWCT (480-147748-15), Trip Blank (480-147748-16) and DPE-2 (480-147748-18).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-147748-3), DPE-7 (480-147748-5), DPE-8 (480-147748-7) and MW-16D (480-147748-11). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-4 (480-147748-3). The sample was analyzed within 7 days per EPA recommendation.

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: DPE-3 (480-147748-19) and DPE-4 (480-147748-20). The samples were analyzed within 7 days per EPA recommendation.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-147748-13), DPE-3 (480-147748-19), DPE-4 (480-147748-20), DPE-5 (480-147748-21), (480-147748-B-21 MS) and (480-147748-B-21 MSD). Elevated reporting limits (RLs) are provided.

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

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-2
Date Collected: 01/09/19 09:40
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-1
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			01/11/19 00:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 00:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 00:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 00:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/11/19 00:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 00:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 00:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 00:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 00:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 00:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 00:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 00:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 00:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 00:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 00:21	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 00:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 00:21	1
Acetone	**7.9**	**J**	10	3.0	ug/L			01/11/19 00:21	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 00:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 00:21	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 00:21	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 00:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 00:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 00:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 00:21	1
Chloroethane	**1.0**		1.0	0.32	ug/L			01/11/19 00:21	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 00:21	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 00:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/11/19 00:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 00:21	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 00:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 00:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 00:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 00:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 00:21	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 00:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 00:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 00:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 00:21	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 00:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 00:21	1
Toluene	ND		1.0	0.51	ug/L			01/11/19 00:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 00:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 00:21	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/19 00:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 00:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/11/19 00:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 00:21	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-2
Date Collected: 01/09/19 09:40
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		01/11/19 00:21	1
4-Bromofluorobenzene (Surr)	87		73 - 120		01/11/19 00:21	1
Toluene-d8 (Surr)	92		80 - 120		01/11/19 00:21	1
Dibromofluoromethane (Surr)	87		75 - 123		01/11/19 00:21	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-3
Date Collected: 01/09/19 10:50
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-2
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		1.0	0.82	ug/L			01/11/19 00:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 00:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 00:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 00:49	1
1,1-Dichloroethane	**7.4**		1.0	0.38	ug/L			01/11/19 00:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 00:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 00:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 00:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 00:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 00:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 00:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 00:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 00:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 00:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 00:49	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 00:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 00:49	1
Acetone	ND		10	3.0	ug/L			01/11/19 00:49	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 00:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 00:49	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 00:49	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 00:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 00:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 00:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 00:49	1
Chloroethane	**2.1**		1.0	0.32	ug/L			01/11/19 00:49	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 00:49	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 00:49	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.81	ug/L			01/11/19 00:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 00:49	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 00:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 00:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 00:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 00:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 00:49	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 00:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 00:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 00:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 00:49	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 00:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 00:49	1
Toluene	ND		1.0	0.51	ug/L			01/11/19 00:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 00:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 00:49	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/19 00:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 00:49	1
Vinyl chloride	**24**		1.0	0.90	ug/L			01/11/19 00:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 00:49	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-3
Date Collected: 01/09/19 10:50
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		01/11/19 00:49	1
4-Bromofluorobenzene (Surr)	88		73 - 120		01/11/19 00:49	1
Toluene-d8 (Surr)	93		80 - 120		01/11/19 00:49	1
Dibromofluoromethane (Surr)	89		75 - 123		01/11/19 00:49	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-4
Date Collected: 01/10/19 11:20
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-3
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		4.0	3.3	ug/L			01/11/19 12:06	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/11/19 12:06	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			01/11/19 12:06	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/11/19 12:06	4
1,1-Dichloroethane	**42**		4.0	1.5	ug/L			01/11/19 12:06	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			01/11/19 12:06	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			01/11/19 12:06	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			01/11/19 12:06	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			01/11/19 12:06	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			01/11/19 12:06	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/11/19 12:06	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/11/19 12:06	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			01/11/19 12:06	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			01/11/19 12:06	4
2-Butanone (MEK)	**180**		40	5.3	ug/L			01/11/19 12:06	4
2-Hexanone	ND		20	5.0	ug/L			01/11/19 12:06	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/11/19 12:06	4
Acetone	**46**		40	12	ug/L			01/11/19 12:06	4
Benzene	**2.4**	**J**	4.0	1.6	ug/L			01/11/19 12:06	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/11/19 12:06	4
Bromoform	ND		4.0	1.0	ug/L			01/11/19 12:06	4
Bromomethane	ND		4.0	2.8	ug/L			01/11/19 12:06	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/11/19 12:06	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/11/19 12:06	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/11/19 12:06	4
Chloroethane	**200**		4.0	1.3	ug/L			01/11/19 12:06	4
Chloroform	ND		4.0	1.4	ug/L			01/11/19 12:06	4
Chloromethane	ND		4.0	1.4	ug/L			01/11/19 12:06	4
cis-1,2-Dichloroethene	**22**		4.0	3.2	ug/L			01/11/19 12:06	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/11/19 12:06	4
Cyclohexane	ND		4.0	0.72	ug/L			01/11/19 12:06	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/11/19 12:06	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			01/11/19 12:06	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/11/19 12:06	4
Isopropylbenzene	ND		4.0	3.2	ug/L			01/11/19 12:06	4
Methyl acetate	ND		10	5.2	ug/L			01/11/19 12:06	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			01/11/19 12:06	4
Methylcyclohexane	ND		4.0	0.64	ug/L			01/11/19 12:06	4
Methylene Chloride	ND		4.0	1.8	ug/L			01/11/19 12:06	4
Styrene	ND		4.0	2.9	ug/L			01/11/19 12:06	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/11/19 12:06	4
Toluene	**10**		4.0	2.0	ug/L			01/11/19 12:06	4
trans-1,2-Dichloroethene	**7.3**		4.0	3.6	ug/L			01/11/19 12:06	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/11/19 12:06	4
Trichloroethene	**5.2**		4.0	1.8	ug/L			01/11/19 12:06	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			01/11/19 12:06	4
Vinyl chloride	**140**		4.0	3.6	ug/L			01/11/19 12:06	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/11/19 12:06	4

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-4
Date Collected: 01/10/19 11:20
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		01/11/19 12:06	4
4-Bromofluorobenzene (Surr)	92		73 - 120		01/11/19 12:06	4
Toluene-d8 (Surr)	94		80 - 120		01/11/19 12:06	4
Dibromofluoromethane (Surr)	90		75 - 123		01/11/19 12:06	4

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-6
Date Collected: 01/09/19 12:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-4
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			01/11/19 12:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 12:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 12:33	1
1,1-Dichloroethane	**13**		1.0	0.38	ug/L			01/11/19 12:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 12:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 12:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 12:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 12:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 12:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 12:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 12:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 12:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 12:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 12:33	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 12:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 12:33	1
Acetone	ND		10	3.0	ug/L			01/11/19 12:33	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 12:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 12:33	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 12:33	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 12:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 12:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 12:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 12:33	1
Chloroethane	ND		1.0	0.32	ug/L			01/11/19 12:33	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 12:33	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 12:33	1
cis-1,2-Dichloroethene	**7.2**		1.0	0.81	ug/L			01/11/19 12:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 12:33	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 12:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 12:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 12:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 12:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 12:33	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 12:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 12:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 12:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 12:33	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 12:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 12:33	1
Toluene	ND		1.0	0.51	ug/L			01/11/19 12:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 12:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 12:33	1
Trichloroethene	**1.3**		1.0	0.46	ug/L			01/11/19 12:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 12:33	1
Vinyl chloride	**3.3**		1.0	0.90	ug/L			01/11/19 12:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 12:33	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-6
Date Collected: 01/09/19 12:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/11/19 12:33	1
4-Bromofluorobenzene (Surr)	90		73 - 120		01/11/19 12:33	1
Toluene-d8 (Surr)	94		80 - 120		01/11/19 12:33	1
Dibromofluoromethane (Surr)	90		75 - 123		01/11/19 12:33	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-7
Date Collected: 01/09/19 13:20
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-5
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		2.0	1.6	ug/L			01/11/19 13:01	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/11/19 13:01	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			01/11/19 13:01	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/11/19 13:01	2
1,1-Dichloroethane	**7.7**		2.0	0.76	ug/L			01/11/19 13:01	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			01/11/19 13:01	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			01/11/19 13:01	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			01/11/19 13:01	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			01/11/19 13:01	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			01/11/19 13:01	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/11/19 13:01	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/11/19 13:01	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			01/11/19 13:01	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			01/11/19 13:01	2
2-Butanone (MEK)	**25**		20	2.6	ug/L			01/11/19 13:01	2
2-Hexanone	**6.9**	**J**	10	2.5	ug/L			01/11/19 13:01	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/11/19 13:01	2
Acetone	**23**		20	6.0	ug/L			01/11/19 13:01	2
Benzene	ND		2.0	0.82	ug/L			01/11/19 13:01	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/11/19 13:01	2
Bromoform	ND		2.0	0.52	ug/L			01/11/19 13:01	2
Bromomethane	ND		2.0	1.4	ug/L			01/11/19 13:01	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/11/19 13:01	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/11/19 13:01	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/11/19 13:01	2
Chloroethane	**120**		2.0	0.64	ug/L			01/11/19 13:01	2
Chloroform	ND		2.0	0.68	ug/L			01/11/19 13:01	2
Chloromethane	ND		2.0	0.70	ug/L			01/11/19 13:01	2
cis-1,2-Dichloroethene	**56**		2.0	1.6	ug/L			01/11/19 13:01	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/11/19 13:01	2
Cyclohexane	ND		2.0	0.36	ug/L			01/11/19 13:01	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/11/19 13:01	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			01/11/19 13:01	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/11/19 13:01	2
Isopropylbenzene	ND		2.0	1.6	ug/L			01/11/19 13:01	2
Methyl acetate	ND		5.0	2.6	ug/L			01/11/19 13:01	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			01/11/19 13:01	2
Methylcyclohexane	ND		2.0	0.32	ug/L			01/11/19 13:01	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/11/19 13:01	2
Styrene	ND		2.0	1.5	ug/L			01/11/19 13:01	2
Tetrachloroethene	ND		2.0	0.72	ug/L			01/11/19 13:01	2
Toluene	**2.8**		2.0	1.0	ug/L			01/11/19 13:01	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			01/11/19 13:01	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/11/19 13:01	2
Trichloroethene	**5.1**		2.0	0.92	ug/L			01/11/19 13:01	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			01/11/19 13:01	2
Vinyl chloride	**23**		2.0	1.8	ug/L			01/11/19 13:01	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/11/19 13:01	2

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-7
Date Collected: 01/09/19 13:20
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/11/19 13:01	2
4-Bromofluorobenzene (Surr)	90		73 - 120		01/11/19 13:01	2
Toluene-d8 (Surr)	95		80 - 120		01/11/19 13:01	2
Dibromofluoromethane (Surr)	89		75 - 123		01/11/19 13:01	2

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-11
Date Collected: 01/09/19 11:50
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-6
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			01/11/19 13:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 13:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 13:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 13:28	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			01/11/19 13:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 13:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 13:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 13:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 13:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 13:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 13:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 13:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 13:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 13:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 13:28	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 13:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 13:28	1
Acetone	ND		10	3.0	ug/L			01/11/19 13:28	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 13:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 13:28	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 13:28	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 13:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 13:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 13:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 13:28	1
Chloroethane	ND		1.0	0.32	ug/L			01/11/19 13:28	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 13:28	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 13:28	1
cis-1,2-Dichloroethene	**3.0**		1.0	0.81	ug/L			01/11/19 13:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 13:28	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 13:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 13:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 13:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 13:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 13:28	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 13:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 13:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 13:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 13:28	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 13:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 13:28	1
Toluene	ND		1.0	0.51	ug/L			01/11/19 13:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 13:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 13:28	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/19 13:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 13:28	1
Vinyl chloride	**1.8**		1.0	0.90	ug/L			01/11/19 13:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 13:28	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-11
Date Collected: 01/09/19 11:50
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/11/19 13:28	1
4-Bromofluorobenzene (Surr)	89		73 - 120		01/11/19 13:28	1
Toluene-d8 (Surr)	94		80 - 120		01/11/19 13:28	1
Dibromofluoromethane (Surr)	89		75 - 123		01/11/19 13:28	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-8
Date Collected: 01/09/19 13:35
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-7
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		20	16	ug/L			01/11/19 03:05	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			01/11/19 03:05	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			01/11/19 03:05	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			01/11/19 03:05	20
1,1-Dichloroethane	**240**		20	7.6	ug/L			01/11/19 03:05	20
1,1-Dichloroethene	**54**		20	5.8	ug/L			01/11/19 03:05	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			01/11/19 03:05	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			01/11/19 03:05	20
1,2-Dibromoethane	ND		20	15	ug/L			01/11/19 03:05	20
1,2-Dichlorobenzene	ND		20	16	ug/L			01/11/19 03:05	20
1,2-Dichloroethane	ND		20	4.2	ug/L			01/11/19 03:05	20
1,2-Dichloropropane	ND		20	14	ug/L			01/11/19 03:05	20
1,3-Dichlorobenzene	ND		20	16	ug/L			01/11/19 03:05	20
1,4-Dichlorobenzene	ND		20	17	ug/L			01/11/19 03:05	20
2-Butanone (MEK)	ND		200	26	ug/L			01/11/19 03:05	20
2-Hexanone	ND		100	25	ug/L			01/11/19 03:05	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			01/11/19 03:05	20
Acetone	ND		200	60	ug/L			01/11/19 03:05	20
Benzene	ND		20	8.2	ug/L			01/11/19 03:05	20
Bromodichloromethane	ND		20	7.8	ug/L			01/11/19 03:05	20
Bromoform	ND		20	5.2	ug/L			01/11/19 03:05	20
Bromomethane	ND		20	14	ug/L			01/11/19 03:05	20
Carbon disulfide	ND		20	3.8	ug/L			01/11/19 03:05	20
Carbon tetrachloride	ND		20	5.4	ug/L			01/11/19 03:05	20
Chlorobenzene	ND		20	15	ug/L			01/11/19 03:05	20
Chloroethane	ND		20	6.4	ug/L			01/11/19 03:05	20
Chloroform	ND		20	6.8	ug/L			01/11/19 03:05	20
Chloromethane	ND		20	7.0	ug/L			01/11/19 03:05	20
cis-1,2-Dichloroethene	**9300**	**E**	20	16	ug/L			01/11/19 03:05	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			01/11/19 03:05	20
Cyclohexane	ND		20	3.6	ug/L			01/11/19 03:05	20
Dibromochloromethane	ND		20	6.4	ug/L			01/11/19 03:05	20
Dichlorodifluoromethane	ND		20	14	ug/L			01/11/19 03:05	20
Ethylbenzene	ND		20	15	ug/L			01/11/19 03:05	20
Isopropylbenzene	ND		20	16	ug/L			01/11/19 03:05	20
Methyl acetate	ND		50	26	ug/L			01/11/19 03:05	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			01/11/19 03:05	20
Methylcyclohexane	ND		20	3.2	ug/L			01/11/19 03:05	20
Methylene Chloride	ND		20	8.8	ug/L			01/11/19 03:05	20
Styrene	ND		20	15	ug/L			01/11/19 03:05	20
Tetrachloroethene	ND		20	7.2	ug/L			01/11/19 03:05	20
Toluene	**21**		20	10	ug/L			01/11/19 03:05	20
trans-1,2-Dichloroethene	**27**		20	18	ug/L			01/11/19 03:05	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			01/11/19 03:05	20
Trichloroethene	**13**	**J**	20	9.2	ug/L			01/11/19 03:05	20
Trichlorofluoromethane	ND		20	18	ug/L			01/11/19 03:05	20
Vinyl chloride	**3000**	**E**	20	18	ug/L			01/11/19 03:05	20
Xylenes, Total	ND		40	13	ug/L			01/11/19 03:05	20

Client Sample ID: DPE-8
Date Collected: 01/09/19 13:35
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/11/19 03:05	20
4-Bromofluorobenzene (Surr)	89		73 - 120		01/11/19 03:05	20
Toluene-d8 (Surr)	94		80 - 120		01/11/19 03:05	20
Dibromofluoromethane (Surr)	93		75 - 123		01/11/19 03:05	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130	100	ug/L			01/11/19 13:56	125
1,1,2,2-Tetrachloroethane	ND		130	26	ug/L			01/11/19 13:56	125
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		130	39	ug/L			01/11/19 13:56	125
1,1,2-Trichloroethane	ND		130	29	ug/L			01/11/19 13:56	125
1,1-Dichloroethane	**240**		130	48	ug/L			01/11/19 13:56	125
1,1-Dichloroethene	**57**	**J**	130	36	ug/L			01/11/19 13:56	125
1,2,4-Trichlorobenzene	ND		130	51	ug/L			01/11/19 13:56	125
1,2-Dibromo-3-Chloropropane	ND		130	49	ug/L			01/11/19 13:56	125
1,2-Dibromoethane	ND		130	91	ug/L			01/11/19 13:56	125
1,2-Dichlorobenzene	ND		130	99	ug/L			01/11/19 13:56	125
1,2-Dichloroethane	ND		130	26	ug/L			01/11/19 13:56	125
1,2-Dichloropropane	ND		130	90	ug/L			01/11/19 13:56	125
1,3-Dichlorobenzene	ND		130	98	ug/L			01/11/19 13:56	125
1,4-Dichlorobenzene	ND		130	110	ug/L			01/11/19 13:56	125
2-Butanone (MEK)	ND		1300	170	ug/L			01/11/19 13:56	125
2-Hexanone	ND		630	160	ug/L			01/11/19 13:56	125
4-Methyl-2-pentanone (MIBK)	ND		630	260	ug/L			01/11/19 13:56	125
Acetone	ND		1300	380	ug/L			01/11/19 13:56	125
Benzene	ND		130	51	ug/L			01/11/19 13:56	125
Bromodichloromethane	ND		130	49	ug/L			01/11/19 13:56	125
Bromoform	ND		130	33	ug/L			01/11/19 13:56	125
Bromomethane	ND		130	86	ug/L			01/11/19 13:56	125
Carbon disulfide	ND		130	24	ug/L			01/11/19 13:56	125
Carbon tetrachloride	ND		130	34	ug/L			01/11/19 13:56	125
Chlorobenzene	ND		130	94	ug/L			01/11/19 13:56	125
Chloroethane	ND		130	40	ug/L			01/11/19 13:56	125
Chloroform	ND		130	43	ug/L			01/11/19 13:56	125
Chloromethane	ND		130	44	ug/L			01/11/19 13:56	125
cis-1,2-Dichloroethene	**10000**		130	100	ug/L			01/11/19 13:56	125
cis-1,3-Dichloropropene	ND		130	45	ug/L			01/11/19 13:56	125
Cyclohexane	ND		130	23	ug/L			01/11/19 13:56	125
Dibromochloromethane	ND		130	40	ug/L			01/11/19 13:56	125
Dichlorodifluoromethane	ND		130	85	ug/L			01/11/19 13:56	125
Ethylbenzene	ND		130	93	ug/L			01/11/19 13:56	125
Isopropylbenzene	ND		130	99	ug/L			01/11/19 13:56	125
Methyl acetate	ND		310	160	ug/L			01/11/19 13:56	125
Methyl tert-butyl ether	ND		130	20	ug/L			01/11/19 13:56	125
Methylcyclohexane	ND		130	20	ug/L			01/11/19 13:56	125
Methylene Chloride	ND		130	55	ug/L			01/11/19 13:56	125
Styrene	ND		130	91	ug/L			01/11/19 13:56	125
Tetrachloroethene	ND		130	45	ug/L			01/11/19 13:56	125
Toluene	ND		130	64	ug/L			01/11/19 13:56	125
trans-1,2-Dichloroethene	ND		130	110	ug/L			01/11/19 13:56	125

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-8
Date Collected: 01/09/19 13:35
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		130	46	ug/L			01/11/19 13:56	125
Trichloroethene	ND		130	58	ug/L			01/11/19 13:56	125
Trichlorofluoromethane	ND		130	110	ug/L			01/11/19 13:56	125
Vinyl chloride	**3800**		130	110	ug/L			01/11/19 13:56	125
Xylenes, Total	ND		250	83	ug/L			01/11/19 13:56	125

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*01/11/19 13:56*	*125*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*01/11/19 13:56*	*125*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/11/19 13:56*	*125*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*01/11/19 13:56*	*125*

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-16S
Date Collected: 01/09/19 13:40
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-8
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			01/11/19 03:33	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			01/11/19 03:33	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			01/11/19 03:33	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			01/11/19 03:33	1000
1,1-Dichloroethane	**930**	**J**	1000	380	ug/L			01/11/19 03:33	1000
1,1-Dichloroethene	ND		1000	290	ug/L			01/11/19 03:33	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			01/11/19 03:33	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			01/11/19 03:33	1000
1,2-Dibromoethane	ND		1000	730	ug/L			01/11/19 03:33	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			01/11/19 03:33	1000
1,2-Dichloroethane	ND		1000	210	ug/L			01/11/19 03:33	1000
1,2-Dichloropropane	ND		1000	720	ug/L			01/11/19 03:33	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			01/11/19 03:33	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			01/11/19 03:33	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			01/11/19 03:33	1000
2-Hexanone	ND		5000	1200	ug/L			01/11/19 03:33	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			01/11/19 03:33	1000
Acetone	ND		10000	3000	ug/L			01/11/19 03:33	1000
Benzene	ND		1000	410	ug/L			01/11/19 03:33	1000
Bromodichloromethane	ND		1000	390	ug/L			01/11/19 03:33	1000
Bromoform	ND		1000	260	ug/L			01/11/19 03:33	1000
Bromomethane	ND		1000	690	ug/L			01/11/19 03:33	1000
Carbon disulfide	ND		1000	190	ug/L			01/11/19 03:33	1000
Carbon tetrachloride	ND		1000	270	ug/L			01/11/19 03:33	1000
Chlorobenzene	ND		1000	750	ug/L			01/11/19 03:33	1000
Chloroethane	**870**	**J**	1000	320	ug/L			01/11/19 03:33	1000
Chloroform	ND		1000	340	ug/L			01/11/19 03:33	1000
Chloromethane	ND		1000	350	ug/L			01/11/19 03:33	1000
cis-1,2-Dichloroethene	**50000**		1000	810	ug/L			01/11/19 03:33	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			01/11/19 03:33	1000
Cyclohexane	ND		1000	180	ug/L			01/11/19 03:33	1000
Dibromochloromethane	ND		1000	320	ug/L			01/11/19 03:33	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			01/11/19 03:33	1000
Ethylbenzene	ND		1000	740	ug/L			01/11/19 03:33	1000
Isopropylbenzene	ND		1000	790	ug/L			01/11/19 03:33	1000
Methyl acetate	ND		2500	1300	ug/L			01/11/19 03:33	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			01/11/19 03:33	1000
Methylcyclohexane	ND		1000	160	ug/L			01/11/19 03:33	1000
Methylene Chloride	ND		1000	440	ug/L			01/11/19 03:33	1000
Styrene	ND		1000	730	ug/L			01/11/19 03:33	1000
Tetrachloroethene	ND		1000	360	ug/L			01/11/19 03:33	1000
Toluene	ND		1000	510	ug/L			01/11/19 03:33	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			01/11/19 03:33	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			01/11/19 03:33	1000
Trichloroethene	**550**	**J**	1000	460	ug/L			01/11/19 03:33	1000
Trichlorofluoromethane	ND		1000	880	ug/L			01/11/19 03:33	1000
Vinyl chloride	**76000**		1000	900	ug/L			01/11/19 03:33	1000
Xylenes, Total	ND		2000	660	ug/L			01/11/19 03:33	1000

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-16S
Date Collected: 01/09/19 13:40
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		01/11/19 03:33	1000
4-Bromofluorobenzene (Surr)	89		73 - 120		01/11/19 03:33	1000
Toluene-d8 (Surr)	95		80 - 120		01/11/19 03:33	1000
Dibromofluoromethane (Surr)	88		75 - 123		01/11/19 03:33	1000

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: Duplicate
Date Collected: 01/09/19 16:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-9
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			01/11/19 14:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 14:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 14:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 14:23	1
1,1-Dichloroethane	**1.0**		1.0	0.38	ug/L			01/11/19 14:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 14:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 14:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 14:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 14:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 14:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 14:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 14:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 14:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 14:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 14:23	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 14:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 14:23	1
Acetone	ND		10	3.0	ug/L			01/11/19 14:23	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 14:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 14:23	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 14:23	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 14:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 14:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 14:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 14:23	1
Chloroethane	ND		1.0	0.32	ug/L			01/11/19 14:23	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 14:23	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 14:23	1
cis-1,2-Dichloroethene	**3.1**		1.0	0.81	ug/L			01/11/19 14:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 14:23	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 14:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 14:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 14:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 14:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 14:23	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 14:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 14:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 14:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 14:23	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 14:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 14:23	1
Toluene	ND		1.0	0.51	ug/L			01/11/19 14:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 14:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 14:23	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/19 14:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 14:23	1
Vinyl chloride	**1.7**		1.0	0.90	ug/L			01/11/19 14:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 14:23	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: Duplicate
Date Collected: 01/09/19 16:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		01/11/19 14:23	1
4-Bromofluorobenzene (Surr)	85		73 - 120		01/11/19 14:23	1
Toluene-d8 (Surr)	93		80 - 120		01/11/19 14:23	1
Dibromofluoromethane (Surr)	91		75 - 123		01/11/19 14:23	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: Rinse
Date Collected: 01/10/19 15:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-10
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			01/11/19 04:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 04:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 04:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 04:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/11/19 04:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 04:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 04:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 04:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 04:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 04:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 04:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 04:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 04:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 04:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 04:28	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 04:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 04:28	1
Acetone	ND		10	3.0	ug/L			01/11/19 04:28	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 04:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 04:28	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 04:28	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 04:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 04:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 04:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 04:28	1
Chloroethane	ND		1.0	0.32	ug/L			01/11/19 04:28	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 04:28	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 04:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/11/19 04:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 04:28	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 04:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 04:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 04:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 04:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 04:28	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 04:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 04:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 04:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 04:28	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 04:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 04:28	1
Toluene	ND		1.0	0.51	ug/L			01/11/19 04:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 04:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 04:28	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/19 04:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 04:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/11/19 04:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 04:28	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: Rinse
Date Collected: 01/10/19 15:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-10
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		01/11/19 04:28	1
4-Bromofluorobenzene (Surr)	87		73 - 120		01/11/19 04:28	1
Toluene-d8 (Surr)	94		80 - 120		01/11/19 04:28	1
Dibromofluoromethane (Surr)	94		75 - 123		01/11/19 04:28	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-16D
Date Collected: 01/10/19 08:45
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-11
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			01/11/19 04:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 04:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 04:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 04:55	1
1,1-Dichloroethane	**10**		1.0	0.38	ug/L			01/11/19 04:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 04:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 04:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 04:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 04:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 04:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 04:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 04:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 04:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 04:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 04:55	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 04:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 04:55	1
Acetone	**5.6**	**J**	10	3.0	ug/L			01/11/19 04:55	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 04:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 04:55	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 04:55	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 04:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 04:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 04:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 04:55	1
Chloroethane	**150**	**E**	1.0	0.32	ug/L			01/11/19 04:55	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 04:55	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 04:55	1
cis-1,2-Dichloroethene	**37**		1.0	0.81	ug/L			01/11/19 04:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 04:55	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 04:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 04:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 04:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 04:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 04:55	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 04:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 04:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 04:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 04:55	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 04:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 04:55	1
Toluene	**1.1**		1.0	0.51	ug/L			01/11/19 04:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 04:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 04:55	1
Trichloroethene	**1.9**		1.0	0.46	ug/L			01/11/19 04:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 04:55	1
Vinyl chloride	**20**		1.0	0.90	ug/L			01/11/19 04:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 04:55	1

Client Sample ID: MW-16D
Date Collected: 01/10/19 08:45
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		01/11/19 04:55	1
4-Bromofluorobenzene (Surr)	89		73 - 120		01/11/19 04:55	1
Toluene-d8 (Surr)	93		80 - 120		01/11/19 04:55	1
Dibromofluoromethane (Surr)	89		75 - 123		01/11/19 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			01/11/19 14:51	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/11/19 14:51	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			01/11/19 14:51	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/11/19 14:51	2
1,1-Dichloroethane	**11**		2.0	0.76	ug/L			01/11/19 14:51	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			01/11/19 14:51	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			01/11/19 14:51	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			01/11/19 14:51	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			01/11/19 14:51	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			01/11/19 14:51	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/11/19 14:51	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/11/19 14:51	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			01/11/19 14:51	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			01/11/19 14:51	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/11/19 14:51	2
2-Hexanone	ND		10	2.5	ug/L			01/11/19 14:51	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/11/19 14:51	2
Acetone	ND		20	6.0	ug/L			01/11/19 14:51	2
Benzene	ND		2.0	0.82	ug/L			01/11/19 14:51	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/11/19 14:51	2
Bromoform	ND		2.0	0.52	ug/L			01/11/19 14:51	2
Bromomethane	ND		2.0	1.4	ug/L			01/11/19 14:51	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/11/19 14:51	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/11/19 14:51	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/11/19 14:51	2
Chloroethane	**150**		2.0	0.64	ug/L			01/11/19 14:51	2
Chloroform	ND		2.0	0.68	ug/L			01/11/19 14:51	2
Chloromethane	ND		2.0	0.70	ug/L			01/11/19 14:51	2
cis-1,2-Dichloroethene	**36**		2.0	1.6	ug/L			01/11/19 14:51	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/11/19 14:51	2
Cyclohexane	ND		2.0	0.36	ug/L			01/11/19 14:51	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/11/19 14:51	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			01/11/19 14:51	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/11/19 14:51	2
Isopropylbenzene	ND		2.0	1.6	ug/L			01/11/19 14:51	2
Methyl acetate	ND		5.0	2.6	ug/L			01/11/19 14:51	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			01/11/19 14:51	2
Methylcyclohexane	ND		2.0	0.32	ug/L			01/11/19 14:51	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/11/19 14:51	2
Styrene	ND		2.0	1.5	ug/L			01/11/19 14:51	2
Tetrachloroethene	ND		2.0	0.72	ug/L			01/11/19 14:51	2
Toluene	**1.0**	**J**	2.0	1.0	ug/L			01/11/19 14:51	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			01/11/19 14:51	2

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-16D
Date Collected: 01/10/19 08:45
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/11/19 14:51	2
Trichloroethene	**2.0**		2.0	0.92	ug/L			01/11/19 14:51	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			01/11/19 14:51	2
Vinyl chloride	**21**		2.0	1.8	ug/L			01/11/19 14:51	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/11/19 14:51	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*01/11/19 14:51*	*2*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*01/11/19 14:51*	*2*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/11/19 14:51*	*2*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*01/11/19 14:51*	*2*

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-13S
Date Collected: 01/09/19 13:20
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-12
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		40	33	ug/L			01/11/19 05:22	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			01/11/19 05:22	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			01/11/19 05:22	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			01/11/19 05:22	40
1,1-Dichloroethane	**22**	**J**	40	15	ug/L			01/11/19 05:22	40
1,1-Dichloroethene	ND		40	12	ug/L			01/11/19 05:22	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			01/11/19 05:22	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			01/11/19 05:22	40
1,2-Dibromoethane	ND		40	29	ug/L			01/11/19 05:22	40
1,2-Dichlorobenzene	ND		40	32	ug/L			01/11/19 05:22	40
1,2-Dichloroethane	ND		40	8.4	ug/L			01/11/19 05:22	40
1,2-Dichloropropane	ND		40	29	ug/L			01/11/19 05:22	40
1,3-Dichlorobenzene	ND		40	31	ug/L			01/11/19 05:22	40
1,4-Dichlorobenzene	ND		40	34	ug/L			01/11/19 05:22	40
2-Butanone (MEK)	ND		400	53	ug/L			01/11/19 05:22	40
2-Hexanone	ND		200	50	ug/L			01/11/19 05:22	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			01/11/19 05:22	40
Acetone	ND		400	120	ug/L			01/11/19 05:22	40
Benzene	ND		40	16	ug/L			01/11/19 05:22	40
Bromodichloromethane	ND		40	16	ug/L			01/11/19 05:22	40
Bromoform	ND		40	10	ug/L			01/11/19 05:22	40
Bromomethane	ND		40	28	ug/L			01/11/19 05:22	40
Carbon disulfide	ND		40	7.6	ug/L			01/11/19 05:22	40
Carbon tetrachloride	ND		40	11	ug/L			01/11/19 05:22	40
Chlorobenzene	ND		40	30	ug/L			01/11/19 05:22	40
Chloroethane	ND		40	13	ug/L			01/11/19 05:22	40
Chloroform	ND		40	14	ug/L			01/11/19 05:22	40
Chloromethane	ND		40	14	ug/L			01/11/19 05:22	40
cis-1,2-Dichloroethene	**2200**		40	32	ug/L			01/11/19 05:22	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			01/11/19 05:22	40
Cyclohexane	ND		40	7.2	ug/L			01/11/19 05:22	40
Dibromochloromethane	ND		40	13	ug/L			01/11/19 05:22	40
Dichlorodifluoromethane	ND		40	27	ug/L			01/11/19 05:22	40
Ethylbenzene	ND		40	30	ug/L			01/11/19 05:22	40
Isopropylbenzene	ND		40	32	ug/L			01/11/19 05:22	40
Methyl acetate	ND		100	52	ug/L			01/11/19 05:22	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			01/11/19 05:22	40
Methylcyclohexane	ND		40	6.4	ug/L			01/11/19 05:22	40
Methylene Chloride	ND		40	18	ug/L			01/11/19 05:22	40
Styrene	ND		40	29	ug/L			01/11/19 05:22	40
Tetrachloroethene	ND		40	14	ug/L			01/11/19 05:22	40
Toluene	ND		40	20	ug/L			01/11/19 05:22	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			01/11/19 05:22	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			01/11/19 05:22	40
Trichloroethene	ND		40	18	ug/L			01/11/19 05:22	40
Trichlorofluoromethane	ND		40	35	ug/L			01/11/19 05:22	40
Vinyl chloride	**1800**		40	36	ug/L			01/11/19 05:22	40
Xylenes, Total	ND		80	26	ug/L			01/11/19 05:22	40

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-13S
Date Collected: 01/09/19 13:20
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-12
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		01/11/19 05:22	40
4-Bromofluorobenzene (Surr)	86		73 - 120		01/11/19 05:22	40
Toluene-d8 (Surr)	93		80 - 120		01/11/19 05:22	40
Dibromofluoromethane (Surr)	92		75 - 123		01/11/19 05:22	40

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-8R
Date Collected: 01/10/19 10:30
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-13
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			01/11/19 05:50	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/11/19 05:50	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/11/19 05:50	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/11/19 05:50	10
1,1-Dichloroethane	**36**		10	3.8	ug/L			01/11/19 05:50	10
1,1-Dichloroethene	**5.9**	**J**	10	2.9	ug/L			01/11/19 05:50	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/11/19 05:50	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/11/19 05:50	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/11/19 05:50	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/11/19 05:50	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/11/19 05:50	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/11/19 05:50	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/11/19 05:50	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/11/19 05:50	10
2-Butanone (MEK)	ND		100	13	ug/L			01/11/19 05:50	10
2-Hexanone	ND		50	12	ug/L			01/11/19 05:50	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/11/19 05:50	10
Acetone	ND		100	30	ug/L			01/11/19 05:50	10
Benzene	ND		10	4.1	ug/L			01/11/19 05:50	10
Bromodichloromethane	ND		10	3.9	ug/L			01/11/19 05:50	10
Bromoform	ND		10	2.6	ug/L			01/11/19 05:50	10
Bromomethane	ND		10	6.9	ug/L			01/11/19 05:50	10
Carbon disulfide	ND		10	1.9	ug/L			01/11/19 05:50	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/11/19 05:50	10
Chlorobenzene	ND		10	7.5	ug/L			01/11/19 05:50	10
Chloroethane	**17**		10	3.2	ug/L			01/11/19 05:50	10
Chloroform	ND		10	3.4	ug/L			01/11/19 05:50	10
Chloromethane	ND		10	3.5	ug/L			01/11/19 05:50	10
cis-1,2-Dichloroethene	**2000**	**E**	10	8.1	ug/L			01/11/19 05:50	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/11/19 05:50	10
Cyclohexane	ND		10	1.8	ug/L			01/11/19 05:50	10
Dibromochloromethane	ND		10	3.2	ug/L			01/11/19 05:50	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/11/19 05:50	10
Ethylbenzene	ND		10	7.4	ug/L			01/11/19 05:50	10
Isopropylbenzene	ND		10	7.9	ug/L			01/11/19 05:50	10
Methyl acetate	ND		25	13	ug/L			01/11/19 05:50	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/11/19 05:50	10
Methylcyclohexane	ND		10	1.6	ug/L			01/11/19 05:50	10
Methylene Chloride	ND		10	4.4	ug/L			01/11/19 05:50	10
Styrene	ND		10	7.3	ug/L			01/11/19 05:50	10
Tetrachloroethene	ND		10	3.6	ug/L			01/11/19 05:50	10
Toluene	**16**		10	5.1	ug/L			01/11/19 05:50	10
trans-1,2-Dichloroethene	**12**		10	9.0	ug/L			01/11/19 05:50	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/11/19 05:50	10
Trichloroethene	**9.9**	**J**	10	4.6	ug/L			01/11/19 05:50	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/11/19 05:50	10
Vinyl chloride	**1400**	**E**	10	9.0	ug/L			01/11/19 05:50	10
Xylenes, Total	ND		20	6.6	ug/L			01/11/19 05:50	10

Client Sample ID: MW-8R
Date Collected: 01/10/19 10:30
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-13
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		01/11/19 05:50	10
4-Bromofluorobenzene (Surr)	86		73 - 120		01/11/19 05:50	10
Toluene-d8 (Surr)	94		80 - 120		01/11/19 05:50	10
Dibromofluoromethane (Surr)	89		75 - 123		01/11/19 05:50	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			01/12/19 12:48	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			01/12/19 12:48	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			01/12/19 12:48	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			01/12/19 12:48	40
1,1-Dichloroethane	**44**		40	15	ug/L			01/12/19 12:48	40
1,1-Dichloroethene	ND		40	12	ug/L			01/12/19 12:48	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			01/12/19 12:48	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			01/12/19 12:48	40
1,2-Dibromoethane	ND		40	29	ug/L			01/12/19 12:48	40
1,2-Dichlorobenzene	ND		40	32	ug/L			01/12/19 12:48	40
1,2-Dichloroethane	ND		40	8.4	ug/L			01/12/19 12:48	40
1,2-Dichloropropane	ND		40	29	ug/L			01/12/19 12:48	40
1,3-Dichlorobenzene	ND		40	31	ug/L			01/12/19 12:48	40
1,4-Dichlorobenzene	ND		40	34	ug/L			01/12/19 12:48	40
2-Butanone (MEK)	ND		400	53	ug/L			01/12/19 12:48	40
2-Hexanone	ND		200	50	ug/L			01/12/19 12:48	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			01/12/19 12:48	40
Acetone	ND		400	120	ug/L			01/12/19 12:48	40
Benzene	ND		40	16	ug/L			01/12/19 12:48	40
Bromodichloromethane	ND		40	16	ug/L			01/12/19 12:48	40
Bromoform	ND		40	10	ug/L			01/12/19 12:48	40
Bromomethane	ND		40	28	ug/L			01/12/19 12:48	40
Carbon disulfide	ND		40	7.6	ug/L			01/12/19 12:48	40
Carbon tetrachloride	ND		40	11	ug/L			01/12/19 12:48	40
Chlorobenzene	ND		40	30	ug/L			01/12/19 12:48	40
Chloroethane	**24**	**J**	40	13	ug/L			01/12/19 12:48	40
Chloroform	ND		40	14	ug/L			01/12/19 12:48	40
Chloromethane	ND		40	14	ug/L			01/12/19 12:48	40
cis-1,2-Dichloroethene	**2700**		40	32	ug/L			01/12/19 12:48	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			01/12/19 12:48	40
Cyclohexane	ND		40	7.2	ug/L			01/12/19 12:48	40
Dibromochloromethane	ND		40	13	ug/L			01/12/19 12:48	40
Dichlorodifluoromethane	ND		40	27	ug/L			01/12/19 12:48	40
Ethylbenzene	ND		40	30	ug/L			01/12/19 12:48	40
Isopropylbenzene	ND		40	32	ug/L			01/12/19 12:48	40
Methyl acetate	ND		100	52	ug/L			01/12/19 12:48	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			01/12/19 12:48	40
Methylcyclohexane	ND		40	6.4	ug/L			01/12/19 12:48	40
Methylene Chloride	ND		40	18	ug/L			01/12/19 12:48	40
Styrene	ND		40	29	ug/L			01/12/19 12:48	40
Tetrachloroethene	ND		40	14	ug/L			01/12/19 12:48	40
Toluene	**21**	**J**	40	20	ug/L			01/12/19 12:48	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			01/12/19 12:48	40

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-8R
Date Collected: 01/10/19 10:30
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		40	15	ug/L			01/12/19 12:48	40
Trichloroethene	ND		40	18	ug/L			01/12/19 12:48	40
Trichlorofluoromethane	ND		40	35	ug/L			01/12/19 12:48	40
Vinyl chloride	**1900**		40	36	ug/L			01/12/19 12:48	40
Xylenes, Total	ND		80	26	ug/L			01/12/19 12:48	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*01/12/19 12:48*	*40*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*01/12/19 12:48*	*40*
Toluene-d8 (Surr)	*92*		*80 - 120*		*01/12/19 12:48*	*40*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*01/12/19 12:48*	*40*

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-13D
Date Collected: 01/10/19 09:35
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-14
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			01/12/19 13:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/12/19 13:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/12/19 13:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/12/19 13:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/12/19 13:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/12/19 13:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/12/19 13:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/12/19 13:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/12/19 13:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/12/19 13:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/12/19 13:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/12/19 13:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/12/19 13:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/12/19 13:16	1
2-Butanone (MEK)	**27**		10	1.3	ug/L			01/12/19 13:16	1
2-Hexanone	ND		5.0	1.2	ug/L			01/12/19 13:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/12/19 13:16	1
Acetone	**27**		10	3.0	ug/L			01/12/19 13:16	1
Benzene	ND		1.0	0.41	ug/L			01/12/19 13:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/12/19 13:16	1
Bromoform	ND		1.0	0.26	ug/L			01/12/19 13:16	1
Bromomethane	ND		1.0	0.69	ug/L			01/12/19 13:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/12/19 13:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/12/19 13:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/12/19 13:16	1
Chloroethane	**7.4**		1.0	0.32	ug/L			01/12/19 13:16	1
Chloroform	ND		1.0	0.34	ug/L			01/12/19 13:16	1
Chloromethane	ND		1.0	0.35	ug/L			01/12/19 13:16	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.81	ug/L			01/12/19 13:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/12/19 13:16	1
Cyclohexane	ND		1.0	0.18	ug/L			01/12/19 13:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/12/19 13:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/12/19 13:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/12/19 13:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/12/19 13:16	1
Methyl acetate	ND		2.5	1.3	ug/L			01/12/19 13:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/12/19 13:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/12/19 13:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/19 13:16	1
Styrene	ND		1.0	0.73	ug/L			01/12/19 13:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/19 13:16	1
Toluene	**0.54**	**J**	1.0	0.51	ug/L			01/12/19 13:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/19 13:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/12/19 13:16	1
Trichloroethene	ND		1.0	0.46	ug/L			01/12/19 13:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/12/19 13:16	1
Vinyl chloride	**1.2**		1.0	0.90	ug/L			01/12/19 13:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/12/19 13:16	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-13D
Date Collected: 01/10/19 09:35
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-14
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		01/12/19 13:16	1
4-Bromofluorobenzene (Surr)	89		73 - 120		01/12/19 13:16	1
Toluene-d8 (Surr)	93		80 - 120		01/12/19 13:16	1
Dibromofluoromethane (Surr)	88		75 - 123		01/12/19 13:16	1

Client Sample ID: GWCT
Date Collected: 01/09/19 07:45
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-15
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			01/11/19 16:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 16:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 16:13	1
1,1-Dichloroethane	**0.38**	**J**	1.0	0.38	ug/L			01/11/19 16:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 16:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 16:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 16:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 16:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 16:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 16:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 16:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 16:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 16:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 16:13	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 16:13	1
Acetone	ND		10	3.0	ug/L			01/11/19 16:13	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 16:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 16:13	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 16:13	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 16:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 16:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 16:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 16:13	1
Chloroethane	**28**		1.0	0.32	ug/L			01/11/19 16:13	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 16:13	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 16:13	1
cis-1,2-Dichloroethene	**0.93**	**J**	1.0	0.81	ug/L			01/11/19 16:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 16:13	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 16:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 16:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 16:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 16:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 16:13	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 16:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 16:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 16:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 16:13	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 16:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 16:13	1
Toluene	**0.80**	**J**	1.0	0.51	ug/L			01/11/19 16:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 16:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 16:13	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/19 16:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 16:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/11/19 16:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 16:13	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: GWCT
Date Collected: 01/09/19 07:45
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-15
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		01/11/19 16:13	1
4-Bromofluorobenzene (Surr)	84		73 - 120		01/11/19 16:13	1
Toluene-d8 (Surr)	93		80 - 120		01/11/19 16:13	1
Dibromofluoromethane (Surr)	91		75 - 123		01/11/19 16:13	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: Trip Blank
Date Collected: 01/10/19 12:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-16
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			01/11/19 16:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 16:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 16:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 16:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/11/19 16:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 16:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 16:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 16:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 16:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 16:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 16:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 16:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 16:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 16:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 16:41	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 16:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 16:41	1
Acetone	ND		10	3.0	ug/L			01/11/19 16:41	1
Benzene	ND		1.0	0.41	ug/L			01/11/19 16:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 16:41	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 16:41	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 16:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 16:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 16:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 16:41	1
Chloroethane	ND		1.0	0.32	ug/L			01/11/19 16:41	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 16:41	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 16:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/11/19 16:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 16:41	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 16:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 16:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 16:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 16:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 16:41	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 16:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 16:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 16:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 16:41	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 16:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 16:41	1
Toluene	ND		1.0	0.51	ug/L			01/11/19 16:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 16:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 16:41	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/19 16:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 16:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/11/19 16:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 16:41	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: Trip Blank
Date Collected: 01/10/19 12:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-16
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		01/11/19 16:41	1
4-Bromofluorobenzene (Surr)	87		73 - 120		01/11/19 16:41	1
Toluene-d8 (Surr)	94		80 - 120		01/11/19 16:41	1
Dibromofluoromethane (Surr)	90		75 - 123		01/11/19 16:41	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-1
Date Collected: 01/09/19 12:15
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-17
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		1.0	0.82	ug/L			01/12/19 13:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/12/19 13:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/12/19 13:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/12/19 13:43	1
1,1-Dichloroethane	**40**		1.0	0.38	ug/L			01/12/19 13:43	1
1,1-Dichloroethene	**0.39**	**J**	1.0	0.29	ug/L			01/12/19 13:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/12/19 13:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/12/19 13:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/12/19 13:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/12/19 13:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/12/19 13:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/12/19 13:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/12/19 13:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/12/19 13:43	1
2-Butanone (MEK)	**34**		10	1.3	ug/L			01/12/19 13:43	1
2-Hexanone	ND		5.0	1.2	ug/L			01/12/19 13:43	1
4-Methyl-2-pentanone (MIBK)	**2.3**	**J**	5.0	2.1	ug/L			01/12/19 13:43	1
Acetone	**82**		10	3.0	ug/L			01/12/19 13:43	1
Benzene	**0.74**	**J**	1.0	0.41	ug/L			01/12/19 13:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/12/19 13:43	1
Bromoform	ND		1.0	0.26	ug/L			01/12/19 13:43	1
Bromomethane	ND		1.0	0.69	ug/L			01/12/19 13:43	1
Carbon disulfide	**1.4**		1.0	0.19	ug/L			01/12/19 13:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/12/19 13:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/12/19 13:43	1
Chloroethane	**16**		1.0	0.32	ug/L			01/12/19 13:43	1
Chloroform	ND		1.0	0.34	ug/L			01/12/19 13:43	1
Chloromethane	ND		1.0	0.35	ug/L			01/12/19 13:43	1
cis-1,2-Dichloroethene	**33**		1.0	0.81	ug/L			01/12/19 13:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/12/19 13:43	1
Cyclohexane	ND		1.0	0.18	ug/L			01/12/19 13:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/12/19 13:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/12/19 13:43	1
Ethylbenzene	**7.8**		1.0	0.74	ug/L			01/12/19 13:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/12/19 13:43	1
Methyl acetate	ND		2.5	1.3	ug/L			01/12/19 13:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/12/19 13:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/12/19 13:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/19 13:43	1
Styrene	ND		1.0	0.73	ug/L			01/12/19 13:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/19 13:43	1
Toluene	**7.0**		1.0	0.51	ug/L			01/12/19 13:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/19 13:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/12/19 13:43	1
Trichloroethene	**5.4**		1.0	0.46	ug/L			01/12/19 13:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/12/19 13:43	1
Vinyl chloride	**13**		1.0	0.90	ug/L			01/12/19 13:43	1
Xylenes, Total	**2.7**		2.0	0.66	ug/L			01/12/19 13:43	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-1
Date Collected: 01/09/19 12:15
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-17
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		01/12/19 13:43	1
4-Bromofluorobenzene (Surr)	88		73 - 120		01/12/19 13:43	1
Toluene-d8 (Surr)	93		80 - 120		01/12/19 13:43	1
Dibromofluoromethane (Surr)	89		75 - 123		01/12/19 13:43	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-2
Date Collected: 01/09/19 12:30
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-18
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			01/11/19 17:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/19 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/19 17:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/19 17:36	1
1,1-Dichloroethane	**0.65**	**J**	1.0	0.38	ug/L			01/11/19 17:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/19 17:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/19 17:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/19 17:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/19 17:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/19 17:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/19 17:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/19 17:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/19 17:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/19 17:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/19 17:36	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/19 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/19 17:36	1
Acetone	ND		10	3.0	ug/L			01/11/19 17:36	1
Benzene	**0.47**	**J**	1.0	0.41	ug/L			01/11/19 17:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/19 17:36	1
Bromoform	ND		1.0	0.26	ug/L			01/11/19 17:36	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/19 17:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/19 17:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/19 17:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/19 17:36	1
Chloroethane	**11**		1.0	0.32	ug/L			01/11/19 17:36	1
Chloroform	ND		1.0	0.34	ug/L			01/11/19 17:36	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/19 17:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/11/19 17:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/19 17:36	1
Cyclohexane	ND		1.0	0.18	ug/L			01/11/19 17:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/19 17:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/19 17:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/19 17:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/19 17:36	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/19 17:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/19 17:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/19 17:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/19 17:36	1
Styrene	ND		1.0	0.73	ug/L			01/11/19 17:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/19 17:36	1
Toluene	ND		1.0	0.51	ug/L			01/11/19 17:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/19 17:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/19 17:36	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/19 17:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/19 17:36	1
Vinyl chloride	**11**		1.0	0.90	ug/L			01/11/19 17:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/19 17:36	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-2
Date Collected: 01/09/19 12:30
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-18
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		01/11/19 17:36	1
4-Bromofluorobenzene (Surr)	86		73 - 120		01/11/19 17:36	1
Toluene-d8 (Surr)	92		80 - 120		01/11/19 17:36	1
Dibromofluoromethane (Surr)	90		75 - 123		01/11/19 17:36	1

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-3
Date Collected: 01/09/19 12:45
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-19
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		100	82	ug/L			01/12/19 14:11	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			01/12/19 14:11	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			01/12/19 14:11	100
1,1,2-Trichloroethane	ND		100	23	ug/L			01/12/19 14:11	100
1,1-Dichloroethane	**180**		100	38	ug/L			01/12/19 14:11	100
1,1-Dichloroethene	ND		100	29	ug/L			01/12/19 14:11	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			01/12/19 14:11	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			01/12/19 14:11	100
1,2-Dibromoethane	ND		100	73	ug/L			01/12/19 14:11	100
1,2-Dichlorobenzene	ND		100	79	ug/L			01/12/19 14:11	100
1,2-Dichloroethane	ND		100	21	ug/L			01/12/19 14:11	100
1,2-Dichloropropane	ND		100	72	ug/L			01/12/19 14:11	100
1,3-Dichlorobenzene	ND		100	78	ug/L			01/12/19 14:11	100
1,4-Dichlorobenzene	ND		100	84	ug/L			01/12/19 14:11	100
2-Butanone (MEK)	ND		1000	130	ug/L			01/12/19 14:11	100
2-Hexanone	ND		500	120	ug/L			01/12/19 14:11	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			01/12/19 14:11	100
Acetone	ND		1000	300	ug/L			01/12/19 14:11	100
Benzene	ND		100	41	ug/L			01/12/19 14:11	100
Bromodichloromethane	ND		100	39	ug/L			01/12/19 14:11	100
Bromoform	ND		100	26	ug/L			01/12/19 14:11	100
Bromomethane	ND		100	69	ug/L			01/12/19 14:11	100
Carbon disulfide	ND		100	19	ug/L			01/12/19 14:11	100
Carbon tetrachloride	ND		100	27	ug/L			01/12/19 14:11	100
Chlorobenzene	ND		100	75	ug/L			01/12/19 14:11	100
Chloroethane	ND		100	32	ug/L			01/12/19 14:11	100
Chloroform	ND		100	34	ug/L			01/12/19 14:11	100
Chloromethane	ND		100	35	ug/L			01/12/19 14:11	100
cis-1,2-Dichloroethene	**6400**		100	81	ug/L			01/12/19 14:11	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			01/12/19 14:11	100
Cyclohexane	ND		100	18	ug/L			01/12/19 14:11	100
Dibromochloromethane	ND		100	32	ug/L			01/12/19 14:11	100
Dichlorodifluoromethane	ND		100	68	ug/L			01/12/19 14:11	100
Ethylbenzene	ND		100	74	ug/L			01/12/19 14:11	100
Isopropylbenzene	ND		100	79	ug/L			01/12/19 14:11	100
Methyl acetate	ND		250	130	ug/L			01/12/19 14:11	100
Methyl tert-butyl ether	ND		100	16	ug/L			01/12/19 14:11	100
Methylcyclohexane	ND		100	16	ug/L			01/12/19 14:11	100
Methylene Chloride	ND		100	44	ug/L			01/12/19 14:11	100
Styrene	ND		100	73	ug/L			01/12/19 14:11	100
Tetrachloroethene	ND		100	36	ug/L			01/12/19 14:11	100
Toluene	ND		100	51	ug/L			01/12/19 14:11	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			01/12/19 14:11	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			01/12/19 14:11	100
Trichloroethene	ND		100	46	ug/L			01/12/19 14:11	100
Trichlorofluoromethane	ND		100	88	ug/L			01/12/19 14:11	100
Vinyl chloride	**9100**		100	90	ug/L			01/12/19 14:11	100
Xylenes, Total	ND		200	66	ug/L			01/12/19 14:11	100

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-3
Date Collected: 01/09/19 12:45
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-19
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		01/12/19 14:11	100
4-Bromofluorobenzene (Surr)	86		73 - 120		01/12/19 14:11	100
Toluene-d8 (Surr)	92		80 - 120		01/12/19 14:11	100
Dibromofluoromethane (Surr)	90		75 - 123		01/12/19 14:11	100

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-4
Date Collected: 01/09/19 13:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-20
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		8.0	6.6	ug/L			01/12/19 14:38	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			01/12/19 14:38	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			01/12/19 14:38	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			01/12/19 14:38	8
1,1-Dichloroethane	**15**		8.0	3.0	ug/L			01/12/19 14:38	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			01/12/19 14:38	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			01/12/19 14:38	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			01/12/19 14:38	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			01/12/19 14:38	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			01/12/19 14:38	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			01/12/19 14:38	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			01/12/19 14:38	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			01/12/19 14:38	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			01/12/19 14:38	8
2-Butanone (MEK)	ND		80	11	ug/L			01/12/19 14:38	8
2-Hexanone	ND		40	9.9	ug/L			01/12/19 14:38	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			01/12/19 14:38	8
Acetone	ND		80	24	ug/L			01/12/19 14:38	8
Benzene	ND		8.0	3.3	ug/L			01/12/19 14:38	8
Bromodichloromethane	ND		8.0	3.1	ug/L			01/12/19 14:38	8
Bromoform	ND		8.0	2.1	ug/L			01/12/19 14:38	8
Bromomethane	ND		8.0	5.5	ug/L			01/12/19 14:38	8
Carbon disulfide	ND		8.0	1.5	ug/L			01/12/19 14:38	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			01/12/19 14:38	8
Chlorobenzene	ND		8.0	6.0	ug/L			01/12/19 14:38	8
Chloroethane	ND		8.0	2.6	ug/L			01/12/19 14:38	8
Chloroform	ND		8.0	2.7	ug/L			01/12/19 14:38	8
Chloromethane	ND		8.0	2.8	ug/L			01/12/19 14:38	8
cis-1,2-Dichloroethene	**48**		8.0	6.5	ug/L			01/12/19 14:38	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			01/12/19 14:38	8
Cyclohexane	ND		8.0	1.4	ug/L			01/12/19 14:38	8
Dibromochloromethane	ND		8.0	2.6	ug/L			01/12/19 14:38	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			01/12/19 14:38	8
Ethylbenzene	ND		8.0	5.9	ug/L			01/12/19 14:38	8
Isopropylbenzene	ND		8.0	6.3	ug/L			01/12/19 14:38	8
Methyl acetate	ND		20	10	ug/L			01/12/19 14:38	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			01/12/19 14:38	8
Methylcyclohexane	ND		8.0	1.3	ug/L			01/12/19 14:38	8
Methylene Chloride	ND		8.0	3.5	ug/L			01/12/19 14:38	8
Styrene	ND		8.0	5.8	ug/L			01/12/19 14:38	8
Tetrachloroethene	ND		8.0	2.9	ug/L			01/12/19 14:38	8
Toluene	ND		8.0	4.1	ug/L			01/12/19 14:38	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			01/12/19 14:38	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			01/12/19 14:38	8
Trichloroethene	ND		8.0	3.7	ug/L			01/12/19 14:38	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			01/12/19 14:38	8
Vinyl chloride	**500**		8.0	7.2	ug/L			01/12/19 14:38	8
Xylenes, Total	ND		16	5.3	ug/L			01/12/19 14:38	8

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-4
Date Collected: 01/09/19 13:00
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-20
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		01/12/19 14:38	8
4-Bromofluorobenzene (Surr)	86		73 - 120		01/12/19 14:38	8
Toluene-d8 (Surr)	92		80 - 120		01/12/19 14:38	8
Dibromofluoromethane (Surr)	90		75 - 123		01/12/19 14:38	8

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-5
Date Collected: 01/09/19 13:15
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-21
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			01/12/19 15:06	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/12/19 15:06	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/12/19 15:06	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/12/19 15:06	10
1,1-Dichloroethane	**35**		10	3.8	ug/L			01/12/19 15:06	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/12/19 15:06	10
1,2,4-Trichlorobenzene	ND	F1	10	4.1	ug/L			01/12/19 15:06	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/12/19 15:06	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/12/19 15:06	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/12/19 15:06	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/12/19 15:06	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/12/19 15:06	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/12/19 15:06	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/12/19 15:06	10
2-Butanone (MEK)	**20**	**J**	100	13	ug/L			01/12/19 15:06	10
2-Hexanone	ND		50	12	ug/L			01/12/19 15:06	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/12/19 15:06	10
Acetone	**40**	**J**	100	30	ug/L			01/12/19 15:06	10
Benzene	ND		10	4.1	ug/L			01/12/19 15:06	10
Bromodichloromethane	ND		10	3.9	ug/L			01/12/19 15:06	10
Bromoform	ND		10	2.6	ug/L			01/12/19 15:06	10
Bromomethane	ND		10	6.9	ug/L			01/12/19 15:06	10
Carbon disulfide	ND		10	1.9	ug/L			01/12/19 15:06	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/12/19 15:06	10
Chlorobenzene	ND		10	7.5	ug/L			01/12/19 15:06	10
Chloroethane	**32**		10	3.2	ug/L			01/12/19 15:06	10
Chloroform	ND		10	3.4	ug/L			01/12/19 15:06	10
Chloromethane	ND		10	3.5	ug/L			01/12/19 15:06	10
cis-1,2-Dichloroethene	**830**	**F1**	10	8.1	ug/L			01/12/19 15:06	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/12/19 15:06	10
Cyclohexane	ND		10	1.8	ug/L			01/12/19 15:06	10
Dibromochloromethane	ND		10	3.2	ug/L			01/12/19 15:06	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/12/19 15:06	10
Ethylbenzene	ND		10	7.4	ug/L			01/12/19 15:06	10
Isopropylbenzene	ND		10	7.9	ug/L			01/12/19 15:06	10
Methyl acetate	ND		25	13	ug/L			01/12/19 15:06	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/12/19 15:06	10
Methylcyclohexane	ND		10	1.6	ug/L			01/12/19 15:06	10
Methylene Chloride	ND		10	4.4	ug/L			01/12/19 15:06	10
Styrene	ND	F1	10	7.3	ug/L			01/12/19 15:06	10
Tetrachloroethene	ND		10	3.6	ug/L			01/12/19 15:06	10
Toluene	**6.4**	**J**	10	5.1	ug/L			01/12/19 15:06	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/12/19 15:06	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/12/19 15:06	10
Trichloroethene	**8.5**	**J**	10	4.6	ug/L			01/12/19 15:06	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/12/19 15:06	10
Vinyl chloride	**410**	**F1**	10	9.0	ug/L			01/12/19 15:06	10
Xylenes, Total	ND		20	6.6	ug/L			01/12/19 15:06	10

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-5
Date Collected: 01/09/19 13:15
Date Received: 01/10/19 14:45

Lab Sample ID: 480-147748-21
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*01/12/19 15:06*	*10*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*01/12/19 15:06*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/12/19 15:06*	*10*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*01/12/19 15:06*	*10*

Lab Chronicle

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: MW-2
Lab Sample ID: 480-147748-1
Date Collected: 01/09/19 09:40
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454632	01/11/19 00:21	OMI	TAL BUF

Client Sample ID: MW-3
Lab Sample ID: 480-147748-2
Date Collected: 01/09/19 10:50
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454632	01/11/19 00:49	OMI	TAL BUF

Client Sample ID: MW-4
Lab Sample ID: 480-147748-3
Date Collected: 01/10/19 11:20
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	454651	01/11/19 12:06	OMI	TAL BUF

Client Sample ID: DPE-6
Lab Sample ID: 480-147748-4
Date Collected: 01/09/19 12:00
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454651	01/11/19 12:33	OMI	TAL BUF

Client Sample ID: DPE-7
Lab Sample ID: 480-147748-5
Date Collected: 01/09/19 13:20
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	454651	01/11/19 13:01	OMI	TAL BUF

Client Sample ID: MW-11
Lab Sample ID: 480-147748-6
Date Collected: 01/09/19 11:50
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454651	01/11/19 13:28	OMI	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-8

Lab Sample ID: 480-147748-7

Date Collected: 01/09/19 13:35
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	454632	01/11/19 03:05	OMI	TAL BUF
Total/NA	Analysis	8260C	DL	125	454651	01/11/19 13:56	OMI	TAL BUF

Client Sample ID: MW-16S

Lab Sample ID: 480-147748-8

Date Collected: 01/09/19 13:40
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1000	454632	01/11/19 03:33	OMI	TAL BUF

Client Sample ID: Duplicate

Lab Sample ID: 480-147748-9

Date Collected: 01/09/19 16:00
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454651	01/11/19 14:23	OMI	TAL BUF

Client Sample ID: Rinse

Lab Sample ID: 480-147748-10

Date Collected: 01/10/19 15:00
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454632	01/11/19 04:28	OMI	TAL BUF

Client Sample ID: MW-16D

Lab Sample ID: 480-147748-11

Date Collected: 01/10/19 08:45
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454632	01/11/19 04:55	OMI	TAL BUF
Total/NA	Analysis	8260C	DL	2	454651	01/11/19 14:51	OMI	TAL BUF

Client Sample ID: MW-13S

Lab Sample ID: 480-147748-12

Date Collected: 01/09/19 13:20
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	454632	01/11/19 05:22	OMI	TAL BUF

Client Sample ID: MW-8R
Lab Sample ID: 480-147748-13
Date Collected: 01/10/19 10:30
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	454632	01/11/19 05:50	OMI	TAL BUF
Total/NA	Analysis	8260C	DL	40	454795	01/12/19 12:48	RJF	TAL BUF

Client Sample ID: MW-13D
Lab Sample ID: 480-147748-14
Date Collected: 01/10/19 09:35
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454795	01/12/19 13:16	RJF	TAL BUF

Client Sample ID: GWCT
Lab Sample ID: 480-147748-15
Date Collected: 01/09/19 07:45
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454651	01/11/19 16:13	OMI	TAL BUF

Client Sample ID: Trip Blank
Lab Sample ID: 480-147748-16
Date Collected: 01/10/19 12:00
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454651	01/11/19 16:41	OMI	TAL BUF

Client Sample ID: DPE-1
Lab Sample ID: 480-147748-17
Date Collected: 01/09/19 12:15
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454795	01/12/19 13:43	RJF	TAL BUF

Client Sample ID: DPE-2
Lab Sample ID: 480-147748-18
Date Collected: 01/09/19 12:30
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454651	01/11/19 17:36	OMI	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-147748-1

Client Sample ID: DPE-3

Lab Sample ID: 480-147748-19

Date Collected: 01/09/19 12:45
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	454795	01/12/19 14:11	RJF	TAL BUF

Client Sample ID: DPE-4

Lab Sample ID: 480-147748-20

Date Collected: 01/09/19 13:00
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	454795	01/12/19 14:38	RJF	TAL BUF

Client Sample ID: DPE-5

Lab Sample ID: 480-147748-21

Date Collected: 01/09/19 13:15
Matrix: Water
Date Received: 01/10/19 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	454795	01/12/19 15:06	RJF	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
TestAmerica Job ID: 480-147748-1
Project/Site: Scott Figgie West of Plant 2

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

Method Summary

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

TestAmerica Job ID: 480-147748-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

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

TestAmerica Job ID: 480-147748-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-147748-1	MW-2	Water	01/09/19 09:40	01/10/19 14:45
480-147748-2	MW-3	Water	01/09/19 10:50	01/10/19 14:45
480-147748-3	MW-4	Water	01/10/19 11:20	01/10/19 14:45
480-147748-4	DPE-6	Water	01/09/19 12:00	01/10/19 14:45
480-147748-5	DPE-7	Water	01/09/19 13:20	01/10/19 14:45
480-147748-6	MW-11	Water	01/09/19 11:50	01/10/19 14:45
480-147748-7	DPE-8	Water	01/09/19 13:35	01/10/19 14:45
480-147748-8	MW-16S	Water	01/09/19 13:40	01/10/19 14:45
480-147748-9	Duplicate	Water	01/09/19 16:00	01/10/19 14:45
480-147748-10	Rinse	Water	01/10/19 15:00	01/10/19 14:45
480-147748-11	MW-16D	Water	01/10/19 08:45	01/10/19 14:45
480-147748-12	MW-13S	Water	01/09/19 13:20	01/10/19 14:45
480-147748-13	MW-8R	Water	01/10/19 10:30	01/10/19 14:45
480-147748-14	MW-13D	Water	01/10/19 09:35	01/10/19 14:45
480-147748-15	GWCT	Water	01/09/19 07:45	01/10/19 14:45
480-147748-16	Trip Blank	Water	01/10/19 12:00	01/10/19 14:45
480-147748-17	DPE-1	Water	01/09/19 12:15	01/10/19 14:45
480-147748-18	DPE-2	Water	01/09/19 12:30	01/10/19 14:45
480-147748-19	DPE-3	Water	01/09/19 12:45	01/10/19 14:45
480-147748-20	DPE-4	Water	01/09/19 13:00	01/10/19 14:45
480-147748-21	DPE-5	Water	01/09/19 13:15	01/10/19 14:45

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-147748-1

Login Number: 147748

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

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.	N/A	
Chlorine Residual checked.	N/A	

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-122882-3450.1
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:	Analysis Requested		Preservation Codes: 480-147748 COC
City: Buffalo	TAT Requested (days):			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:
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#:			

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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-2	1/9/19	940	G	Water	N	N	3		
MW-3	1/9/19	1050	G	Water	N	N	3		
MW-4	1/10/19	1120	G	Water	N	N	3		
DPE-6	1/9/19	1200	G	Water	N	N	3		
DPE-7	1/9/19	1320	G	Water	N	N	3		
MW-11	1/9/19	1152	G	Water	N	N	3		
DPE-8	1/9/19	1335	G	Water	N	N	3		
MW-16S	1/9/19	1340	G	Water	N	N	3		
Duplicate	1/9/19	1600	G	Water	N	N	3		
Rinse	1/10/19	1500	G	Water	N	N	3		
MW-16D	1/10/19	0845	G	Water	N	N	3		

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]	1/10/19 1445	Aecom	[signature]	1/11/19 1445	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1 #1 ICE

Ver: 08/04/2016

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-122882-3450.2
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:	Analysis Requested		Preservation Codes:
City: Buffalo	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 14202-2657				
Phone:	PO #: Purchase Order not requir			Other:
Email: dino.zack@aecom.com	WO #:			
Project Name: Scott Aviation site	Project #: 48002539			
Site: New York	SSOW#:			

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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-13S	1/9/19	1320	G	Water	N	N	3		
MW-8R	1/10/19	1030	G	Water	N	N	3		
MW-13D	1/10/19	0935	G	Water	N	N	3		
GWCT	1/9/19	0745	G	Water	N	N	3		
Trip	1/10/19	1200	G	Water	N	N	3		
DPE-1	1/9/19	1215	G	Water	N	N	3		
DPE-2	1/9/19	1230	G	Water	N	N	3		
DPE-3	1/9/19	1245	G	Water	N	N	3		
DPE-4	1/9/19	1300	G	Water	N	N	3		
DPE-5	1/9/19	1315	G	Water	N	N	3		

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: 1/10/19 1445	Company: Aecom	Received by: Cum Kow Civdb Date/Time: 1/10/19 1445 Company: TA
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: 2.4 #1 ICE

Ver: 08/04/2016

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 200-46999-1
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

Authorized for release by:
1/22/2019 10:15:49 AM

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 200-46999-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
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

TestAmerica Job ID: 200-46999-1

Job ID: 200-46999-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-46999-1

Comments
No additional comments.

Receipt
The sample was received on 1/11/2019 11:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

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

Client Sample ID: 1Q19 AS
Date Collected: 01/08/19 09:00
Date Received: 01/11/19 11:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-46999-1
Matrix: Air

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			01/16/19 07:57	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.40	ppb v/v			01/16/19 07:57	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,3-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			01/16/19 07:57	1
2,2,4-Trimethylpentane	**0.55**		0.20	0.20	ppb v/v			01/16/19 07:57	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Acetone	5.0	U	5.0	5.0	ppb v/v			01/16/19 07:57	1
Benzene	**0.37**		0.20	0.20	ppb v/v			01/16/19 07:57	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Carbon disulfide	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Chloroethane	**13**		0.50	0.50	ppb v/v			01/16/19 07:57	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
cis-1,2-Dichloroethene	**0.39**		0.20	0.20	ppb v/v			01/16/19 07:57	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Cyclohexane	**0.27**		0.20	0.20	ppb v/v			01/16/19 07:57	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			01/16/19 07:57	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
Methyl Ethyl Ketone	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			01/16/19 07:57	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1

Client Sample ID: 1Q19 AS
Date Collected: 01/08/19 09:00
Date Received: 01/11/19 11:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-46999-1
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			01/16/19 07:57	1
n-Heptane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
n-Hexane	**0.83**		0.20	0.20	ppb v/v			01/16/19 07:57	1
Styrene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			01/16/19 07:57	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			01/16/19 07:57	1
Toluene	**1.2**		0.20	0.20	ppb v/v			01/16/19 07:57	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Trichlorofluoromethane	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	1
Vinyl chloride	**0.41**		0.20	0.20	ppb v/v			01/16/19 07:57	1
Xylene (total)	0.70	U	0.70	0.70	ppb v/v			01/16/19 07:57	1
Xylene, o-	0.20	U	0.20	0.20	ppb v/v			01/16/19 07:57	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			01/16/19 07:57	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			01/16/19 07:57	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			01/16/19 07:57	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			01/16/19 07:57	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			01/16/19 07:57	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			01/16/19 07:57	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			01/16/19 07:57	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			01/16/19 07:57	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/16/19 07:57	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			01/16/19 07:57	1
1,2-Dichloroethene, Total	1.6	U	1.6	1.6	ug/m3			01/16/19 07:57	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			01/16/19 07:57	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			01/16/19 07:57	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			01/16/19 07:57	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			01/16/19 07:57	1
1,3-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/16/19 07:57	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/16/19 07:57	1
1,4-Dioxane	18	U	18	18	ug/m3			01/16/19 07:57	1
2,2,4-Trimethylpentane	**2.6**		0.93	0.93	ug/m3			01/16/19 07:57	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			01/16/19 07:57	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			01/16/19 07:57	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			01/16/19 07:57	1
Acetone	12	U	12	12	ug/m3			01/16/19 07:57	1
Benzene	**1.2**		0.64	0.64	ug/m3			01/16/19 07:57	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			01/16/19 07:57	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			01/16/19 07:57	1
Bromoform	2.1	U	2.1	2.1	ug/m3			01/16/19 07:57	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			01/16/19 07:57	1
Carbon disulfide	1.6	U	1.6	1.6	ug/m3			01/16/19 07:57	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			01/16/19 07:57	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			01/16/19 07:57	1
Chloroethane	**34**		1.3	1.3	ug/m3			01/16/19 07:57	1

Client Sample ID: 1Q19 AS
Date Collected: 01/08/19 09:00
Date Received: 01/11/19 11:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-46999-1
Matrix: Air

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			01/16/19 07:57	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			01/16/19 07:57	1
cis-1,2-Dichloroethene	**1.5**		0.79	0.79	ug/m3			01/16/19 07:57	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			01/16/19 07:57	1
Cyclohexane	**0.93**		0.69	0.69	ug/m3			01/16/19 07:57	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			01/16/19 07:57	1
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			01/16/19 07:57	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			01/16/19 07:57	1
Freon TF	1.5	U	1.5	1.5	ug/m3			01/16/19 07:57	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			01/16/19 07:57	1
Isopropyl alcohol	12	U	12	12	ug/m3			01/16/19 07:57	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			01/16/19 07:57	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			01/16/19 07:57	1
Methyl Ethyl Ketone	1.5	U	1.5	1.5	ug/m3			01/16/19 07:57	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			01/16/19 07:57	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			01/16/19 07:57	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			01/16/19 07:57	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			01/16/19 07:57	1
n-Hexane	**2.9**		0.70	0.70	ug/m3			01/16/19 07:57	1
Styrene	0.85	U	0.85	0.85	ug/m3			01/16/19 07:57	1
tert-Butyl alcohol	15	U	15	15	ug/m3			01/16/19 07:57	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			01/16/19 07:57	1
Tetrahydrofuran	15	U	15	15	ug/m3			01/16/19 07:57	1
Toluene	**4.6**		0.75	0.75	ug/m3			01/16/19 07:57	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			01/16/19 07:57	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			01/16/19 07:57	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			01/16/19 07:57	1
Trichlorofluoromethane	1.1	U	1.1	1.1	ug/m3			01/16/19 07:57	1
Vinyl chloride	**1.0**		0.51	0.51	ug/m3			01/16/19 07:57	1
Xylene (total)	3.0	U	3.0	3.0	ug/m3			01/16/19 07:57	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			01/16/19 07:57	1

Lab Chronicle

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

TestAmerica Job ID: 200-46999-1

Client Sample ID: 1Q19 AS
Date Collected: 01/08/19 09:00
Date Received: 01/11/19 11:15

Lab Sample ID: 200-46999-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	139129	01/16/19 07:57	K1P	TAL BUR

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
TestAmerica Job ID: 200-46999-1
Project/Site: Scott Figgie West of Plant 2

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Identification Number	Expiration Date
ANAB	DoD ELAP		L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-19 *
Florida	NELAP	4	E87467	06-30-19
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-19
New Hampshire	NELAP	1	2006	12-18-19
New Jersey	NELAP	2	VT972	06-30-19
New York	NELAP	2	10391	04-01-19
Pennsylvania	NELAP	3	68-00489	04-30-19
Rhode Island	State Program	1	LAO00298	12-30-19
US Fish & Wildlife	Federal		LE-058448-0	07-31-19
USDA	Federal		P330-11-00093	07-24-20
Vermont	State Program	1	VT-4000	12-31-19
Virginia	NELAP	3	460209	12-14-19

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

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

Method Summary

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

TestAmerica Job ID: 200-46999-1

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 = 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

TestAmerica Job ID: 200-46999-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-46999-1	1Q19 AS	Air	01/08/19 09:00	01/11/19 11:15

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.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

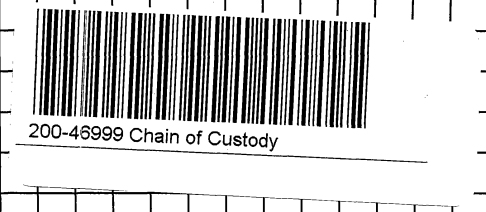
Client Contact Information	**Client Project Manager:** Dino Zack	**Samples Collected By:** Dino Zack
Company Name: AECOM	Phone: 716 866 8222	
Address: 257 West Genesee St.	Email: dino.zack@aecom.com	
City/State/Zip Buffalo, NY		
Phone: 716 866 8222	Site Contact:	
FAX:	Tel/Fax	
Project Name: Scott Figsic 1Q19	**Anaylsis Turnaround Time**	
Site/Location: Lancaster NY	Standard (Specific):	
P O #	Rush (Specifiy):	

COC No: 1 of 1 COCs

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:
(See below for Add'l Items)

Sample Identification	Sample Date(s)	Time Start	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 sectio	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:
1Q19 AS	1/8/19	0900	0900	-29.9	NA	NA	3266		TO 15													



	Temperature (Fahrenheit)		
Start	Interior	Ambient	
Stop			

	Pressure (inches of Hg)		
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments:
TO15 - TO15 all.sub

Samples Shipped by:	**Date / Time:** 1/8/19 1000hrs	**Samples Received by:**	TSB 1/10/19 1600
Samples Relinquished by:	**Date / Time:** 1/10/19 1700	**Received by:**	Taylor Johnson THSJ 1/11/19 1115
Relinquished by:	**Date / Time:**	**Received by:**	
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**	Intact

Form No. CA-C-WI-003, Rev. 2.5, dated 9/22/2017

1/22/2019

ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST , NY 14228
UNITED STATES US

SHIP DATE: 10JAN19
ACTWGT: 6.65 LB
CAD: 846654/CAFE3211
DIMS: 16x10x10 IN

BILL RECIPIENT

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

FedEx Express

TRK# 0201 4276 0718 8514

FRI - 11 JAN 10:30A
PRIORITY OVERNIGHT

NC BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: AECOM

Job Number: 200-46999-1

Login Number: 46999
List Number: 1
Creator: Mohn, Taylor J

List Source: 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	712118, -119
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	
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	

AECOM

APPENDIX D

Historical and Current 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

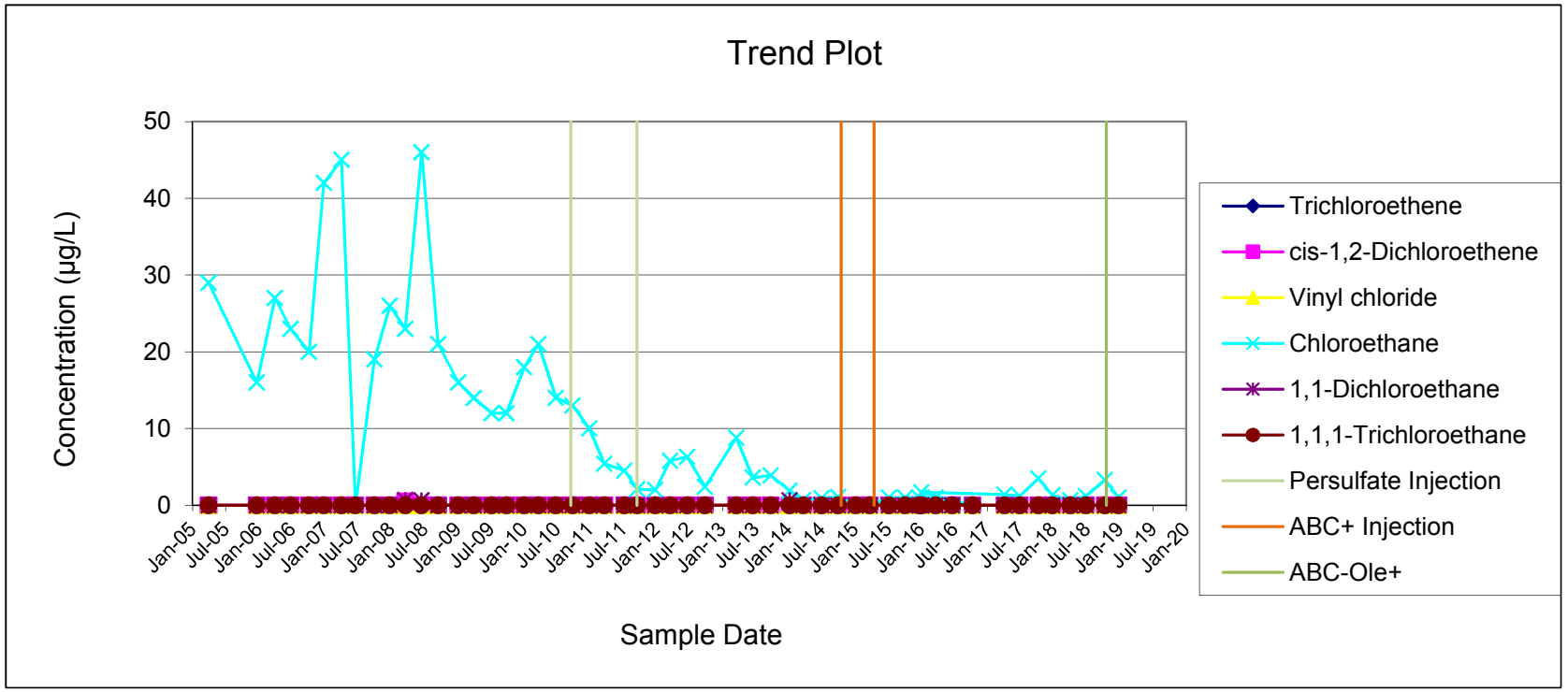
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
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	1.0	<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

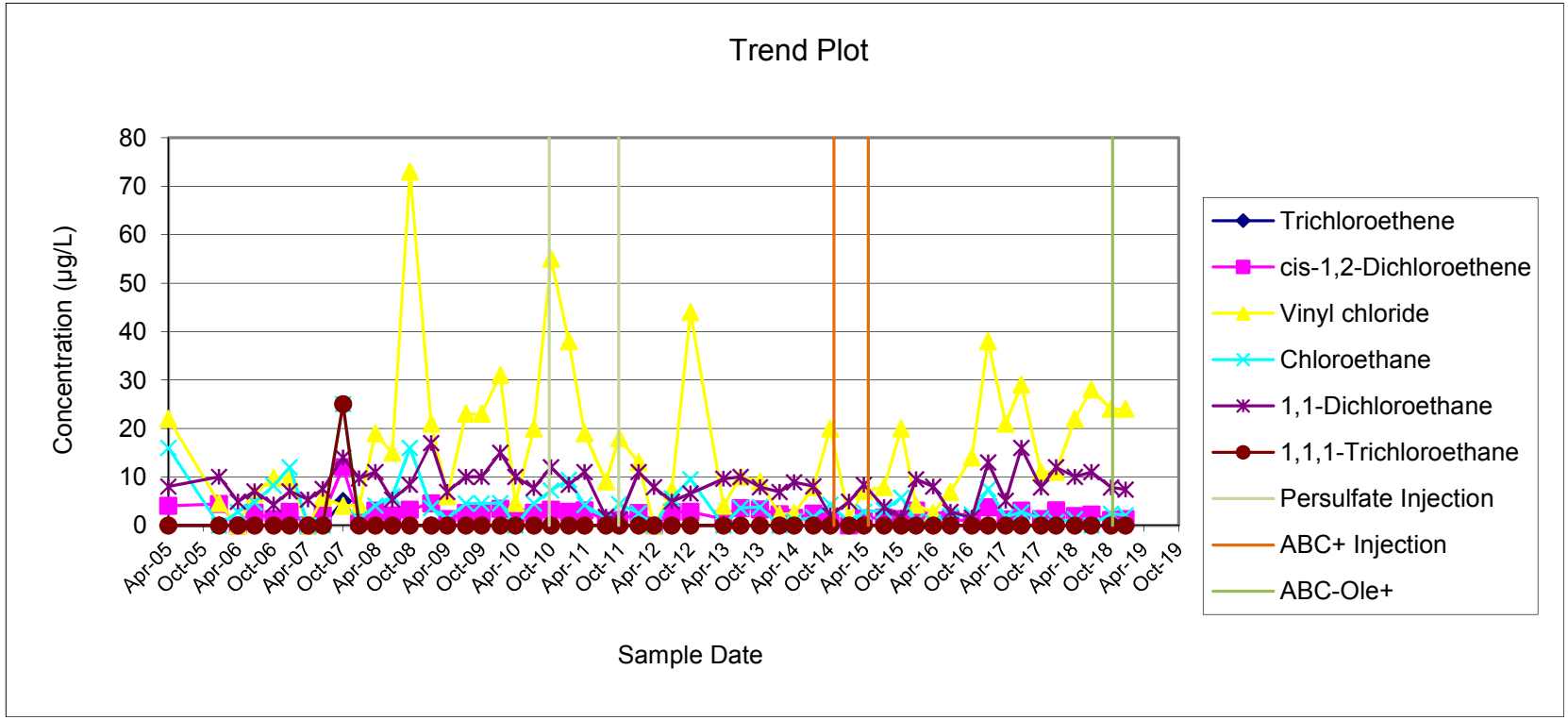
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4	22	16	8	<10
1/5/2006	< 25	4.4	4.6	< 25	10	< 25
4/14/2006	< 25	< 25	< 25	2.8	4.9	< 25
7/10/2006	< 25	2.6	6.5	4.8	7	< 25
10/18/2006	< 5	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

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

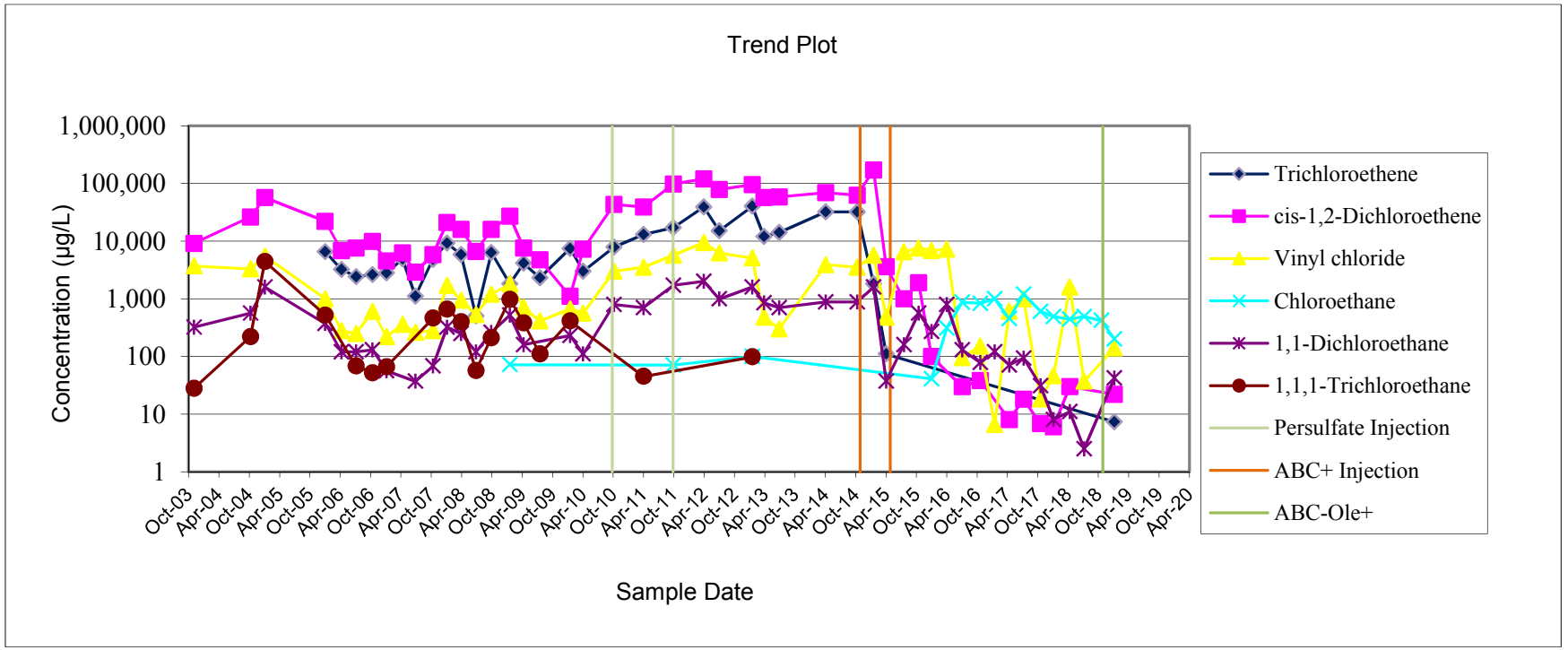
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	22,000	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

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

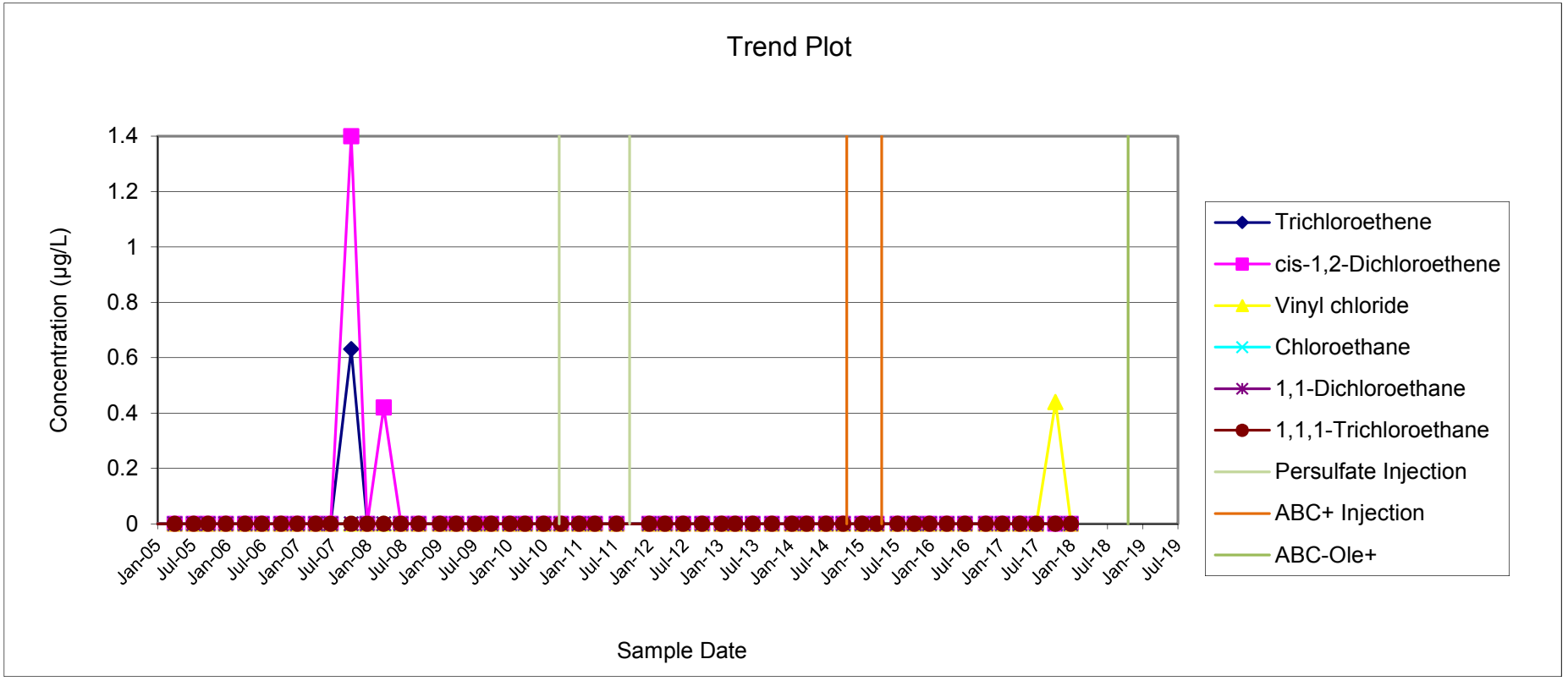
Note well was decommissioned following the January 2018 sampling event.

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
10/24/2018	12	2,700	1,900	17	36	<10

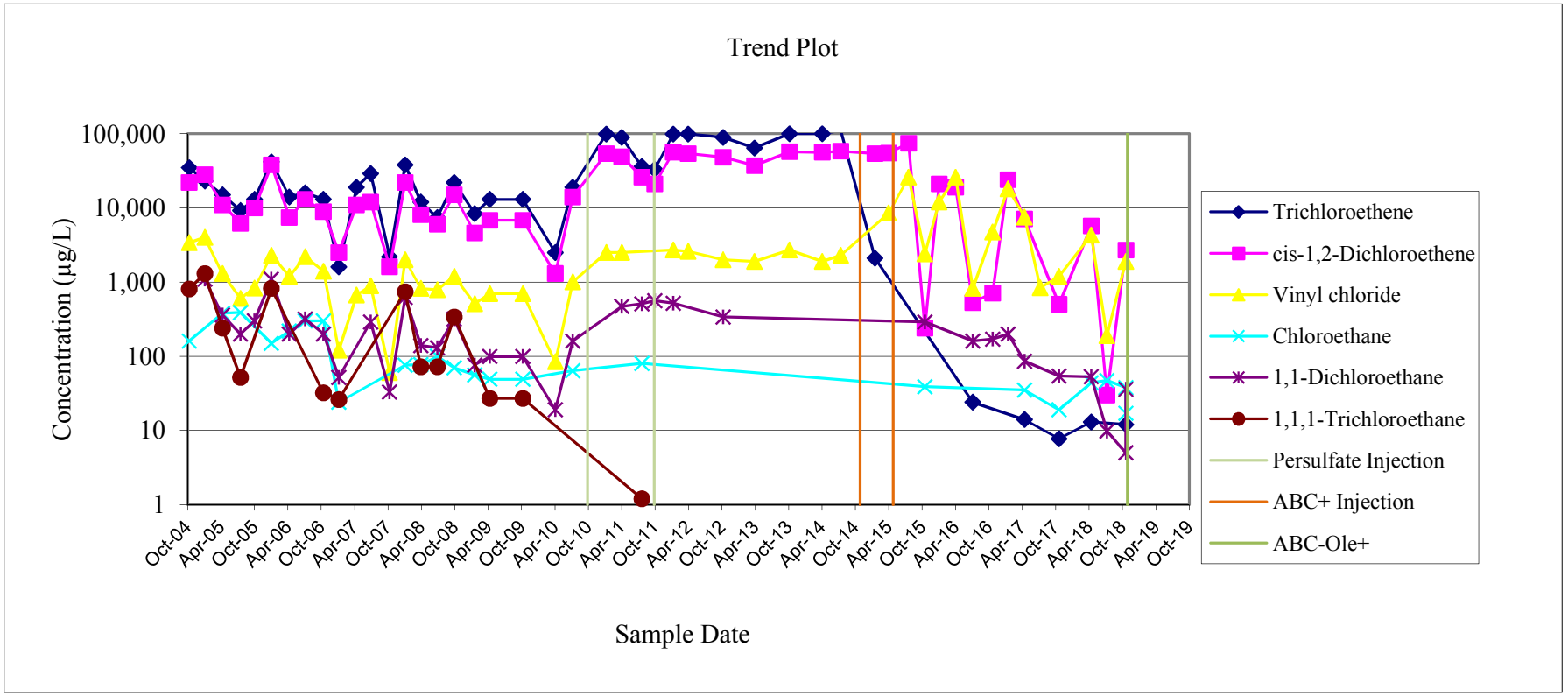
Note well was not accessible during the January 2018 sampling event.

MONITORING WELL MW-8R

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York

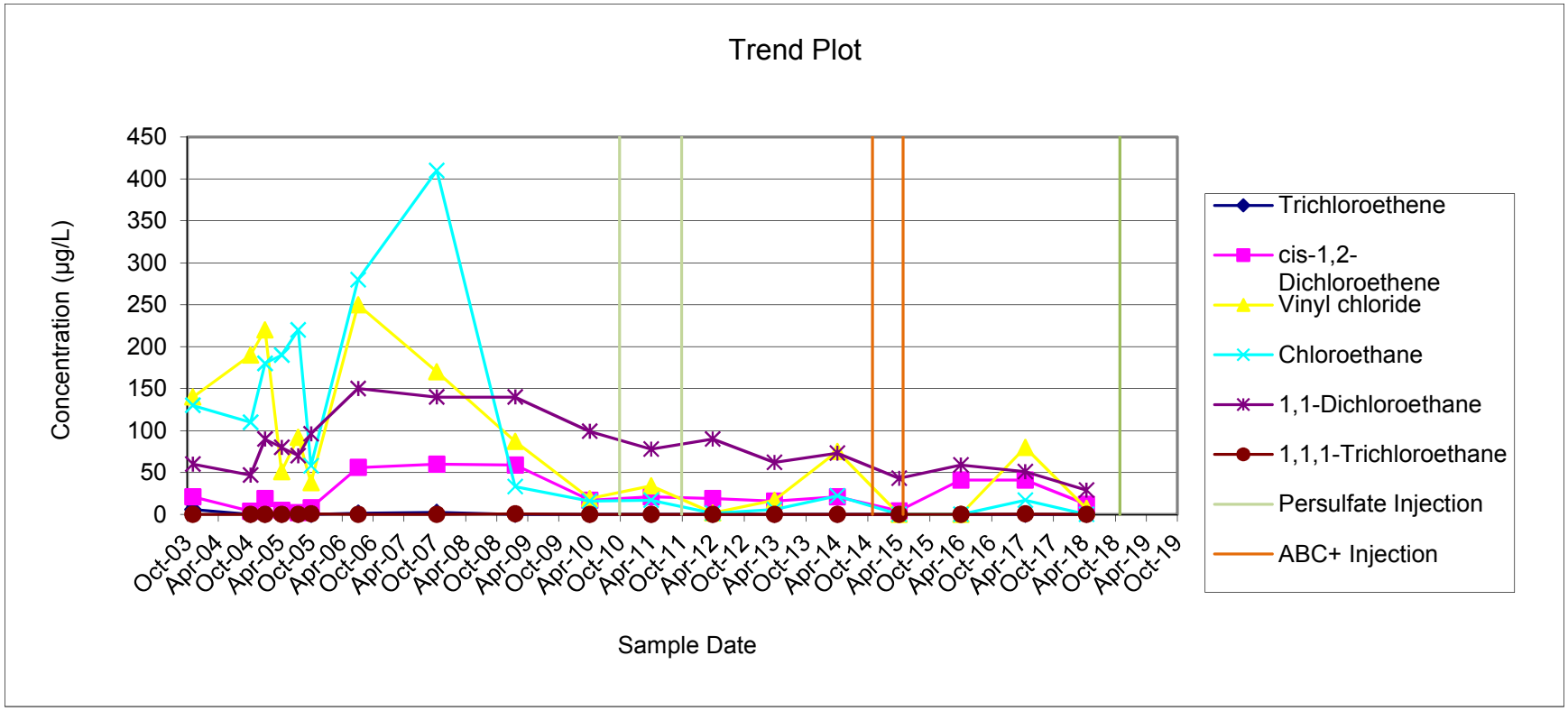


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

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

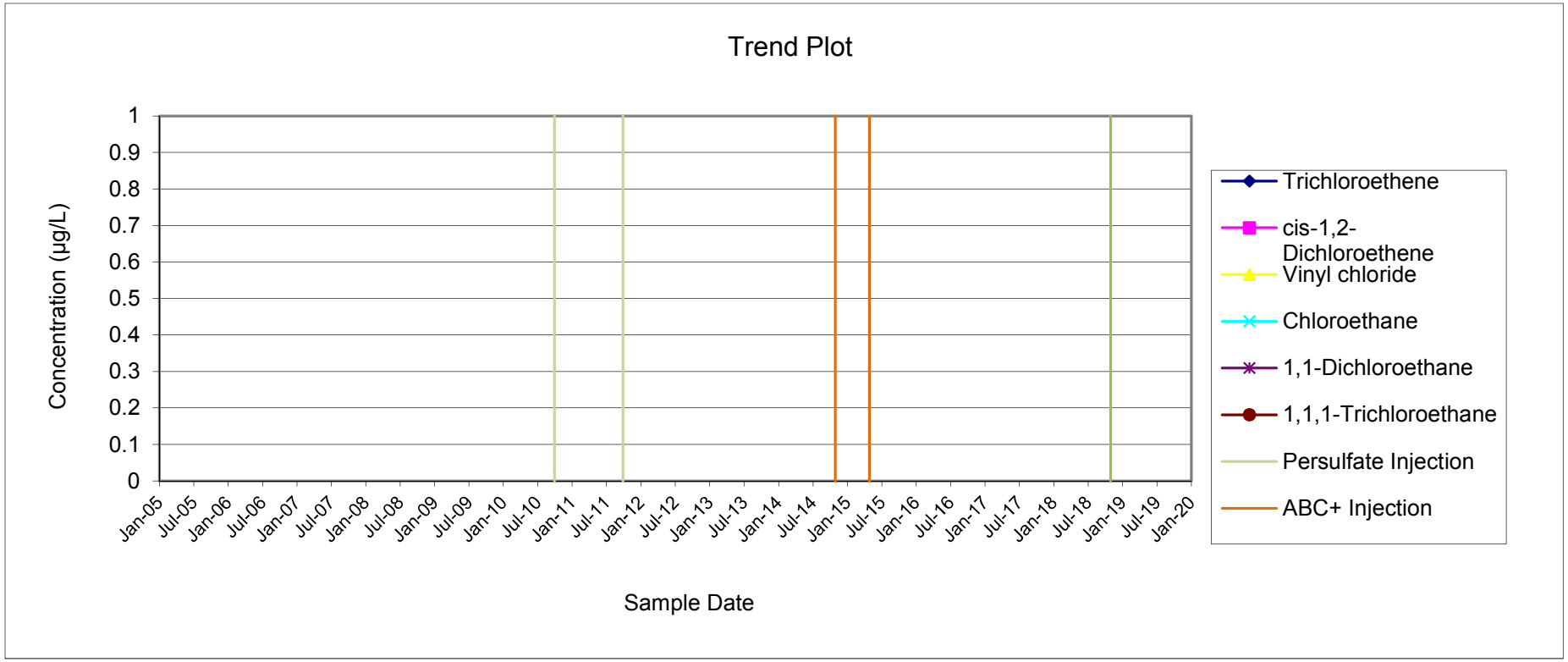
Note well was decommissioned following the July 2018 sampling event.

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

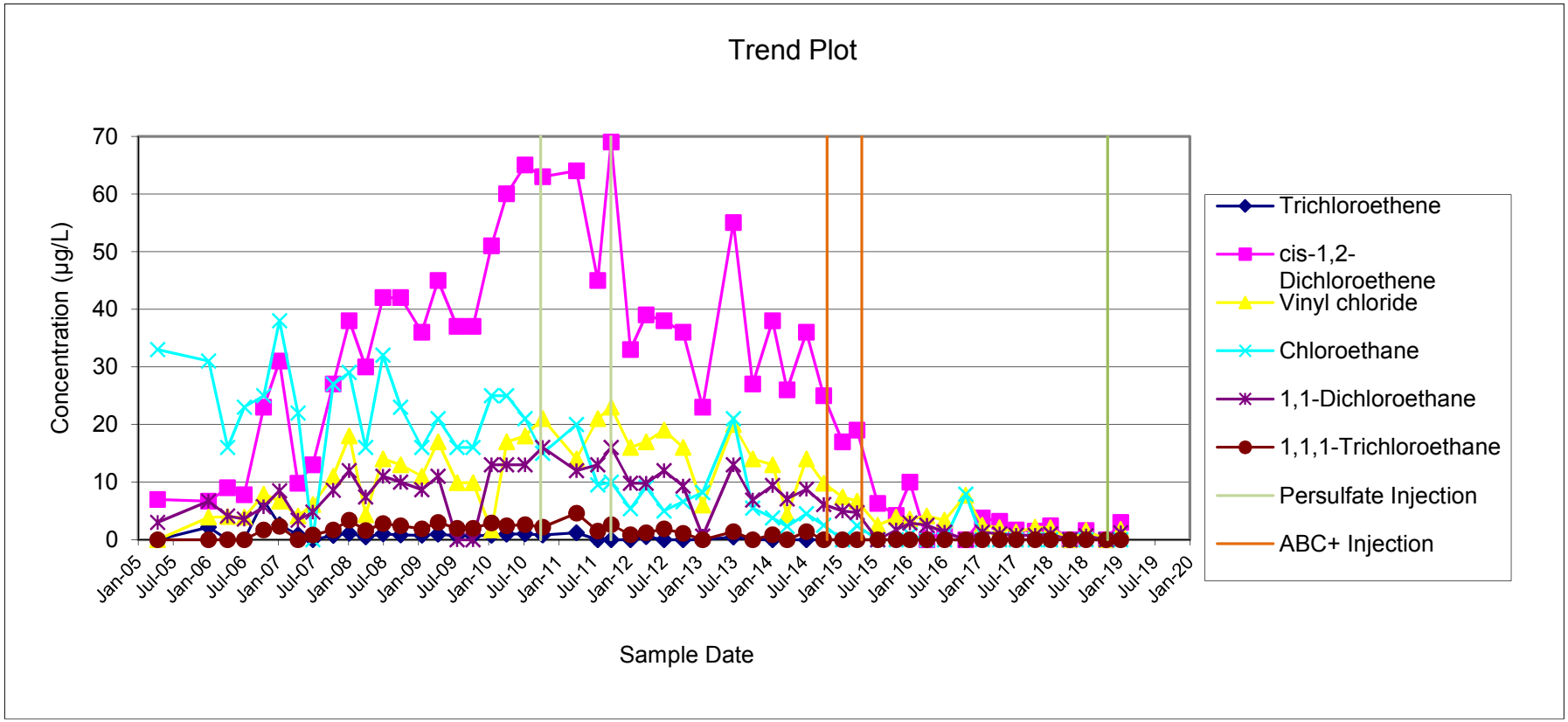
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7	< 10	33	3	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9	4	16	4.1	< 20
7/10/2006	< 20	7.8	3.9	23	3.6	< 20
10/19/2006	6.8	23	7.9	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

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

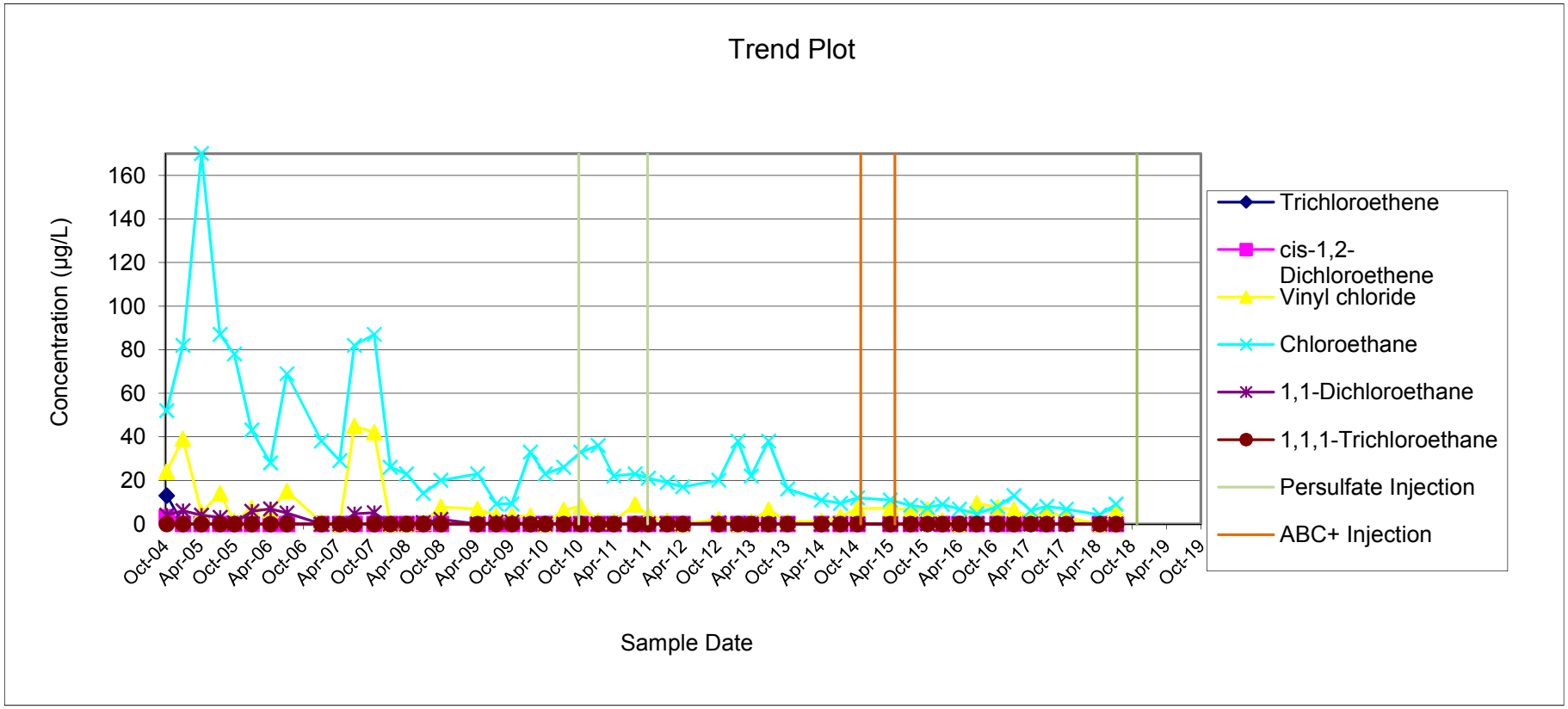
Note well was decommissioned following the July 2018 sampling event.

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

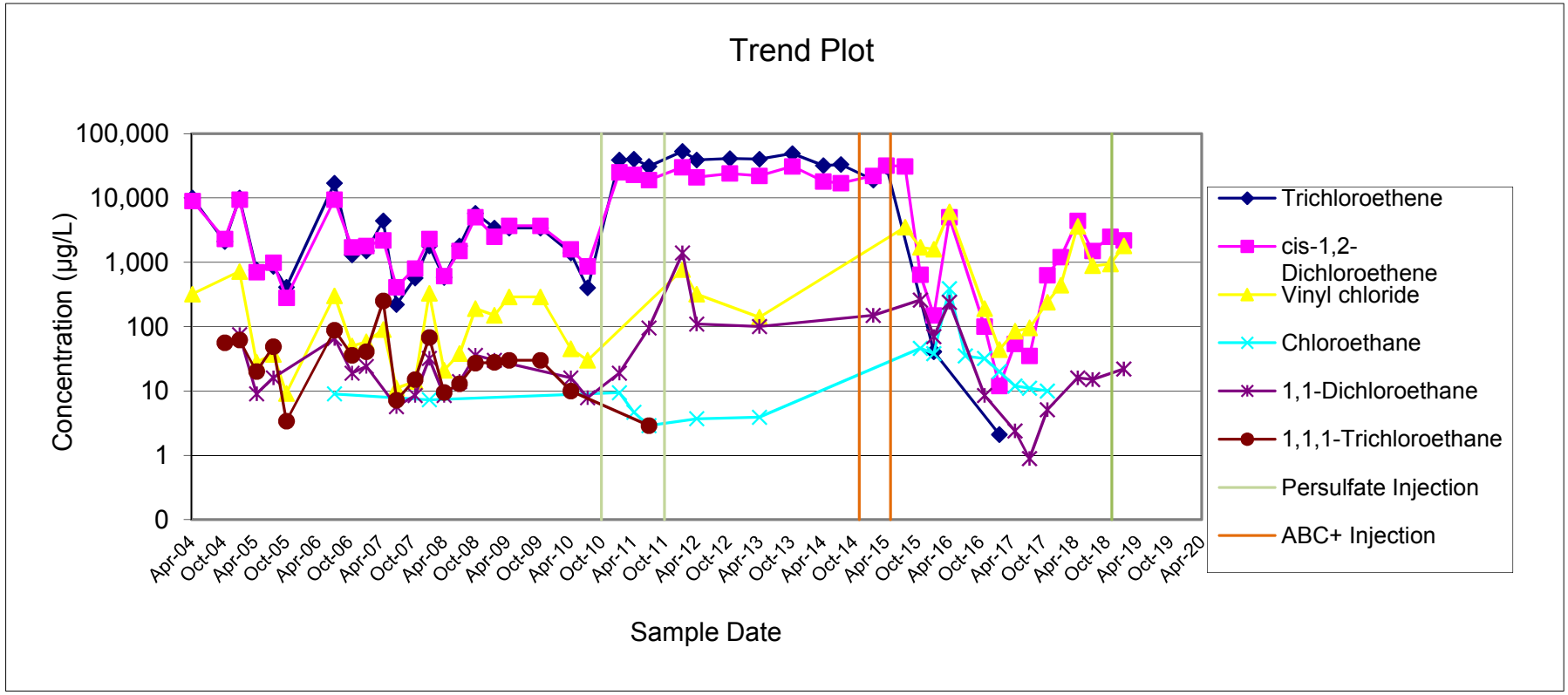
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	< 50	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

MONITORING WELL MW-13S

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

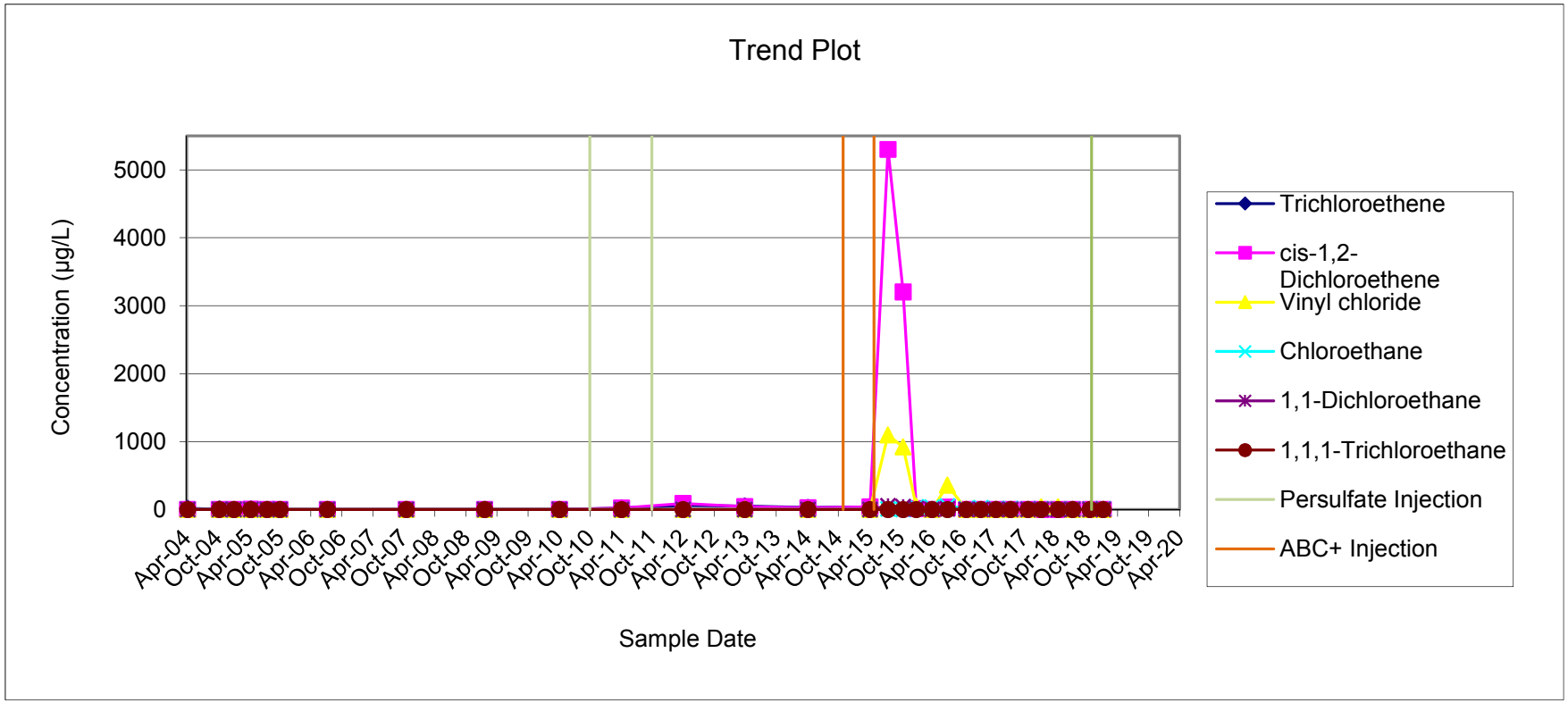
Lancaster, New York



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

	Analytical Results (µg/L)					
Sample Date	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

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

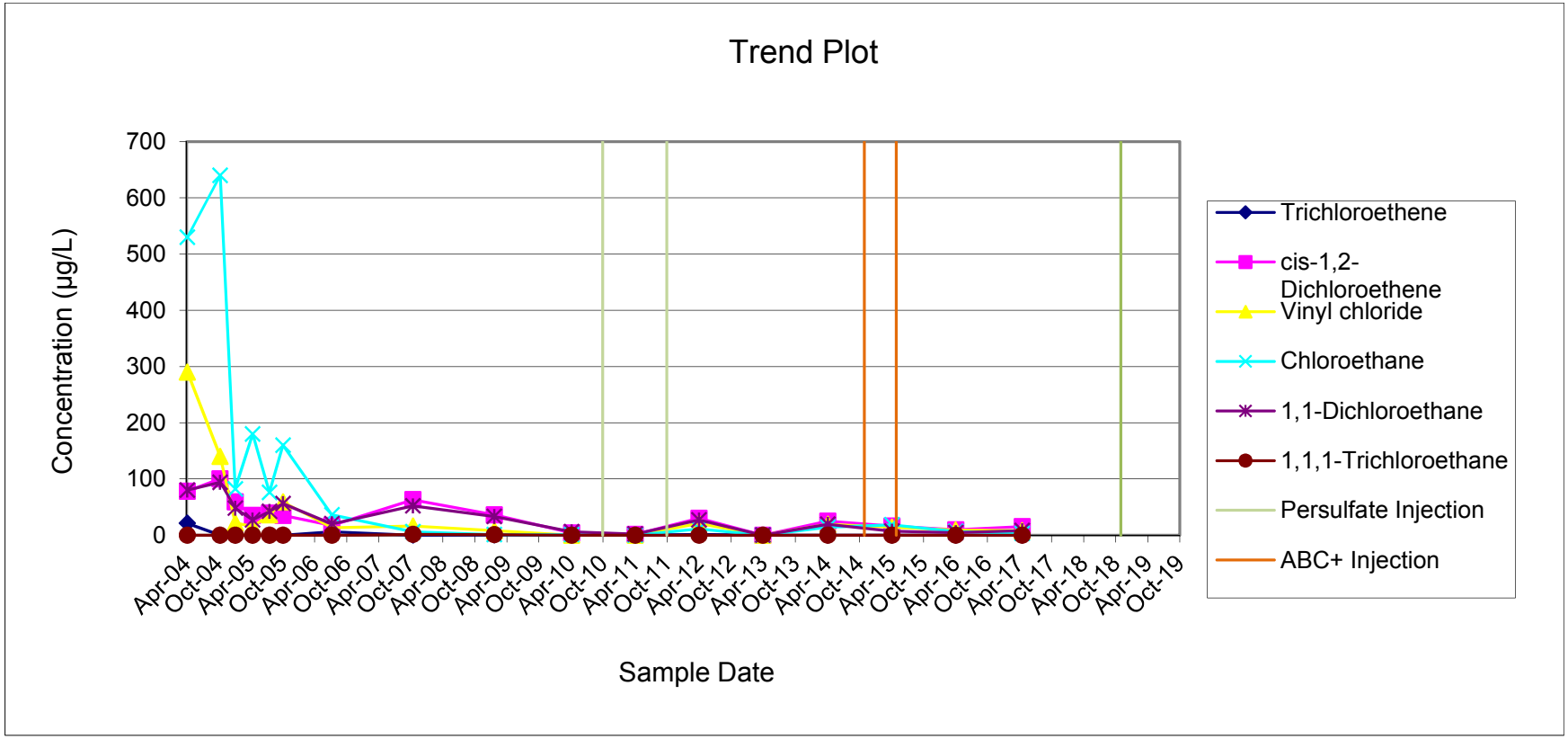


PIEZOMETER MW-14S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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	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

Well was flooded and not sampled in April 2018.

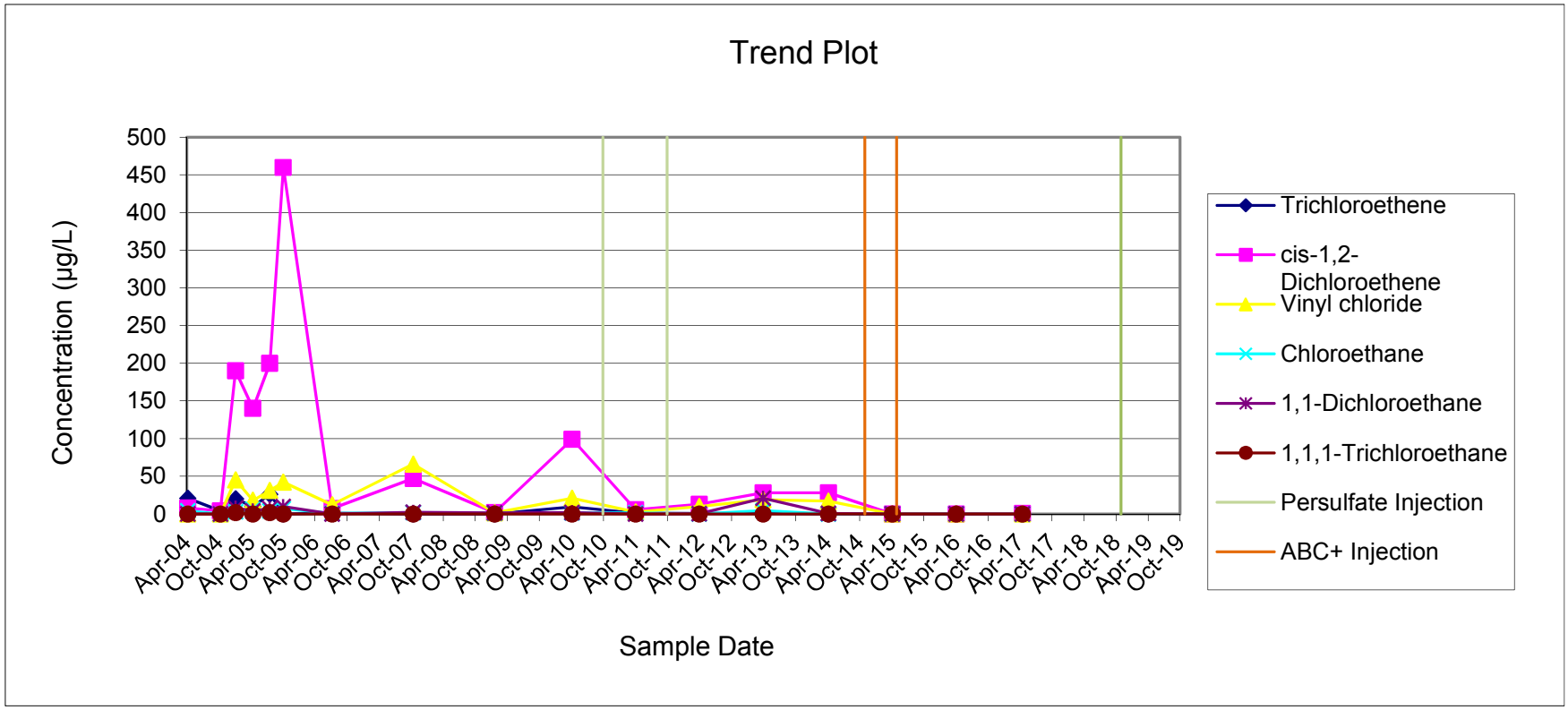
PIEZOMETER MW-14S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

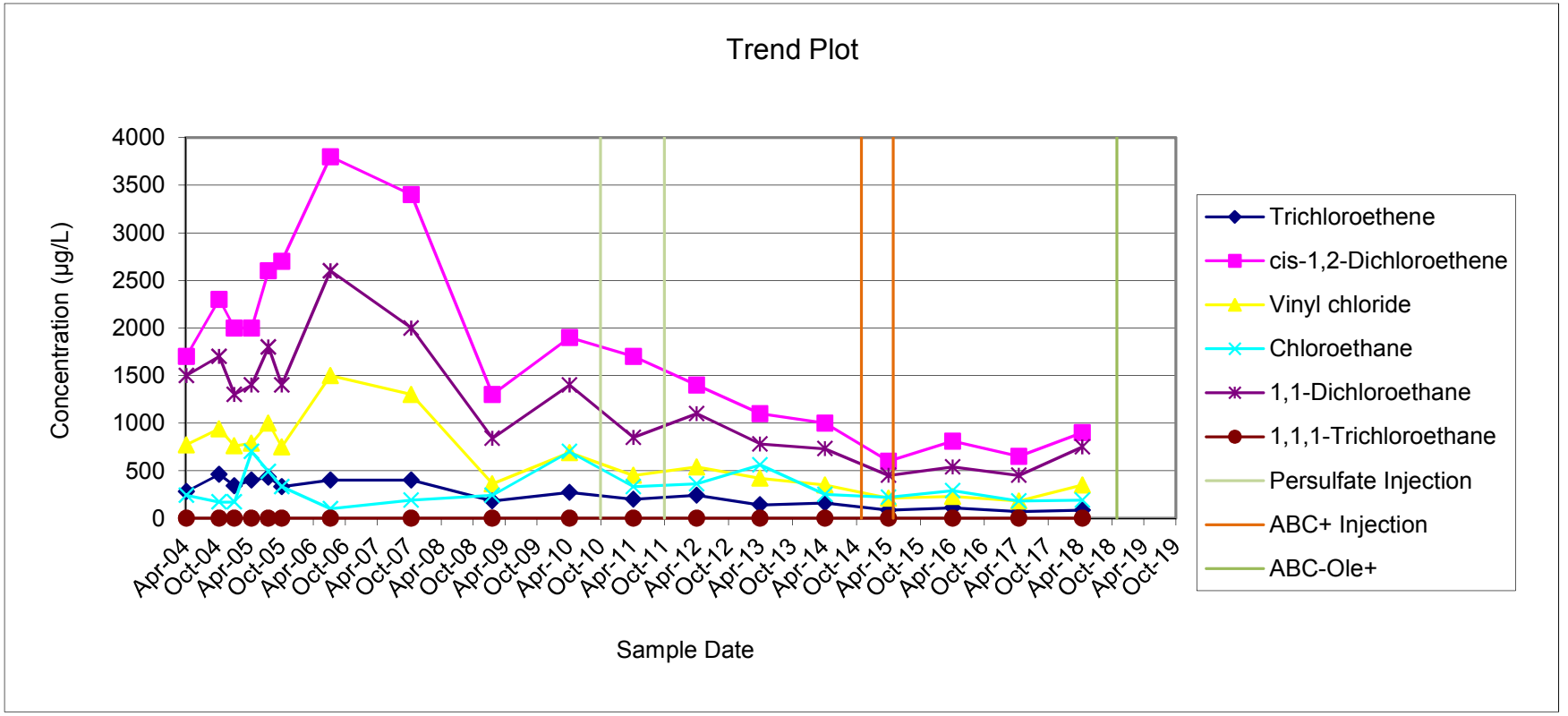
PIEZOMETER MW-14D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

	Analytical Results (µg/L)					
Sample Date	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

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

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	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

PIEZOMETER MW-15D
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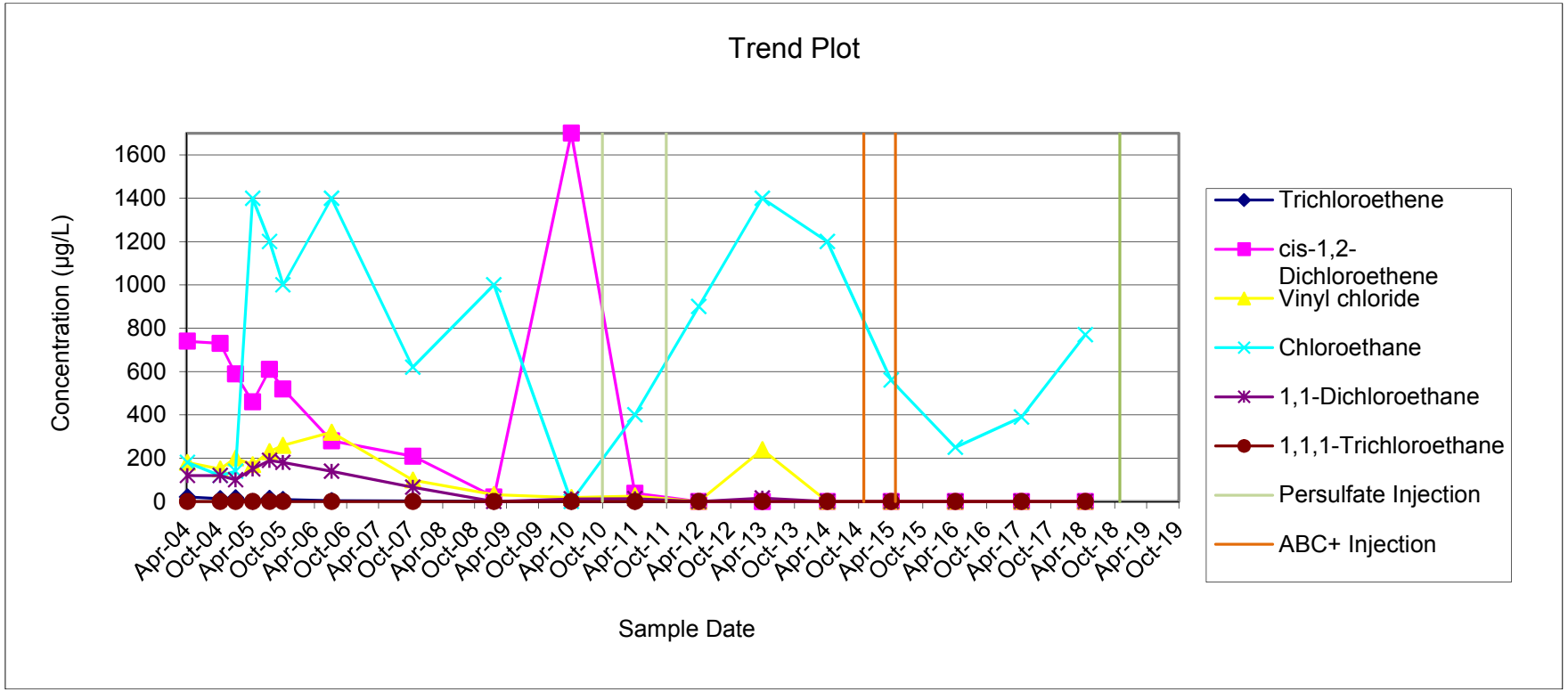
Former Scott Aviation Site
Lancaster, New York



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

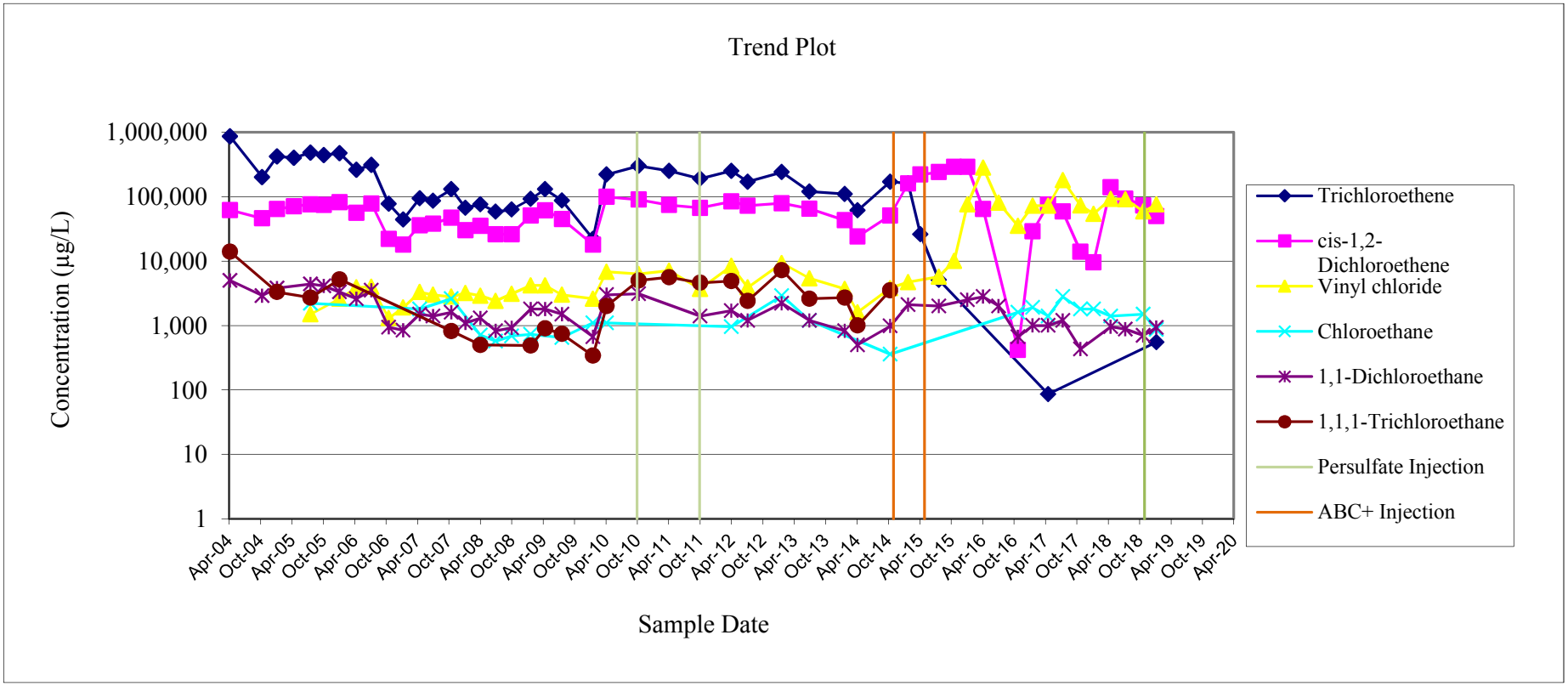
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	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	550.00	50,000	76,000	870	930	<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

PIEZOMETER MW-16D
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