

February 15, 2023

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

**Subject: Fiscal First Quarter 2023 Groundwater Monitoring Report (10/07/22-01/19/23)
January 2023 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 2023 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), NYSDC Site Code No. 9-15-149. This report has been developed in accordance with the NYSDC 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 monitoring schedule was implemented based on Table 16 presented in the Periodic Review Report (PRR) (April 9, 2021, through April 8, 2022), dated June 3, 2022, and the analyses performed on the groundwater sampled during this monitoring event were included in Table 15 of the June 3, 2022 PRR. Additionally, vapor samples were collected from the air stripper and dual phase extraction (DPE) liquid ring vacuum pump sampling discharge ports as part of the January 2023 sampling event, to ensure that the vapor effluent was in compliance with NYSDC 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 combined groundwater DPE remediation system, and a summary of groundwater quality and vapor effluent results.

Project Background

Scott Aviation, Inc. was sold to Zodiac Acquisition Corporation in 2004, and the facility is now occupied by AVOX Systems Inc (AVOX). Per the purchase and sale agreement, the responsibility for the DPE groundwater remediation system located at 25A Walter Winter Drive, west of AVOX Plant 2, was retained for a designated period of years by Scott Technologies, Inc., the former parent company of Scott Aviation, Inc. Due to an organizational change, Scott Figgie LLC has replaced Scott Technologies, Inc. as the entity responsible under that agreement for the remediation of the subject site until the designated period ends. Scott Figgie has retained the services of AECOM for the ongoing O&M of the combined 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 NYSDC on June 30, 2003; the report was approved by NYSDC in August 2003. At the request of NYSDC, 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, GWCT, and treatment building. **Figure 3** provides the process and instrumentation diagram for the combined DPE remediation system.

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

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

Per a letter from NYSDEC dated August 16, 2010, an Institutional Controls/Engineering Controls (IC/EC) certification has been, as of that correspondence, required for the site each calendar year, and is to include four quarters of groundwater sampling based on the current **Table 1**. **Table 1** is updated quarterly; the attached **Table 1** presents the groundwater monitoring schedule for the site from April 2023 through January 2024. The August 2010 NYSDEC letter also stated that, as of that correspondence, the RAER should be revised into a Periodic Review Report (PRR). Therefore, the sixth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 8, 2010, through April 7, 2011) and submitted to NYSDEC in June 2011. The seventh year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2011, through April 3, 2012) and submitted to NYSDEC in May 2012. The eighth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 3, 2012, through April 3, 2013) and submitted to NYSDEC in July 2013. The ninth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 3, 2013, through April 7, 2014) and submitted to NYSDEC in July 2014. The tenth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2014, through April 7, 2015) and submitted to NYSDEC in July 2015. The eleventh year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2015, through April 7, 2016) and submitted to NYSDEC in November 2016. The twelfth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2016, through April 20, 2017) and submitted to NYSDEC on May 30, 2017. The thirteenth year of combined DPE groundwater remediation system

operation was summarized in a PRR (April 20, 2017, through April 18, 2018) and submitted to NYSDEC on May 31, 2018. The fourteenth PRR (April 18, 2018, through April 8, 2019) was completed and submitted to NYSDEC on June 15, 2019; per NYSDEC comment letter dated August 2, 2019, the fourteenth PRR was revised and resubmitted on August 8, 2019. The fourteenth PRR was approved via email by NYSDEC on December 31, 2019. On June 25, 2020, AECOM submitted the fifteenth PRR to NYSDEC, which summarized the combined DPE groundwater remediation system operation between April 8, 2019, through April 10, 2020. On June 29, 2021, AECOM submitted the sixteenth PRR to NYSDEC, summarizing the combined DPE groundwater remediation system operation from April 10, 2020, through April 9, 2021. The most recent PRR (#17) was submitted on June 3, 2022 and summarized the combined DPE groundwater remediation system operation between April 9, 2021 through April 8, 2022. An IC/EC certification was included with each PRR except #15 through #17; NYSDEC informed AECOM via email that an IC/EC certification form was not auto-generated by the NYSDEC during those years; therefore, AECOM was asked to submit those PRRs using an edited version of the IC/EC certification issued for the period between April 8, 2019, through April 10, 2020.

Quarterly Groundwater Monitoring Activities – January 2023

AECOM personnel collected quarterly groundwater samples on January 17, 18, and 19, 2023 (the vapor samples were collected on January 17, 2023), in accordance with the procedures outlined in the NYSDEC-approved November 2003 RDWP and the NYSDEC August 2010 letter. January 2023 groundwater samples were collected from nine monitoring wells and piezometers (MW-2, MW-3, MW-4, MW-8R, MW-11, MW-13S, MW-13D, MW-16S, MW-16D), the GWCT, and the eight DPE wells (DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, and DPE-8) (**Figure 2**). In addition, quality assurance/quality control samples were collected for VOC analysis including a duplicate sample (collected at MW-11), trip blank, and equipment blank. Field forms generated during this sampling event are provided in **Appendix A**. Groundwater samples were analyzed for VOCs and total organic carbon (TOC) by Eurofins Environment Testing Northeast, LLC (EETNE) in Amherst, New York using United States Environmental Protection Agency (EPA) SW-846 Method 8260C and SW-846 Method 9060A, respectively.

Prior to the collection of groundwater samples, a complete round of groundwater levels was measured in all site monitoring wells and piezometers. **Table 2** provides a summary of groundwater elevations measured on January 17, 2023. A summary of current and historical groundwater levels and corresponding elevations and hydrographs for each active monitoring well and nested piezometer pair is provided in **Appendix B**. Monitoring well MW-2 is screened across the shallow overburden groundwater zone while MW-3, MW-4, MW-8R, MW-9, and MW-11 are screened across both the shallow and deep overburden groundwater zones. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened with one piezometer screened in the shallow overburden groundwater zone ('S' designation) and one piezometer screened in the deep overburden groundwater zone ('D' designation). DPE wells DPE-1, DPE-3, DPE-5, DPE-6, and DPE-8 are screened in the shallow water-bearing unit, while DPE-2, DPE-4, and DPE-7 are screened in the deep water-bearing unit. The GWCT is installed in the deep overburden water-bearing unit.

Two groundwater surface contour figures for the January 2023 monitoring event are provided. The average water levels calculated for the nested piezometer pairs and monitoring wells, in conjunction with GWCT water level data, were used to generate the groundwater surface contours presented in **Figure 4**. **Figure 5** illustrates the groundwater surface contours using only monitoring well and deep piezometer and GWCT water level data.

Groundwater elevations measured from monitoring wells and piezometers on January 17, 2023, ranged from 687.87 feet above mean sea level (AMSL) at MW-15S to 676.08 feet AMSL at MW-14D. The average groundwater surface elevation across the site was 1.11 feet higher in January 2023 when compared to the prior round of groundwater elevation measurements collected in October 2022. The increase in groundwater elevations may be attributable to seasonal variations. Based on the January 2023 groundwater level measurements, the groundwater surface beneath the Site continues to exhibit inward flow towards the GWCT. As **Figures 4** and **5** illustrate, the GWCT induces groundwater flow reversal along the western AVOX Plant 2 property boundary. This reversal in groundwater flow provides hydraulic capture of VOCs present in the shallow and deep overburden groundwater that might otherwise migrate off site.

Groundwater Quality Results – January 2023

Tables 3, 4 and 5 summarize VOC data for groundwater samples collected in January 2023 from the monitoring wells and piezometers, DPE wells, and GWCT, respectively. Note the duplicate sample was collected from MW-11, and both the trip blanks and the rinse blank were non-detect for VOCs. 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 Site-specific groundwater Remedial Action Objectives (RAO) or groundwater criteria presented in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC, June 1998, January 1999 errata sheet, April 2000 addendum, June 2004 addendum) protection for source of drinking water (groundwater) standards (i.e., water class GA); herein referred to as TOGS 1.1.1 groundwater standards. Note that in some cases the detection limits for certain VOCs were set above their respective RAO due to dilution factors (high concentration of target analyte[s]). Consistent with previous quarterly reports, the table below summarizes only monitoring wells and piezometers (DPE well and GWCT results are not included).

Groundwater Quality Results January 2023

VOCs Detected in Groundwater	Concentration Range (micrograms per liter)	Number of Detections	RAO/TOGS 1.1.1 Exceedances
Vinyl Chloride	1.0 – 82,000	8	4
cis-1,2-Dichloroethene	0.82 – 57,000	6	2
Chloroethane	2.0 – 81	5	3
1,1-Dichloroethane	0.46 – 45	5	2
Toluene	4.7 - 95	2	1
1,1-Dichloroethene	45	1	1
Acetone	17	1	0

Seven VOCs were detected in groundwater from monitoring wells and piezometers sampled above their associated detection limits during the monitoring period. Six of the seven VOCs detected exceeded either the Site-specific RAOs or the TOGS 1.1.1 criteria for groundwater. Note that acetone, a laboratory cleaning compound, was detected in one of the eight monitoring wells and piezometers sampled. The occurrences of constituents of potential concern were detected primarily in the vicinity of the former on-site source area. VOC concentrations decrease significantly in the vicinity of the perimeter monitoring wells.

An electronic copy of the analytical laboratory data package for the January 2023 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-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC), and of 1,1,1-trichloroethane (1,1,1-TCA) degradation products 1,1-dichloroethane (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+®, the injection treatment in November 2018 using ABC-Ole+® (ABC-Ole+® is a mixture of Anaerobic BioChem, zero valent iron, and emulsified fatty acids), and the September 2021 bioaugmentation injection event using KB-1® Plus. For details of the various injection programs, refer to the NYSDEC-approved 2014 Injection Pilot Test Work Plan dated November 6, 2014, the NYSDEC-approved 2015 addendum to the 2014 Injection Pilot Test Work Plan dated April 28, 2015, and the NYSDEC-approved 2018 Injection Pilot Test Work Plan dated October 31, 2018. A summary of the November 2018 injection program was included in the 2019 PRR (August 8, 2019). A Work Plan for the September 2021 bioaugmentation injection event was submitted

to the NYSDEC on September 1, 2021, and a summary of that event was submitted to the NYSDEC on December 28, 2021.

Historical trend plots for the wells sampled during this quarter for concentrations of TCE, cis-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, and chloroethane are provided in **Appendix D**. As stated above, the VOC concentrations in groundwater continue to show a degradation trend both as a result of naturally occurring reductive dechlorination processes, and as a result of the injection programs. Additionally, historical concentrations of VOCs in soil vapor and groundwater are also decreasing as a result of extraction and treatment through the combined DPE remediation system. Because TCE has been considered the primary source of groundwater contamination at the site, a summary of historical and current TCE concentrations in groundwater for six of the nine monitoring wells and piezometers sampled in January 2023 is included in **Table 6** (TCE has never been reported in MW-2, MW-3, or MW-11.) 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. Most recently, a bioaugmentation injection was performed in September 2021.

Table 6 shows a summary of historical and current TCE concentrations. Based on the January 2023 groundwater data, there were no detections of TCE at the eight monitoring wells and piezometers sampled. Note: there were detections of TCE in two of the eight DPE wells of 5.1 µg/L and 78 µg/L at DPE-1 and DPE-3, respectively; refer to **Table 4** for a summary of the DPE groundwater analytical data. 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 treatment area which also included MW-13S/D and MW-16S/D. The September 2021 bioaugmentation injections were centered on monitoring wells MW-8R and MW-16S/D, and DPE wells DPE-3, DPE-4, DPE-7, and DPE-8. Overall, decreases in TCE concentrations observed since the combined DPE groundwater remediation system was installed in May 2004, and the subsequent injections, indicate that the system continues to reduce VOC concentrations in overburden groundwater and soil at the site. Based on the decreases in concentration of TCE at these locations, as well as other locations with historical detections of TCE, the previous injections appear to be contributing to the ongoing degradation of TCE. This is most clearly demonstrated on the TCE trend plots in **Figures 6 through 9** for monitoring wells MW-4, MW-8R, MW-13S, and MW-16S, respectively.

Total Organic Carbon

Samples were collected for total organic carbon (TOC) analysis to monitor the concentration of organic carbon sources available for optimum microbial growth. Although TOC concentrations continue to decrease over time in the areas targeted during previous injections, the location with the highest historical concentrations of contaminants of concern (MW-16S) still has a TOC concentration (211 milligrams per liter [mg/L]), which is above the minimum TOC concentration of 20 mg/L that is generally required to maintain effective ERD. MW-8R has a TOC concentration of 40.1 mg/L. Refer to **Table 3** for TOC concentrations detected in January 2023.

Quarterly Combined DPE Remediation System Vapor Effluent Monitoring Activities – January 2023

AECOM personnel collected vapor effluent samples from the combined groundwater remediation system vapor discharge stacks on January 17, 2023. Summa canisters were used to collect the vapor samples from the permanent sample port located on the air stripper discharge stack and from the DPE liquid ring vacuum pump discharge stack. **Figure 3** shows the location of the vapor sample ports. The vapor samples were analyzed for VOCs using EPA Method TO-15 by EETNE in Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – January 2023

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**. Twelve VOCs were detected in the DPE liquid ring pump vacuum effluent, and six VOCs were detected in the AS unit effluent. The total VOCs discharged during the sampling event were approximately 687.7 micrograms per cubic meter in the combined DPE liquid ring vacuum pump and AS

unit effluents. The calculated VOC discharge-loading rate for the combined DPE remediation system was approximately 0.0001 pounds per hour (lb/hr), which is well below the NYSDEC discharge guidance value of 0.5 lb/hr.

Combined DPE Remediation System Operation and Maintenance

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

- On November 28, 2022, AECOM and subcontractor Matrix Environmental Technologies, Inc. (Matrix) installed a new Newterra-brand carbon steel knockout tank in the DPE remedial system.
- During the week of December 19, 2022, AECOM and subcontractor Matrix began the installation of the new QED Model EZ-2.4P HDPE four tray air stripper unit; the GWCT, sump pump, and air stripper are currently on-line.
- During the week of December 19, 2022, AECOM and subcontractor Matrix began the annual O&M of the remedial systems (i.e., cleaned totalizers, and removed sediment from the knockout tank, hold tank, and air stripper).
- During the week of January 9, 2023, AECOM and subcontractor Matrix completed the installation of the new QED Model EZ-2.4P HDPE four tray air stripper unit and associated programming of the air stripper unit to the DPE system.
- During the week of January 9, 2023, AECOM and subcontractor Matrix completed the annual O&M of the remedial systems (i.e., liquid ring pump oil and filter change).

Based on a system operational period from October 7, 2022 (Fourth Quarter 2022 Buffalo Sewer Authority [BSA] compliance sampling event) to January 17, 2023 (First Quarter 2023 BSA compliance sampling event), the estimated total volume of groundwater (including potential water collected in the remediation building sump) treated and discharged by the AS unit to the local sanitary sewer was 253,610 gallons, at an average flow rate of 1.66 gallons per minute.

Summary

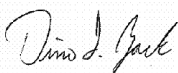
The GWCT and the DPE remediation system were on-line during the First Quarter 2023 sampling event. TCE was not detected in site perimeter monitoring wells MW-2, MW-3, and MW-11. Following the November 2014, April/May 2015 and November 2018 injection treatments, and the September 2021 bioaugmentation injection event, 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 2023 sampling event, the combined DPE remediation 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 2023 sampling event were well below the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event, the Annual 2023 sampling event, is planned for April 2023; a list of the proposed 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,



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\Enclosures

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Project File 60676130

Tables

Table 1

Proposed Groundwater Monitoring Schedule - April 2023 through January 2024
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Locations Scheduled for Sampling	Locations Scheduled for Sampling			
Comprehensive Annual Groundwater Monitoring					
April 2023	23	MW-2	MW-3	MW-4*	MW-8R**^
		MW-9	MW-11*	MW-13S*	MW-13D
		MW-14S	MW-14D	MW-15S	MW-15D
		MW-16S**^+	MW-16D	DPE-1	DPE-2
		DPE-3	DPE-4	DPE-5	DPE-6
		DPE-7	DPE-8	GWCT	
Quarterly Groundwater Monitoring					
July 2023	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 2023	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		
Janaury 2024	18	MW-2	MW-3	MW-4	MW-8R
		MW-11	MW-13S	MW-13D	MW-16S
		MW-16D	DPE-1	DPE-2	DPE-3
		DPE-4	DPE-5	DPE-6	DPE-7
		DPE-8	GWCT		

Notes:

MW-## - Monitoring Well

MW-##S - Shallow Piezometer

MW-##D - Deep Piezometer

DPE-## - Dual Phase Extraction Well

GWCT - Groundwater Collection Trench

* - Locations to be included for Monitored Natural Attenuation sampling

[^] - Locations to be included for Volatile Fatty Acids sampling

+ - Location to be included for Gene-Trac (DHC, FGA, DHB) sampling

Table 2

**Groundwater Monitoring Water Level Data - January 17, 2023
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)	Groundwater Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	5.52	681.58
MW-3	687.05	8.56	678.49
MW-4	686.50	8.70	677.80
MW-8R	686.29	7.90	678.39
MW-9	689.57	12.38	677.19
MW-11	688.61	7.98	680.63
Nested Piezometers			
MW-13S	686.65	3.20	683.45
MW-13D	686.78	7.72	679.06
MW-14S	685.74	4.60	681.14
MW-14D	685.88	9.80	676.08
MW-15S	687.87	0.00	687.87
MW-15D	687.87	11.72	676.15
MW-16S	688.15	5.55	682.60
MW-16D	688.16	11.00	677.16
Remedial System			
GWCT Manhole (rim)	687.22	21.10	666.12

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 manhole

Locations re-surveyed on February 23, 2016

Table 3

Summary of Monitoring Well Analytical Data - January 2023
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	Duplicate^
Date Collected	RAO/TOGS 1.1.1	01/18/23	01/18/23	01/18/23	01/18/23	01/18/23	01/18/23
Lab Sample ID	Objective	480-205569-1	480-205569-4	480-205569-2	480-205569-3	480-205569-5	480-205569-15
Volatile Organic Compounds by Method 8260C (µg/L)							
1,1-Dichloroethane	5*	< 2.0 U	17	< 4.0 U	45	0.46 J	0.47 J
1,1-Dichloroethene	5	< 2.0 U	< 1.0 U	< 4.0 U	45	< 1.0 U	< 1.0 U
Acetone	50	< 20 U	< 10 U	< 40 U	< 400 U	< 10 U	< 10 U
Chloroethane	5*	< 2.0 U	< 1.0 U	54	76	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	5*	< 2.0 U	0.82 J	< 4.0 U	6,900	1.1	1.1
Toluene	5*	< 2.0 U	< 1.0 U	4.7 J	95	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 2.0 U	1.6	5.1	15,000	1.4	1.4
Total Volatile Organic Compounds	NL	3.4	19	63	22,161	3.0	3.0
Total Organic Carbon (mg/L)	NL	15.0	4.8	14.9	40.1	4.5	5.0

Table 3

Summary of Monitoring Well Analytical Data - January 2023
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	MW-13S	MW-13D	MW-16S	MW-16D
Date Collected	RAO/TOGS 1.1.1	01/19/23	01/19/23	01/19/23	01/18/23
Lab Sample ID	Objective	480-205612-2	480-205612-3	480-205612-1	480-205569-6
Volatile Organic Compounds by Method 8260C (µg/L)					
1,1-Dichloroethane	5*	< 2.0 U	< 1.0 U	< 2,000 U	0.91 J
1,1-Dichloroethene	5	< 2.0 U	< 1.0 U	< 2,000 U	< 1.0 U
Acetone	50	< 20 U	17	< 20,000 U	< 10 U
Chloroethane	5*	2.0	4.7	< 2,000 U	81
cis-1,2-Dichloroethene	5*	< 2.0 U	< 1.0 U	57,000	1.4
Toluene	5*	< 2.0 U	< 1.0 U	< 2,000 U	< 1.0 U
Vinyl chloride	5*	9.4	< 1.0 U	82,000	1.0
Total Volatile Organic Compounds	NL	11.4	21.7	139,000	84
Total Organic Carbon (mg/L)	NL	6.7	4.4	211	4.9

Notes:

Bold font indicates the analyte was detected.

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

^ - Duplicate collected at MW-11.

* Site-specific RAO per ROD (November 1994).

Site-specific RAO's 1,1,1-Trichloroethane, Ethylbenzene, Trichloroethene, and Xylene were not detected above the reporting limit.

Total Organic Carbon by Method 9060A.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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-2	DPE-3	DPE-4	DPE-5	DPE-7	DPE-8
Date Collected	RAO/TOGS 1.1.1	01/18/23	01/18/23	01/18/23	01/18/23	01/18/23	10/04/22	01/18/23
Lab Sample ID	Objective	480-205569-7	480-205569-8	480-205569-9	480-205569-10	480-205569-11	480-205569-12	480-205569-13
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane	5*	43	1.0 U	40 U	8.0 U	4.9	2.0 U	79
2-Butanone (MEK)	50	130	10 U	400 U	80 U	40 U	20 U	400 U
Acetone	50	490	10 U	400 U	80 U	13 J	20 U	400 U
Chloroethane	5*	7.3	0.96 J	20 U	8.0 U	52	15	40 U
cis-1,2-Dichloroethene	5*	58	1.0 U	340	580	27	2.0 U	1,700
Toluene	5*	6.8	1.0 U	40 U	8.0 U	2.0 J	2.0 U	40 U
Trichloroethene	5*	5.1	1.0 U	78	8.0 U	4.0 U	2.0 U	40 U
Vinyl chloride	5*	12	1.0 U	100	330	230	2.0 U	2,000
Total Volatile Organic Compounds	NL	752	0.96	518	910	324	15	3,779
Total Organic Carbon (mg/L)	NL	179	4.6	15.5	9.5	62.2	7.2	14.1

Notes:

DPE-6 vault was flooded and a sample was not collected.

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).

Total Organic Carbon by Method 9060A.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

U - Not detected at or above reporting limit.

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	GWCT Manhole	GWCT Manhole
Date Collected	RAO/TOGS 1.1.1	07/24/15	10/19/15	01/05/16	04/04/16	07/05/16	10/27/16	01/16/17	04/20/17	07/11/17	10/23/17
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	480-116720-15	480-121042-15	480-126420-1
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	0.74 J	< 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	< 10 U	< 10 U	< 10 U
Acetone	50	7.0 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 10 U	< 10 U
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	< 1.0 U	< 1.0 U	62	44	70	34	45	26	65	45
Chloromethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
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	0.74 J	< 1.0 U	< 1.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.19 J
Toluene	5*	< 1.0 U	< 1.0 U	0.99 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.25 J
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	< 1.0 U	< 1.0 U	0.34 J
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 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	< 2.0 U	< 2.0 U	0.67 J
Total Volatile Organic Compounds	NA	12.8	0.7	63	44	70	34	45	27	65	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	GWCT Manhole	GWCT Manhole
Date Collected	RAO/TOGS 1.1.1	01/08/18	04/13/18	07/12/18	10/24/18	01/09/19	04/08/19	07/23/19	10/14/19	01/06/20	04/06/20
Lab Sample ID	Objective	480-129995-13	480-134234-8	480-138781-4	480-144170-15	480-147748-15	480-151586-12	480-156622-7	480-160839-7	480-165026-18	480-168383-16
Volatile Organic Compounds by Method 8260 (µg/L)											
1,1-Dichloroethane	5*	< 1.0 U	0.52 J	< 1.0 U	< 1.0 U	0.38 J	0.48 J	< 1.0 U	< 1.0 U	0.45 J	< 1.0 U
2-Butanone (MEK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Acetone	50	< 10 U	10 J	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.20 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	64	53	49	38	28	48	48	28	34	52
Chloromethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	5*	5.1	< 1.0 U	< 1.0 U	< 1.0 U	0.93 J	1.20	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.80 J	0.60 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	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.4	< 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	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	69	64	49	38	30	52	48	28	34	52

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	GWCT Manhole	GWCT Manhole
Date Collected	RAO/ TOGS 1.1.1	07/22/20	10/13/20	01/20/21	04/07/21	07/15/21	10/19/21	01/19/22	07/07/22	10/04/22	01/18/23
Lab Sample ID	Objective	480-172827-15	480-176470-13	480-180395-15	480-182978-13	480-187292-18	480-191095-10	480-194344-18	480-199608-7	480-202324-13	480-205569-14
Volatile Organic Compounds by Method 8260 (µg/L)											
1,1-Dichloroethane	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.44 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
2-Butanone (MEK)	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Acetone	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	37	34	24	29	37	32	28	29	22	16
Chloromethane	5	0.42 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-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	< 1.0 U	< 1.0 U	< 1.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 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	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	1.2 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	39	34	24	29	37	32	28	29	22	16

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 - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

U - Not detected at or above reporting limit.

NA - Not applicable

Table 6

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

Well ID	Jan 2015 ⁽¹⁾	Apr 2015	Jul 2015	Oct 2015	Jan 2016	Apr 2016	Jul 2016	Oct 2016	Jan 2017	Apr 2017	Jul 2017	Oct 2017	Jan 2018	Apr 2018	Jul 2018	Oct 2018	Jan 2019	April 2019
MW-2	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-4	18,000	110	<100	<100	<100	<100	<20	<20	<20	<5	<20	<20	<5	<20	<5	<20	5.2	2.1
MW-6 ⁽²⁾	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	NS	NS	NS	NS
MW-8R	2,100	<2,000	200	<25	<1,000	<1,000	24	<100	<100	14	<400	7.7	NS	13	<10	<10	9.9	<40
MW-10 ⁽²⁾	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	NS	NS
MW- 11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<4	<1	<1
MW-12 ⁽²⁾	NS	<1	<1	<1	<1	<5	<5	<1	<4	<1	<1	<1	<1	<4	<5	NS	NS	NS
MW-13S	19,000	31,000	<500	<10	41	<100	<4	<2	2.1	0.26	<2	<5	<40	<40	<40	<40	<40	0.7
MW-16S	160,000	26,000	5,100	<4,000	<4,000	<4,000	<2,000	<500	<500	86	<1,000	<500	<1,000	<1,000	<1,000	<1,000	550	<1,000

Well ID	July 2019	Oct 2019	Jan 2020	Apr 2020	July 2020	Oct 2020	Jan 2021	Apr 2021	July 2021	Oct 2021	Jan 2022	Apr 2022	July 2022	Oct 2022	Jan 2023	TCE Reduction - Previous Sampling	TCE Reduction - Baseline Sampling
MW-2	<2	<1	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<2	<2	<2	ND	ND
MW-3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-4	2.6	<4	<4	<4	<4	<4	1.0	<4	<4	<4	<4	<1	<4	<4	<4	ND	ND
MW-6 ⁽²⁾	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
MW-8R	<8	<10	<10	<2	<4	<2	1.4	<10	<8	<25	<25	<8	5.5	<40	<40	ND	ND
MW-10 ⁽²⁾	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
MW- 11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-12 ⁽²⁾	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
MW-13S	NS	NS	0.64	<1	<1	0.60	<1	0.77	<2	<2	<2	<2	2.2	<2	<2	ND	ND
MW-16S	<2,500	<1,000	<1,000	<1	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<2,000	<2,000	<2,000	<2,000	ND	ND

Notes:

(1) New baseline established following November 2014 injection pilot study.

(2) Well was decommissioned.

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

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

The bioaugmentation injection of KB-1[®] Plus and KB-1[®] Primer in September 2021.

ND - Not Detected

NA - Not Available

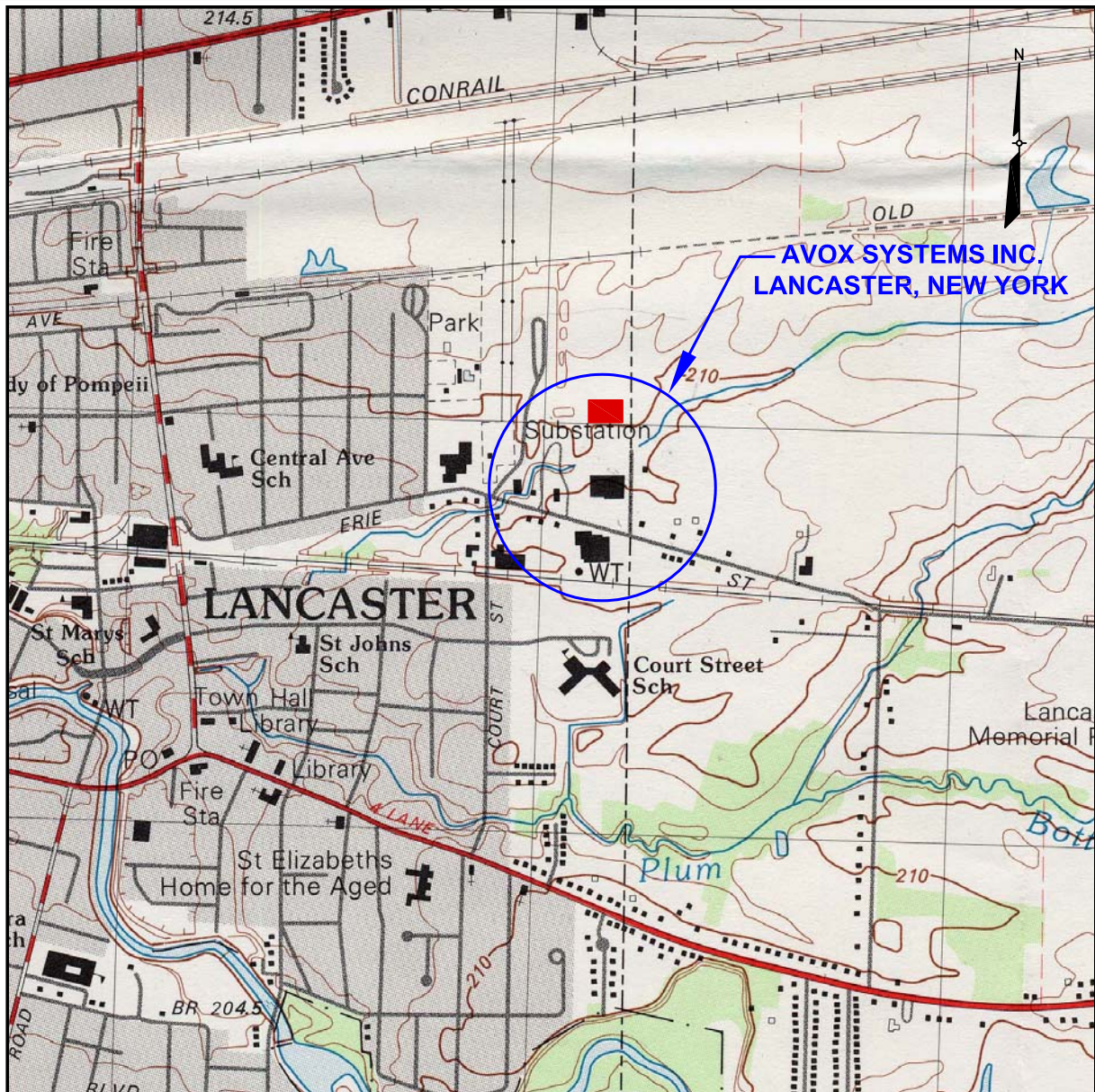
NS - Not Sampled

Table 7

Summary of Vapor Monitoring Results - January 2023
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	Sample ID: Sample Date:	LRP Effluent 1Q23 1/17/2023	AS Effluent 1Q23 1/17/2023
<u>VOCs by Method TO-15 (µg/m³)</u>			
1,1-Dichloroethane		3.6	U
1,1-Dichloroethene		1.5	U
1,2-Dichloroethene, Total		280	20
Acetone		12	U
Chloroethane		1.8	2.3
Chloromethane		1.4	1.3
Methyl Ethyl Ketone		5.4	1.5
n-Heptane		1.1	U
Toluene		7.2	1.2
Tetrachloroethene		3.3	U
Trichloroethene		12	U
Vinyl chloride		330	2.1
Total Detected VOCs (µg/m³)		659.3	28.4
Vacuum (inches Hg)		23.5	----
Air Flow Rate (acfm)		32.32	180.17
VOC discharge loading (lb/hr)		0.000080	0.000019
Total VOC discharge loading (lb/hr)		0.00010	
Notes:			
1. µg/m³ = micrograms per cubic meter			
2. acfm = actual cubic feet per minute			
3. Hg = Mercury			
4. lb/hr = pounds per hour			
5. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump.			
6. 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).			

Figures



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

LEGEND



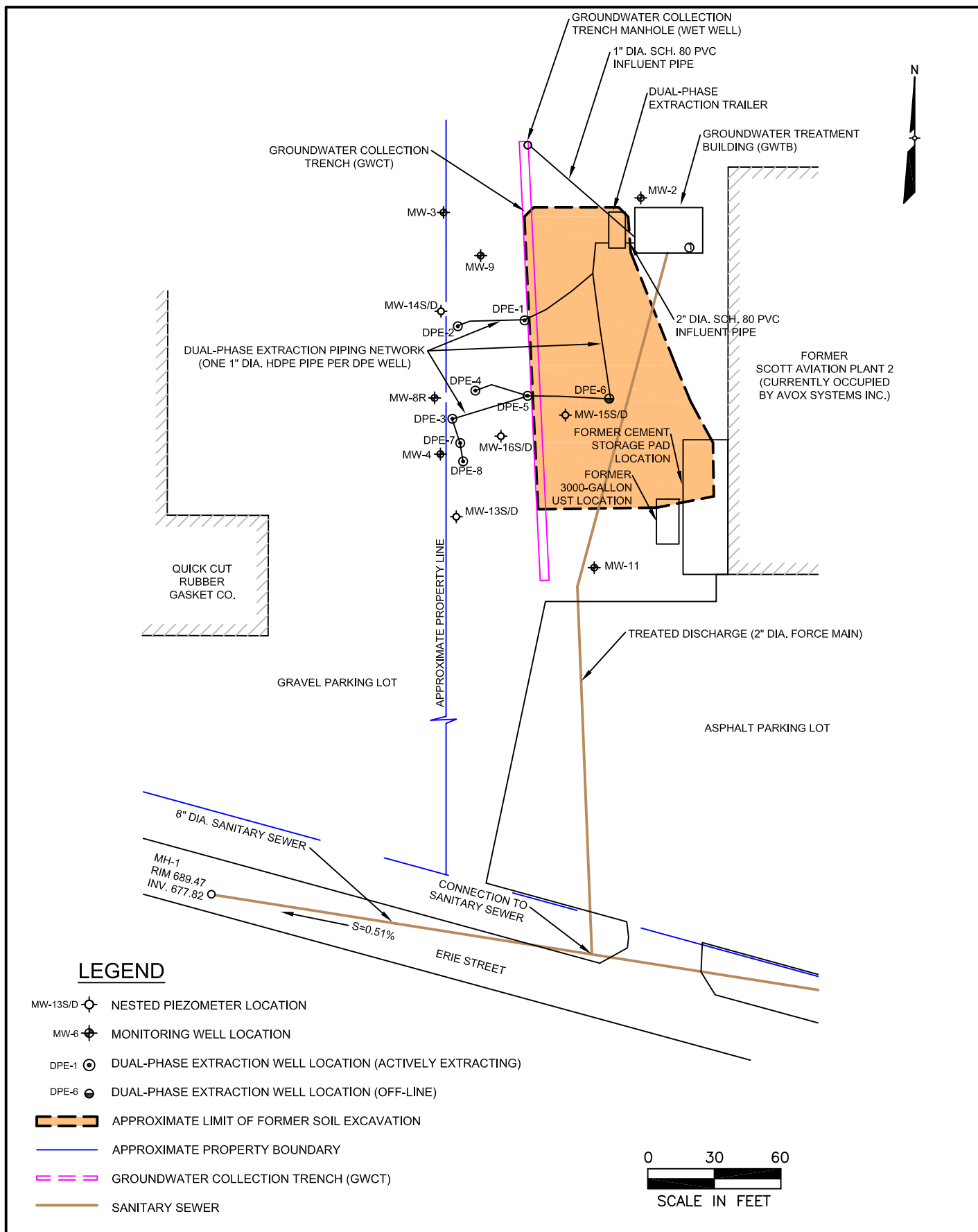
AVOX PLANT 3 ADDED AFTER PUBLICATION OF LANCASTER, NEW YORK
TOPOGRAPHIC QUADRANGLE.

0 1000 2000
SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

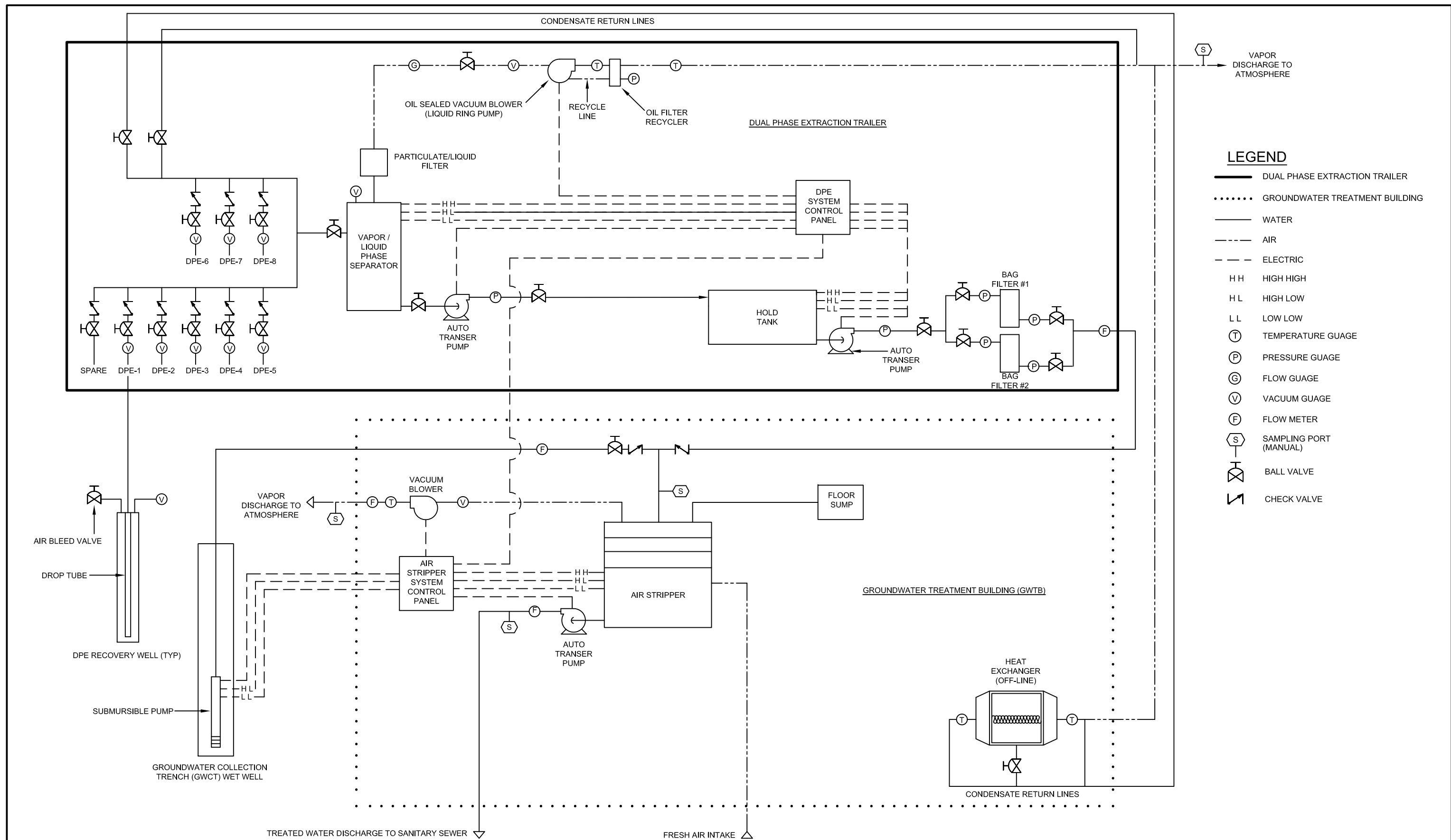
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



AECOM

FIGURE 2
WEST OF PLANT 2 SITE FEATURES MAP

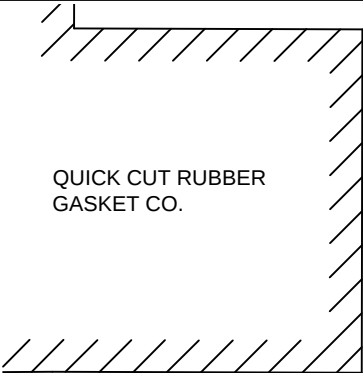
FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK



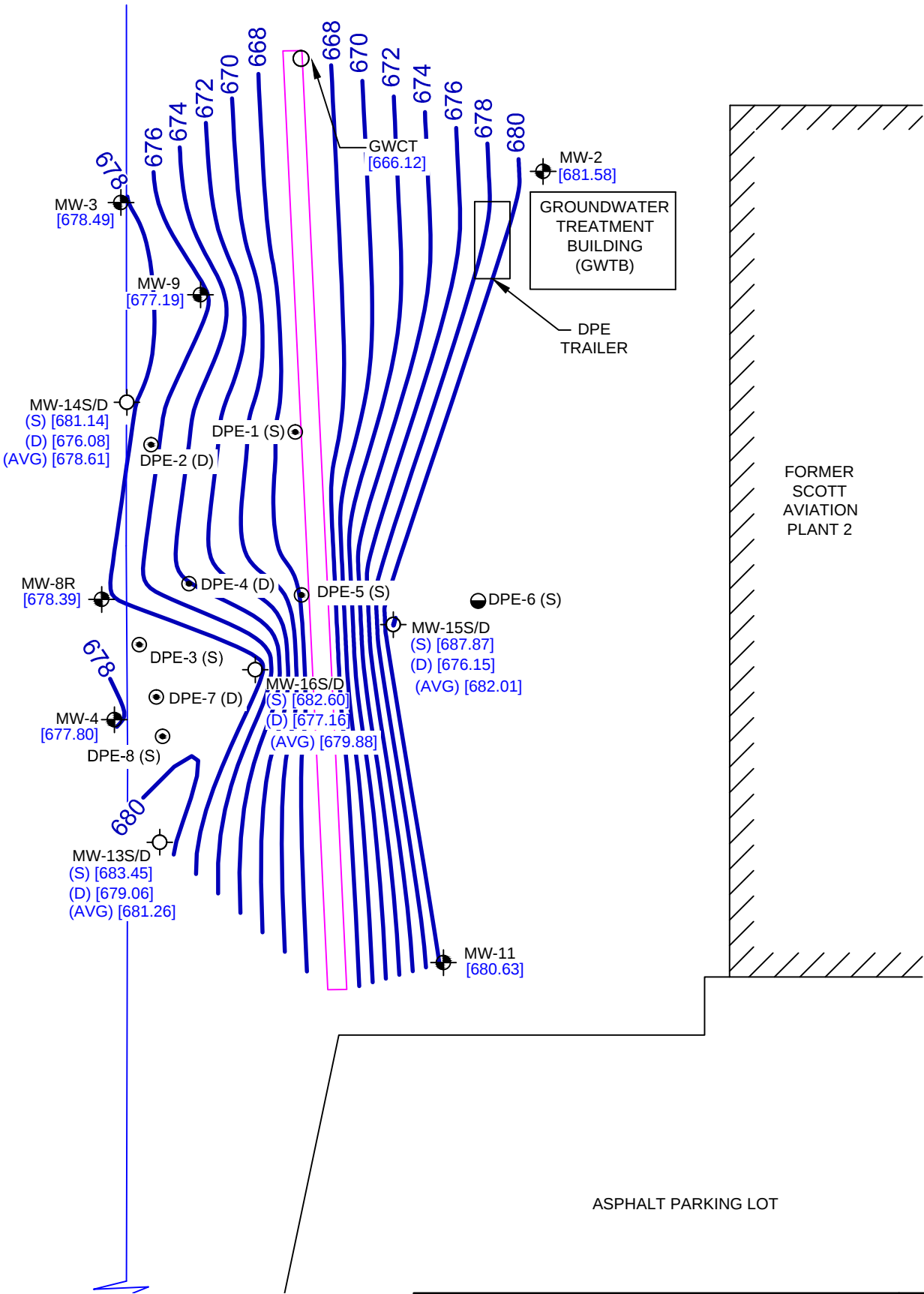
AECOM

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

Groundwater Monitoring Water Level Data - January 17, 2023			
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)	Groundwater Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	5.52	681.58
MW-3	687.05	8.56	678.49
MW-4	686.50	8.70	677.80
MW-8R	686.29	7.90	678.39
MW-9	689.57	12.38	677.19
MW-11	688.61	7.98	680.63
Nested Piezometers			
MW-13S	686.65	3.20	683.45
MW-13D	686.78	7.72	679.06
MW-14S	685.74	4.60	681.14
MW-14D	685.88	9.80	676.08
MW-15S	687.87	0.00	687.87
MW-15D	687.87	11.72	676.15
MW-16S	688.15	5.55	682.60
MW-16D	688.16	11.00	677.16
Remedial System			
GWCT Manhole (rim)	687.22	21.10	666.12
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 manhole Locations re-surveyed on February 23, 2016			



GRAVEL PARKING LOT



LEGEND

MW-13S/D

NESTED PIEZOMETER LOCATION

MW-9

MONITORING WELL LOCATION

DPE-1

DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)

DPE-6

DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)

[680.63]

GROUNDWATER SURFACE ELEVATION IN FEET AMSL

678

ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET AMSL

GROUNDWATER FLOW DIRECTION

(S)

SHALLOW PIEZOMETER/DPE

(D)

DEEP PIEZOMETER/DPE

GROUNDWATER COLLECTION TRENCH (GWCT)

APPROXIMATE PROPERTY BOUNDARY

- NOTES
1. GROUNDWATER ELEVATIONS WERE AVERAGED AT SHALLOW AND DEEP PIEZOMETER PAIR LOCATIONS (e.g. MW-15S/D) TO COMPARE TO ELEVATIONS MEASURED IN WELLS SCREENED ACROSS THE ENTIRE OVERBURDEN THICKNESS.

2. GROUNDWATER WATER LEVELS WERE COLLECTED ON JANUARY 17, 2023.



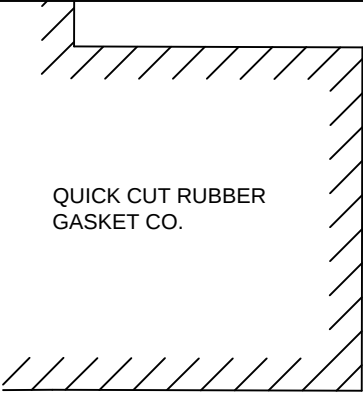
FIGURE 4
AVERAGE GROUNDWATER ELEVATIONS
JANUARY 17, 2023

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Groundwater Monitoring Water Level Data - January 17, 2023
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

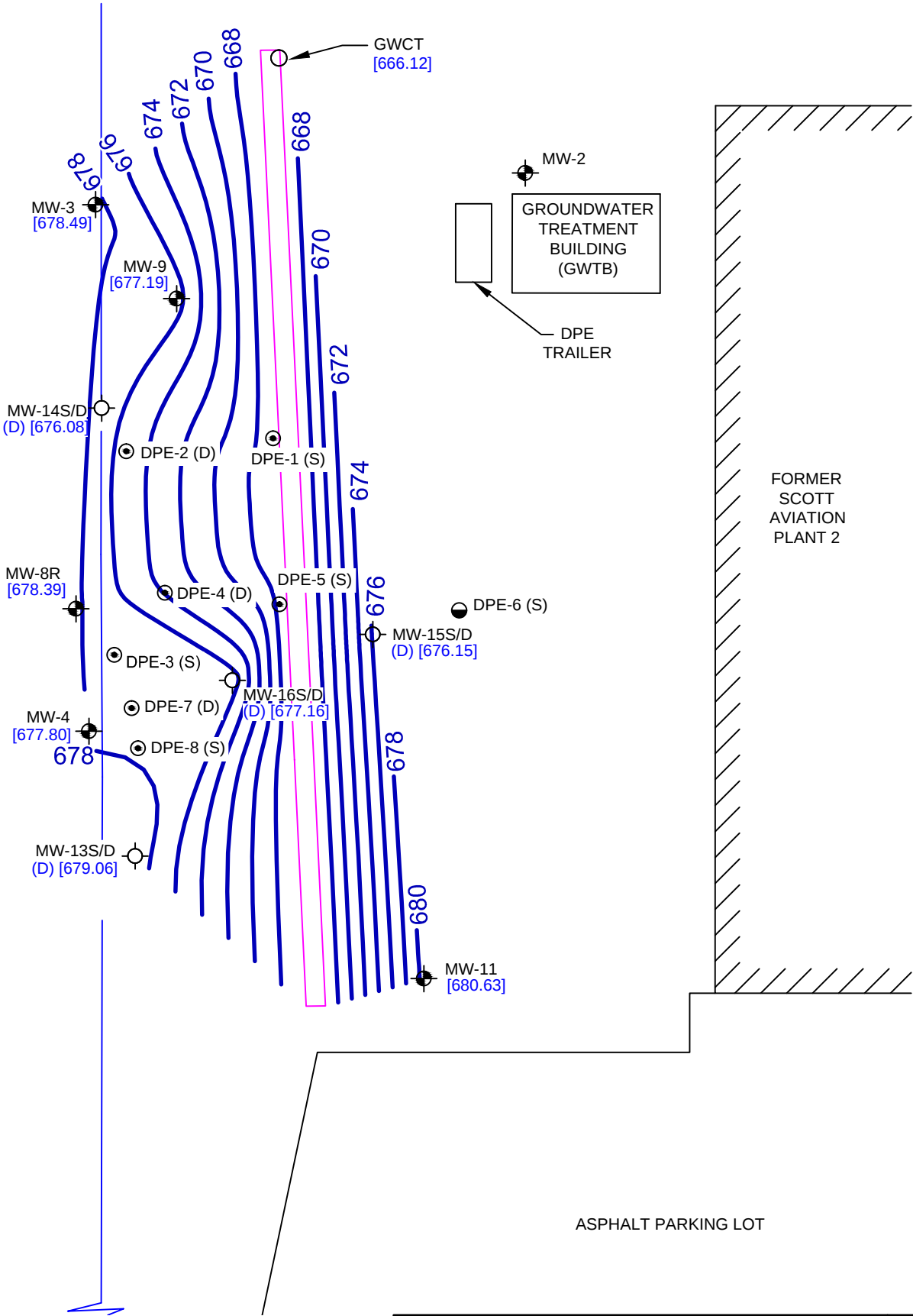
Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Groundwater Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	5.52	681.58
MW-3	687.05	8.56	678.49
MW-4	686.50	8.70	677.80
MW-8R	686.29	7.90	678.39
MW-9	689.57	12.38	677.19
MW-11	688.61	7.98	680.63
Nested Piezometers			
MW-13S	686.65	3.20	683.45
MW-13D	686.78	7.72	679.06
MW-14S	685.74	4.60	681.14
MW-14D	685.88	9.80	676.08
MW-15S	687.87	0.00	687.87
MW-15D	687.87	11.72	676.15
MW-16S	688.15	5.55	682.60
MW-16D	688.16	11.00	677.16
Remedial System			
GWCT Manhole (rim)	687.22	21.10	666.12

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 manhole
Locations re-surveyed on February 23, 2016



GRAVEL PARKING LOT

ASPHALT PARKING LOT



LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [680.63] 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

NOTE

- GROUNDWATER WATER LEVELS WERE COLLECTED ON JANUARY 17, 2023.

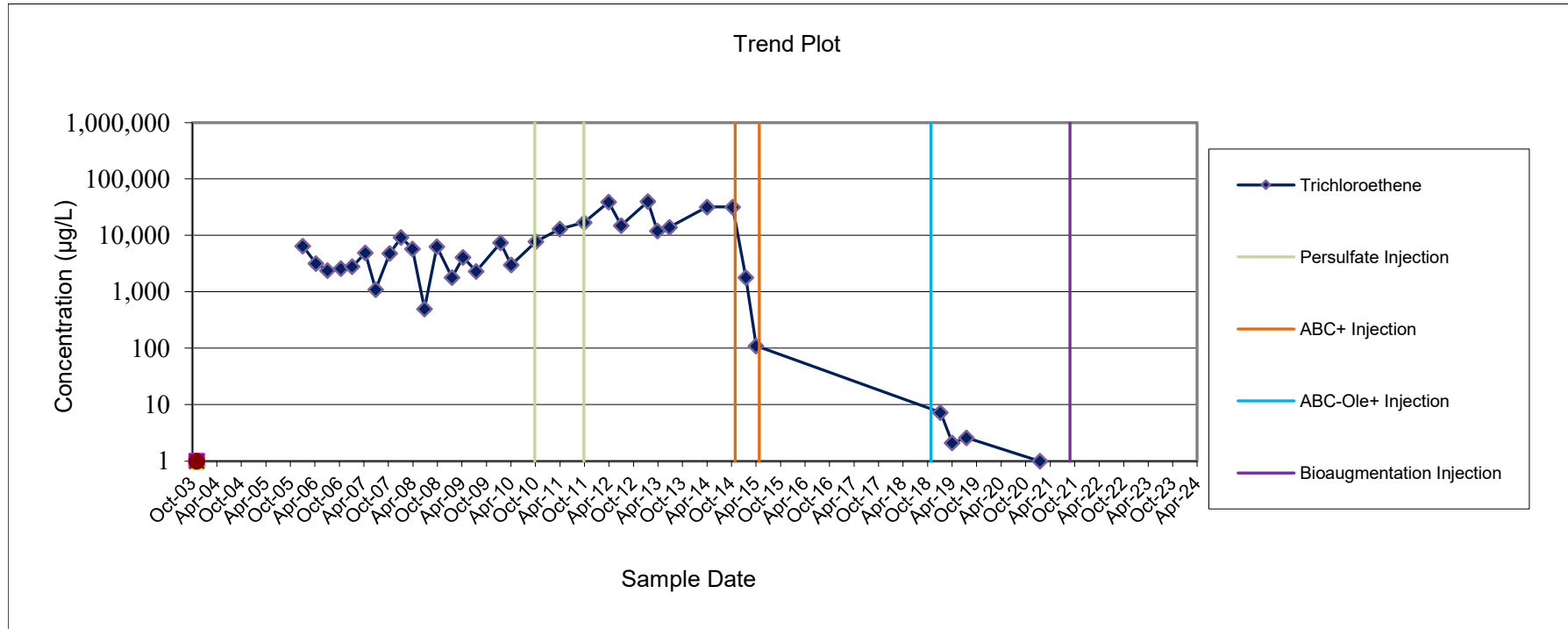


AECOM

FIGURE 5
DEEP GROUNDWATER ELEVATIONS
JANUARY 17, 2023

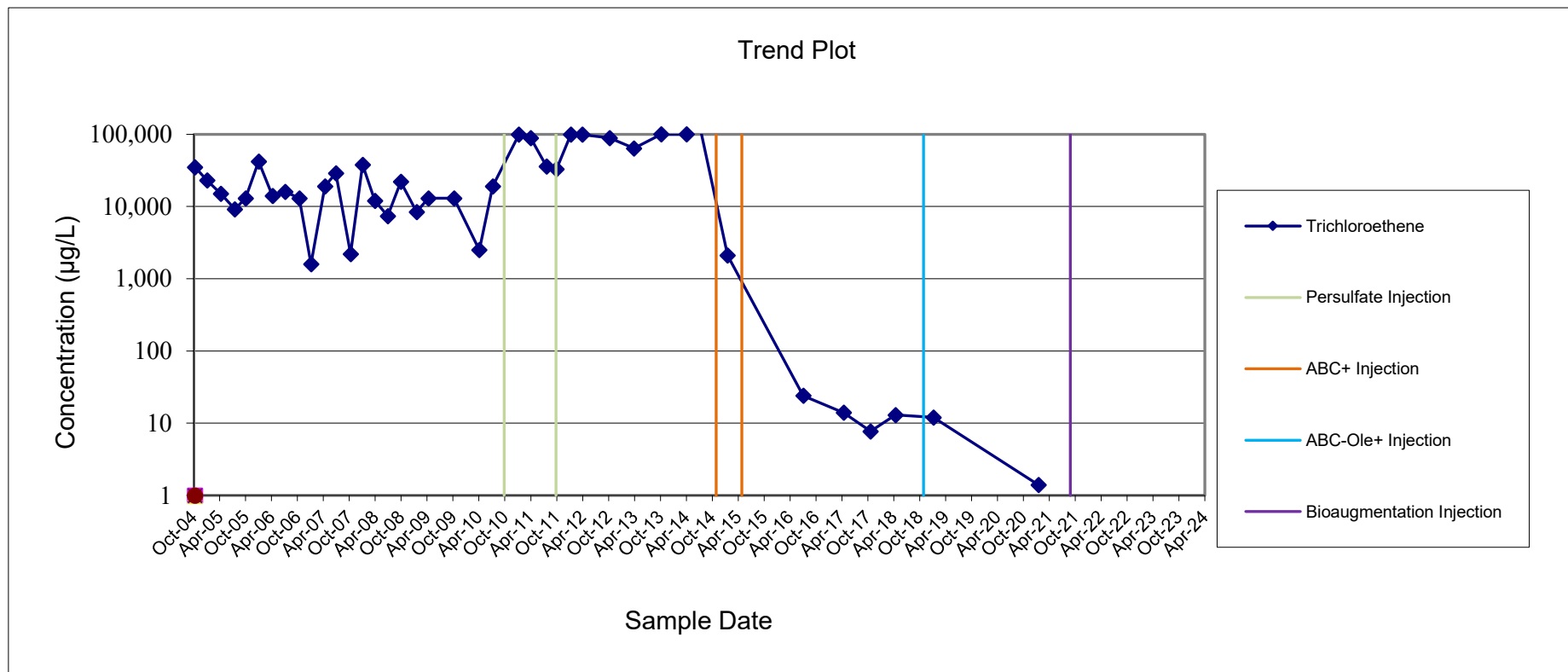
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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



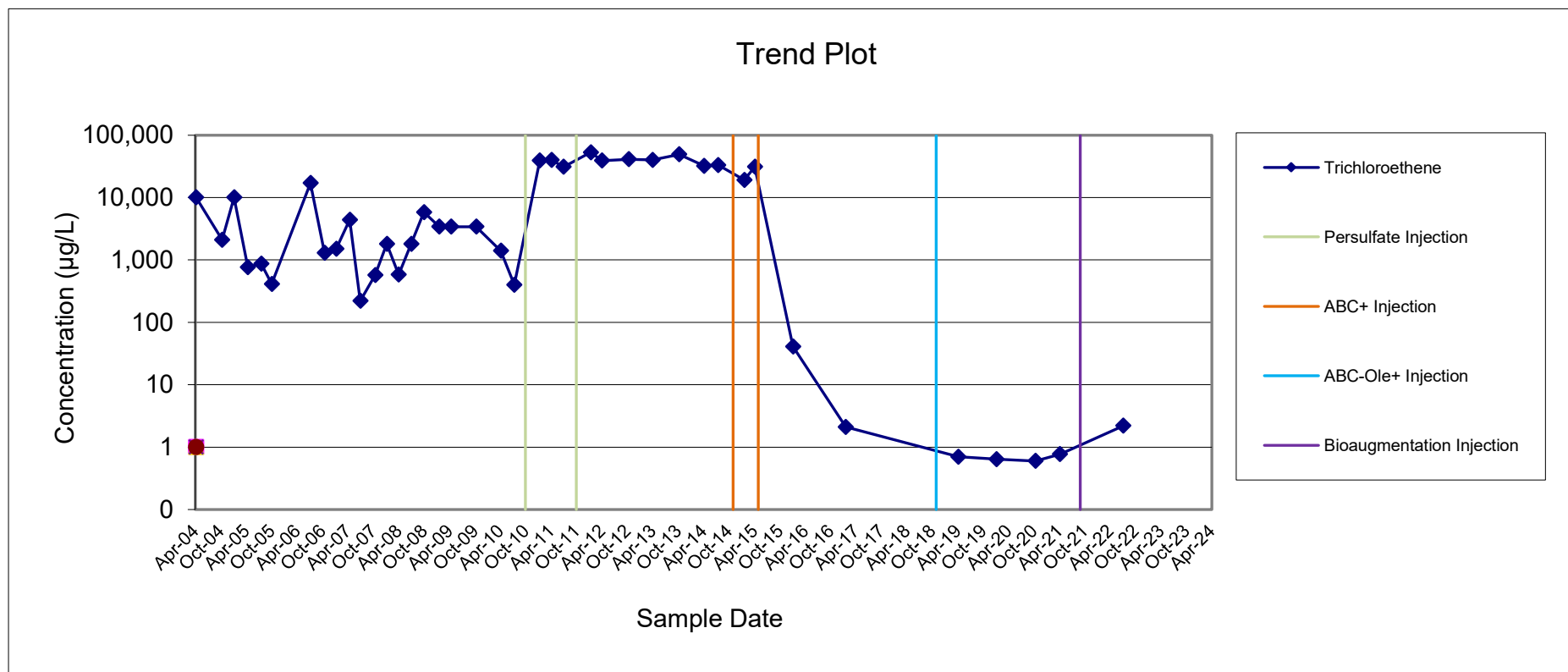
Note: TCE has not been detected since January 20, 2021.

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



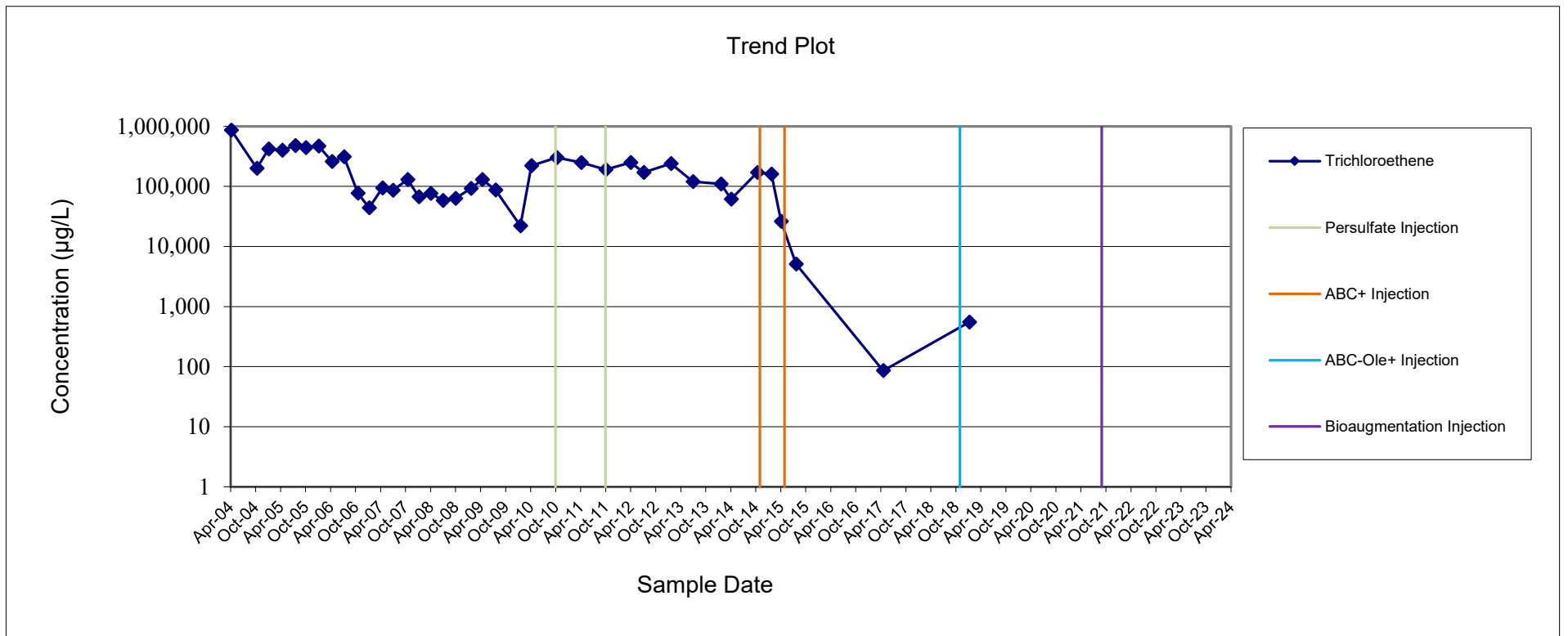
Note: TCE has not been detected since January 20, 2021.

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



Note: TCE has not been detected since July 7, 2022

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



Note: TCE has not been detected since January 9, 2019.

Appendix A

January 2023 Field Forms

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	1/18/2023		
Field Personnel	C. Horrocks		
Site Name	Former Scott Aviation Site - Lancaster, NY		
Job #	60676130		
Well ID #	MW-2		
	Upgradient	X	Downgradient
Weather Conditions	Cloudy		
Air Temperature	37		° F
Total Depth (TWD) Below Top of Casing =	16.4		1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	5.52		1/100 ft
Length of Water Column (LWC) = TWD - DGW =	10.88		1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	=	1.8 gal
3 Casing Volumes =	5.3		gal
Method of Well Evacuation	Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump/Poly Tubing		
Total Volume of Water Removed	3.0		gal

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	687.1	1/100 ft
Height of Riser (above land surface)	1.80	1/100 ft
Land Surface Elevation	685.3	1/100 ft
Screened Interval (below land surface)	7-17	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)
Time (Military)
Depth to Groundwater
Below Top of Casing (ft)
Drawdown (ft)
pH (S.U.)
Sp. Cond. (mS/cm)
Turbidity (NTUs)
Dissolved Oxygen (mg/L)
Water Temperature (°C)
ORP (mV)

250	250	250	250	250	250	250	250
1025	1030	1035	1040	1045	1050	1055	1100
6.52	7.07	8.00	8.60	9.00	9.42	9.80	10.15
-1.00	-0.55	-0.93	-0.60	-0.40	-0.42	-0.38	-0.35
7.10	7.01	6.99	6.94	6.88	6.83	6.78	6.76
1.032	1.007	1.000	0.987	0.980	0.982	0.990	1.000
164	179	160	136	91.6	67.1	63.4	62.7
1.09	0.58	0.57	0.63	0.60	0.51	0.57	0.55
9.84	9.83	9.82	9.72	9.69	9.69	9.85	9.82
-49.7	-50.2	-48.4	-47.5	-46.0	-40.4	-42.3	-43.8

Physical appearance at start	Color	<u>cloudy</u>
	Odor	<u>none</u>
Sheen/Free Product	no	

Physical appearance at sampling	Color	<u>clear</u>
	Odor	<u>none</u>
Sheen/Free Product	no	

COMMENTS/OBSERVATIONS	Start purge at 10:23hrs
	Sample at 11:00hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	1/18/2023		
Field Personnel	C. Horrocks		
Site Name	Former Scott Aviation Site - Lancaster, NY		
Job #	60676130		
Well ID #	MW-3		
	Upgradient	X	Downgradient
Weather Conditions	Cloudy		
Air Temperature	38		° F
Total Depth (TWD) Below Top of Casing =	28		1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	8.56		1/100 ft
Length of Water Column (LWC) = TWD - DGW =	19.44		1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	=	3.2 gal
3 Casing Volumes =	9.5		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	687.05	1/100 ft
Height of Riser (above land surface)	1.45	1/100 ft
Land Surface Elevation	685.60	1/100 ft
Screened Interval (below land surface)	7.5 - 27.5	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200		
Time (Military)	1140	1145	1150	1155	1200	1205		
Depth to Groundwater Below Top of Casing (ft)	9.39	10.49	11.36	12.35	13.02	13.22		
Drawdown (ft)	-0.83	-1.10	-0.87	-0.99	-0.67	-0.20		
pH (S.U.)	7.14	7.08	7.08	7.09	7.09	7.09		
Sp. Cond. (mS/cm)	1.196	1.206	1.200	1.196	1.198	1.198		
Turbidity (NTUs)	49.3	26.8	27.7	23.7	23.9	22.3		
Dissolved Oxygen (mg/L)	1.88	0.70	0.57	0.44	0.42	0.41		
Water Temperature (°C)	8.96	9.75	9.88	10.12	10.14	10.12		
ORP (mV)	17.8	25.0	25.0	25.8	25.0	25.3		
Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear			
	Odor	none		Odor	none			
Sheen/Free Product	no	Sheen/Free Product	no					

COMMENTS/OBSERVATIONS	Start purge at 11:36 hrs.
	Sample at 12:05 hrs.

Date (mo/day/yr)	1/18/2023	
Field Personnel	C. Horrocks	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60676130	
Well ID #	MW-4	
	Upgradient	Downgradient
Weather Conditions	Cloudy	
Air Temperature	39	° F
Total Depth (TWD) Below Top of Casing =	26	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	8.70	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	17.3	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 2.82 gal
3 Casing Volumes =	8.46	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	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

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	1320	1325	1330	1335	1340			
Depth to Groundwater Below Top of Casing (ft)	9.97	11.02	13.13	15.18	16.40			
Drawdown (ft)	-1.27	-1.05	-2.11	-2.05	-1.22			
pH (S.U.)	7.91	7.89	7.84	7.78	7.77			
Sp. Cond. (mS/cm)	2.572	2.582	2.583	2.586	2.588			
Turbidity (NTUs)	39.5	20.1	20.2	23.2	21.7			
Dissolved Oxygen (mg/L)	0.82	0.47	0.33	0.36	0.33			
Water Temperature (°C)	10.49	10.91	11.04	10.93	10.93			
ORP (mV)	-156.2	-163.1	-163.5	-155.6	-160.3			
Physical appearance at start	Color	clear	Physical appearance at sampling				clear	
	Odor	none					Odor	none
Sheen/Free Product	no		Sheen/Free Product				no	

COMMENTS/OBSERVATIONS	Start purge at 13:16 hrs.
	Sample at 13:40 hrs.

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

Date (mo/day/yr) 1/18/2023

Field Personnel C. Horrocks

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60676130

Well ID # MW-11

☒ Upgradient ☐ Downgradient

Weather Conditions Cloudy

Air Temperature 37

Total Depth (TWD) Below Top of Casing = 28.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 7.98 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 20.52 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 3.3 gal

3 Casing Volumes = 10 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 4 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 (8260B)	3	HCL, 4°C	Dup
VOA 40 mL glass	TOC (9060A)	2	HCL, 4°C	Dup

FIELD ANALYSES

Flow Rate (ml/min)	250	250	250	250	250		
Time (Military)	0930	0935	0940	0945	0950		
Depth to Groundwater Below Top of Casing (ft)	10.71	10.79	10.86	11.02	11.05		
Drawdown (ft)	-2.73	-0.08	-0.07	-0.16	-0.03		
pH (S.U.)	6.81	6.76	6.72	6.74	6.72		
Sp. Cond. (S/cm)	2.590	2.777	3.024	2.870	2.847		
Turbidity (NTUs)	86.8	87.9	70.9	71.3	72.5		
Dissolved Oxygen (g/L)	4.10	4.46	4.12	4.13	4.07		
Water Temperature (°C)	11.11	10.70	10.81	10.70	10.81		
ORP (mV)	0.1	3.3	4.4	1.1	2.3		

Physical appearance at start Color clear

Odor none

Physical appearance at sampling Color clear

Odor none

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Minor surface water entered casing upon opening, purged 1 gallon before recorded parameters. Start purge at 09:12 hrs.

Sample at 09:50 hrs

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	200	200	150	150	150	150		
Time (Military)	0855	0900	0905	0910	0915	0920		
Depth to Groundwater Below Top of Casing (ft)	5.83	8.20	9.06	9.54	9.93	10.39		
Drawdown (ft)	-2.63	-2.37	-0.86	-0.48	-0.39	-0.46		
pH (S.U.)	7.13	7.01	6.86	6.84	6.82	6.81		
Sp. Cond. (mS/cm)	1.425	1.426	1.430	1.436	1.438	1.436		
Turbidity (NTUs)	392	158	92.4	68.4	66.8	65.7		
Dissolved Oxygen (mg/L)	0.72	0.89	0.92	0.93	0.93	0.94		
Water Temperature (°C)	9.83	9.62	9.32	9.41	9.52	9.43		
ORP (mV)	-97.2	-95.7	-88.3	-88.4	-90.3	-91.2		

Physical appearance at start	Color	<u>clear</u>	Physical appearance at sampling	Color	<u>clear</u>
	Odor	<u>none</u>		Odor	<u>none</u>
Sheen/Free Product	no		Sheen/Free Product	no	

COMMENTS/OBSERVATIONS	Start purge at 08:52 hrs.
	Sample at 09:20 hrs.

GROUNDWATER SAMPLING LOG

[illegible][illegible]

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200		
Time (Military)	0935	0940	0945	0950	0955	1000		
Depth to Groundwater Below Top of Casing (ft)	9.09	9.63	10.51	13.52	15.12	16.97		
Drawdown (ft)	-1.37	-0.54	-0.88	-3.01	-1.60	-1.85		
pH (S.U.)	7.05	7.09	7.12	7.12	7.14	7.14		
Sp. Cond. (mS/cm)	1.348	1.419	1.455	1.405	1.435	1.432		
Turbidity (NTUs)	56.6	36.1	23.4	22.8	21.0	20.9		
Dissolved Oxygen (mg/L)	2.54	1.09	0.86	0.42	0.39	0.35		
Water Temperature (°C)	10.11	10.03	9.22	10.32	10.60	10.67		
ORP (mV)	-71.1	-79.7	-86.7	-89.0	-87.0	-84.4		

Physical appearance at start	Color	<u>clear</u>
	Odor	<u>none</u>
Sheen/Free Product	no	

Physical appearance at sampling	Color	<u>clear</u>
	Odor	<u>none</u>
Sheen/Free Product	no	

COMMENTS/OBSERVATIONS	Start purge at 09:31 hrs
	Sample at 10:00 hrs.

Date (mo/day/yr) 1/18/2023
Field Personnel C. Horrocks
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60676130
Well ID # MW-16S
Upgradient X Downgradient
Weather Conditions Cloudy
Air Temperature 39 ° F
Total Depth (TWD) Below Top of Casing = 15.4 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 5.55 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 9.85 1/100 ft
1 Casing Volume (OCV) = LWC x 0.041 = 0.4 gal
3 Casing Volumes = 1.2 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 0.5 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	
VOA 40 mL glass	TOC (9060A)	2	HCL, 4°C	

Flow Rate (ml/min)
Time (Military)
Depth to Groundwater
Below Top of Casing (ft)
Drawdown (ft)
pH (S.U.)
Sp. Cond. (mS/cm)
Turbidity (NTUs)
Dissolved Oxygen (mg/L)
Water Temperature (°C)
ORP (mV)

200	200	200					
1417	1420	1423					
9.03	12.72	14.44					
-3.48	-3.69	-1.72					
7.12	6.82	6.77					
3.327	3.282	3.279					
359	218	83.6					
3.03	0.38	0.37					
8.57	8.54	8.65					
-94.8	-86.0	-86.1					

Physical appearance at start Color clear
Odor none

Sheen/Free Product no

Physical appearance at sampling Color clear
Odor none

Sheen/Free Product no

COMMENTS/OBSERVATIONS Start purge at 14:15 hrs; dry at 14:25 hrs. Allow well to recharge.

Sample at 08:35 hrs. on 1/19/23.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____	1/18/2023	
Field Personnel _____	C. Horrocks	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60676130	
Well ID # _____	MW-16D	
_____ Upgradient _____ X _____ Downgradient		
Weather Conditions _____	Cloudy	
Air Temperature _____	39	° F
Total Depth (TWD) Below Top of Casing = _____	24	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____	11	1/100 ft
Length of Water Column (LWC) = TWD - DGW = _____	13	1/100 ft
1 Casing Volume (OCV) = LWC x _____	0.041	= _____ 0.5 gal
3 Casing Volumes = _____	1.6	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 _____	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	
VOA 40 mL glass	TOC (9060A)	2	HCL, 4°C	

Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	1430	1435	1440	1445	1450			
Depth to Groundwater Below Top of Casing (ft)	13.23	15.13	17.02	17.75	18.95			
Drawdown (ft)	-2.23	-1.90	-1.89	-0.73	-1.20			
pH (S.U.)	7.56	7.52	7.45	7.46	7.45			
Sp. Cond. (mS/cm)	1.540	1.533	1.494	1.487	1.483			
Turbidity (NTUs)	45.2	32.7	27.3	24.5	23.8			
Dissolved Oxygen (g/L)	1.14	1.06	1.07	1.08	1.07			
Water Temperature (°C)	9.77	10.14	10.47	10.53	10.58			
ORP (mV)	-107.6	-112.7	-115.5	-116.3	-116.8			

Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear
	Odor	none		Odor	none
Sheen/Free Product		no	Sheen/Free Product		no

COMMENTS/OBSERVATIONS _____	Start purge at 14:26 hrs.
_____	Sample at 14:50 hrs.

Appendix B

Current and Historical Summary of Groundwater Elevations

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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	7.29	683.06
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	5.92	684.43
4/14/2005	6.50	683.85
7/20/2005	7.77	682.58
10/4/2005	6.08	684.27
1/5/2006	9.56	680.79
4/11/2006	6.65	683.70
7/10/2006	7.79	682.56
10/18/2006	6.11	684.24
1/9/2007	6.27	684.08
2/28/2007	5.20	685.15
4/16/2007	5.99	684.36
7/2/2007	7.22	683.13
10/15/2007	8.15	682.20
1/8/2008	5.73	684.62
4/2/2008	5.95	684.40
7/1/2008	4.90	685.45
9/30/2008	7.40	682.95
1/19/2009	6.75	683.60
4/14/2009	6.15	684.20
7/21/2009	6.25	684.10
10/14/2009	5.85	684.50
1/18/2010	7.00	683.35
4/8/2010	5.45	684.90
7/12/2010	6.10	684.25
10/11/2010	7.00	683.35
1/11/2011	6.80	683.55
4/4/2011	5.70	684.65
7/25/2011	4.75	685.60
10/3/2011	4.13	686.22
1/12/2012	6.40	683.95
4/2/2012	6.00	684.35
7/5/2012	6.47	683.88
10/11/2012	7.17	683.18
1/21/2013	6.72	683.63
4/1/2013	6.10	684.25
7/1/2013	6.84	683.51
10/9/2013	6.70	683.65
1/21/2014	6.00	684.35
4/7/2014	4.95	685.40
7/16/2014	6.72	683.63
10/14/2014	6.79	683.56
1/20/2015	7.12	683.23
4/6/2015	5.74	684.61
7/22/2015	6.19	684.16
10/19/2015	5.79	684.56
1/5/2016	6.41	683.94
4/4/2016	5.68	681.42
7/5/2016	5.56	683.12
10/24/2016	5.56	683.12
1/16/2017	6.21	682.47
4/18/2017	6.06	682.47
7/11/2017	6.92	681.76
10/23/2017	6.59	682.09
1/8/2018	6.61	680.39
4/11/2018	5.12	681.88
7/12/2018	6.71	680.29
10/19/2018	6.44	680.56
1/9/2019	5.65	681.35
4/8/2019	5.28	681.72
7/22/2019	6.30	680.70
10/14/2019	7.56	679.44
1/6/2020	7.39	679.61
4/6/2020	7.40	679.60
7/21/2020	6.10	680.90
10/13/2020	6.50	680.50
1/19/2021	6.53	680.47
4/6/2021	5.56	681.44
7/13/2021	6.80	680.20
10/18/2021	5.97	681.03
1/18/2022	6.07	680.93
4/4/2022	5.25	681.75
7/7/2022	6.62	680.38
10/3/2022	6.24	680.76
1/17/2023	5.52	681.48

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.

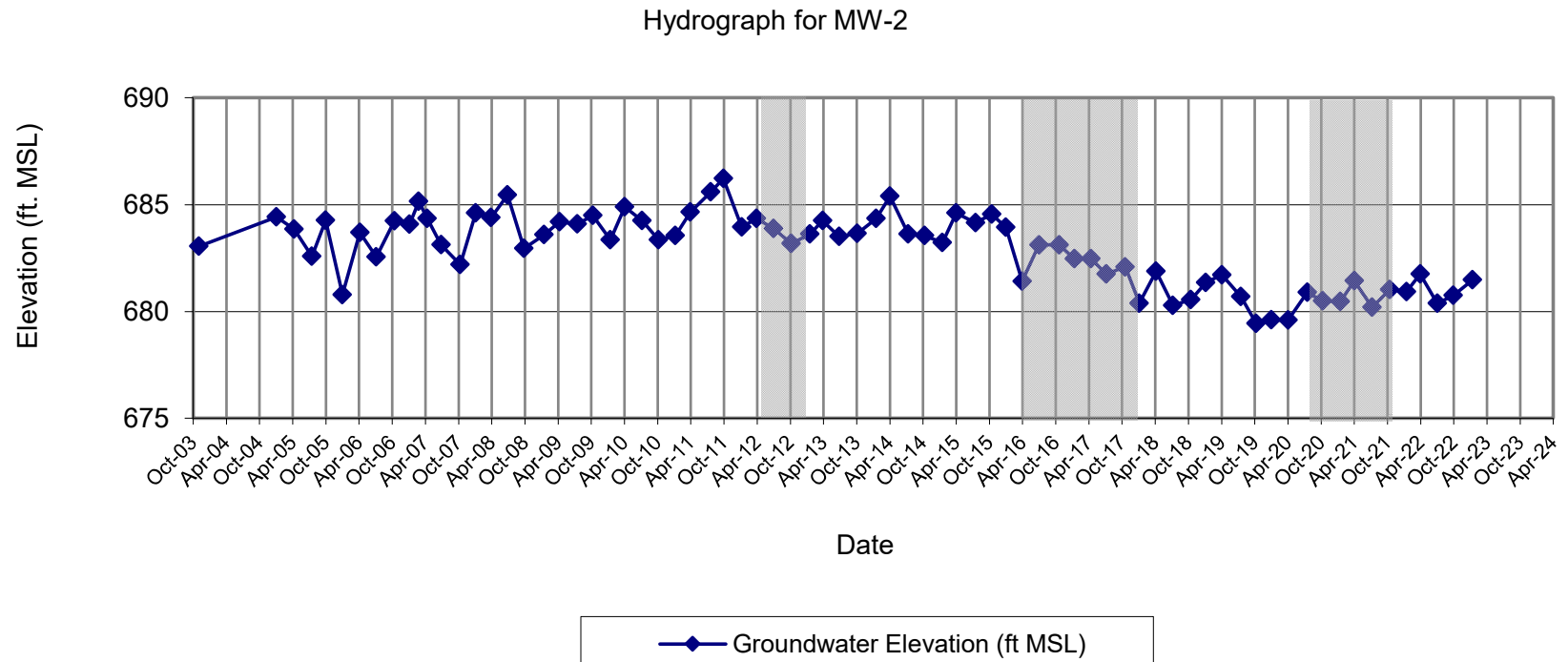
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

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



MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
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	10.90	676.12
1/12/2011	11.30	675.72
4/4/2011	10.70	676.32
7/25/2011	4.38	682.64
10/3/2011	3.14	683.88
1/12/2012	10.65	676.37
4/2/2012	9.81	677.21
7/5/2012	8.56	678.46
10/11/2012	9.77	677.25
1/21/2013	11.15	675.87
4/1/2013	8.56	678.46
7/1/2013	11.85	675.17
10/9/2013	10.43	676.59
1/21/2014	10.45	676.57
4/7/2014	11.77	675.25
7/16/2014	10.29	676.73
10/14/2014	9.65	677.37
1/20/2015	10.15	676.87
4/6/2015	8.94	678.08
7/22/2015	7.98	679.04
10/19/2015	5.15	681.87
1/5/2016	9.01	678.01
4/4/2016	8.00	679.05
7/5/2016	5.86	681.19
10/24/2016	5.86	681.19
1/16/2017	10.58	676.47
4/18/2017	12.29	674.76
7/11/2017	12.65	674.40
10/23/2017	11.80	675.25
1/8/2018	10.12	676.93
4/11/2018	9.58	677.47
7/12/2018	10.98	676.07
10/19/2018	13.40	673.65
1/9/2019	12.32	674.73
4/8/2019	10.09	676.96
7/22/2019	9.24	677.81
10/14/2019	8.61	678.44
1/6/2020	8.14	678.91
4/6/2020	8.93	678.12
7/21/2020	9.14	677.91
10/13/2020	10.41	676.64
1/19/2021	8.73	678.32
4/6/2021	8.10	678.95
7/13/2021	9.10	677.95
10/18/2021	8.41	678.64
1/18/2022	8.89	678.16
4/4/2022	8.24	678.81
7/7/2022	9.69	677.36
10/3/2022	9.33	677.72
1/17/2023	8.56	678.49

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).

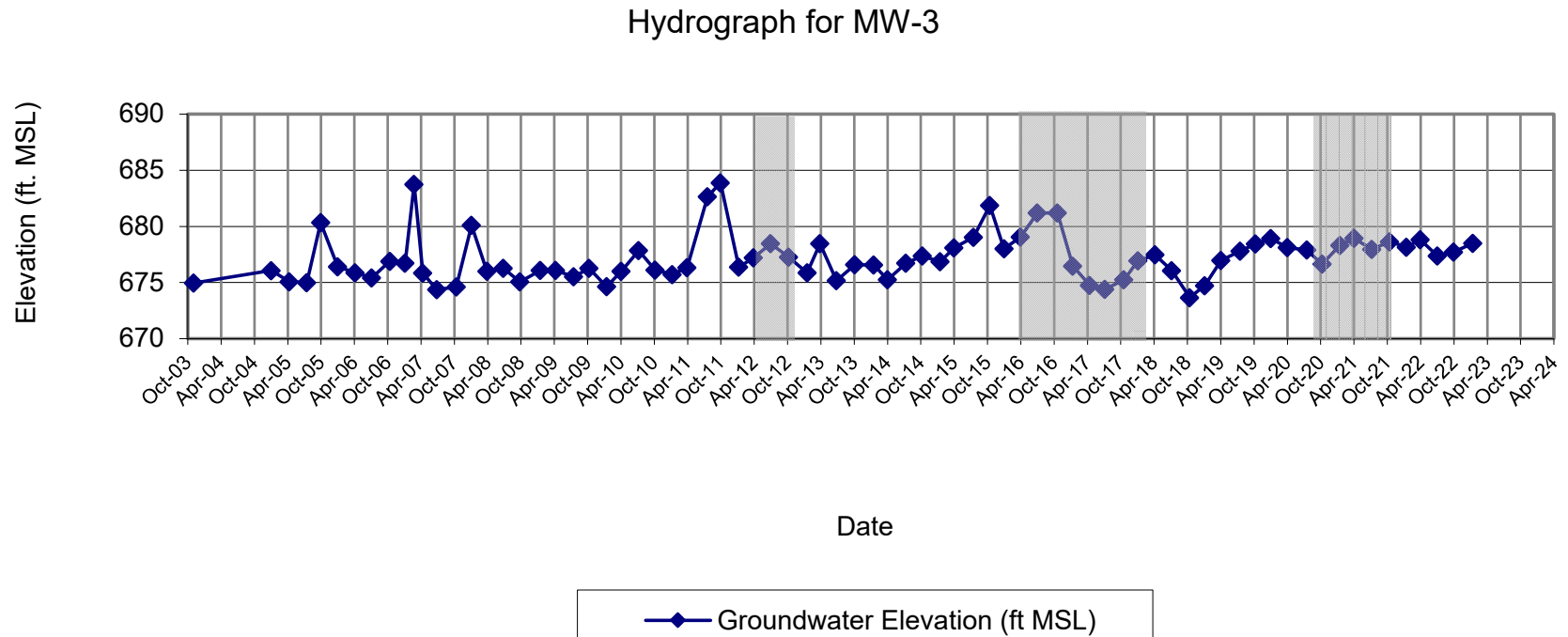
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the

ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	8.54	678.10
4/8/2004	NM	NA
10/12/2004	11.40	675.24
1/6/2005	9.20	677.44
4/14/2005	NM	NA
7/20/2005	NM	NA
10/4/2005	15.24	671.40
1/5/2006	15.71	670.93
4/11/2006	18.56	668.08
7/10/2006	15.02	671.62
10/18/2006	15.21	671.43
1/9/2007	14.00	672.64
2/28/2007	2.54	684.10
4/16/2007	12.45	674.19
7/2/2007	14.89	671.75
10/17/2007	12.91	673.73
1/8/2008	5.59	681.05
4/2/2008	9.31	677.33
7/1/2008	13.91	672.51
9/30/2008	13.55	672.87
1/19/2009	10.78	675.64
4/14/2009	8.90	677.52
7/21/2009	12.35	674.07
10/14/2009	10.40	676.02
1/18/2010	8.90	677.52
4/8/2010	10.90	675.52
7/12/2010	14.00	672.42
10/11/2010	16.69	669.73
1/12/2011	16.35	670.07
4/4/2011	17.67	668.75
7/25/2011	2.32	684.10
10/3/2011	2.98	683.44
1/12/2012	13.26	673.16
4/2/2012	13.10	673.32
7/6/2012	9.66	676.76
10/11/2012	18.60	667.82
1/21/2013	17.04	669.38
4/1/2013	18.65	667.77
7/1/2013	19.10	667.32
10/9/2013	10.10	676.32
1/21/2014	NM	NA
4/7/2014	18.85	667.57
7/16/2014	10.74	675.68
10/14/2014	8.52	677.90
1/20/2015	10.95	675.47
4/6/2015	9.05	677.37
7/22/2015	7.55	678.87
10/19/2015	4.59	681.83
1/5/2016	9.92	676.50
4/4/2016	8.20	678.30
7/5/2016	4.94	681.56
10/24/2016	4.94	681.56
1/16/2017	10.80	675.70
4/18/2017	11.92	675.70
7/11/2017	11.30	675.20
10/23/2017	13.06	673.44
1/8/2018	10.45	676.05
4/11/2018	10.55	675.95
7/12/2018	11.57	674.93
10/19/2018	11.57	674.93
1/9/2019	9.95	676.55
4/8/2019	8.83	677.67
7/22/2019	9.15	677.35
10/14/2019	8.39	678.11
1/6/2020	8.57	677.93
4/6/2020	8.57	677.93
7/21/2020	9.11	677.39
10/13/2020	11.72	674.78
1/19/2021	9.78	676.72
4/6/2021	8.84	677.66
7/13/2021	11.85	674.65
10/18/2021	7.65	678.85
1/18/2022	7.99	678.51
4/4/2022	7.67	678.83
7/7/2022	9.89	676.61
10/3/2022	8.35	678.15
1/17/2023	8.70	677.80

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.

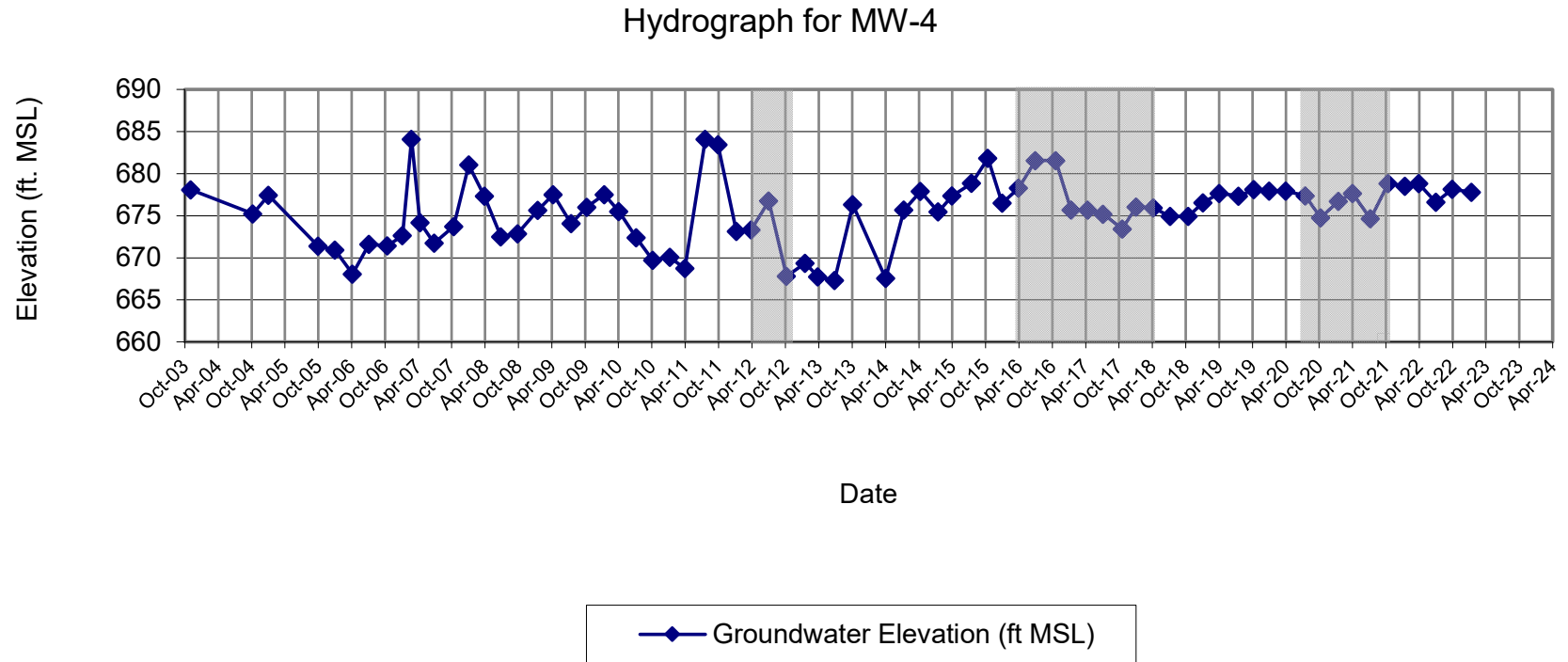
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	12.75	672.92
1/6/2005	7.45	678.22
4/14/2005	14.45	671.22
7/20/2005	NM	NA
10/4/2005	NM	NA
1/6/2006	15.51	670.16
4/11/2006	15.65	670.02
7/10/2006	14.9	670.77
10/18/2006	15.72	669.95
1/9/2007	15.76	669.91
2/28/2007	10.78	674.89
4/16/2007	15.60	670.07
7/2/2007	16.29	669.38
10/15/2007	18.50	667.17
1/8/2008	4.99	680.68
4/2/2008	13.19	672.48
7/1/2008	12.15	674.06
9/30/2008	15.83	670.38
1/19/2009	11.55	674.66
4/14/2009	11.20	675.01
7/21/2009	13.57	672.64
10/14/2009	12.76	673.45
1/18/2010	11.26	674.95
4/8/2010	14.95	671.26
7/12/2010	13.74	672.47
10/11/2010	12.34	673.87
1/12/2011	13.10	673.11
4/4/2011	14.88	671.33
7/25/2011	3.25	682.96
10/3/2011	4.50	681.71
1/12/2012	12.96	673.25
4/2/2012	11.70	674.51
7/5/2012	10.34	675.87
10/11/2012	13.38	672.83
1/21/2013	14.90	671.31
4/1/2013	10.82	675.39
7/1/2013	12.70	673.51
10/9/2013	9.25	676.96
1/21/2014	NM	NA
4/7/2014	14.55	671.66
7/16/2014	8.97	677.24
10/14/2014	5.85	680.36
1/20/2015	9.80	676.41
4/6/2015	7.55	678.66
7/22/2015	8.22	677.99
10/19/2015	4.90	681.31
1/5/2016	8.95	677.26
4/4/2016	8.10	678.19
7/5/2016	4.99	681.30
10/24/2016	4.99	681.30
1/16/2017	10.35	675.94
4/18/2017	13.68	675.94
7/11/2017	11.60	674.69
10/23/2017	12.06	674.23
4/11/2018	10.05	676.16
7/12/2018	18.78	667.43
10/19/2018	18.60	667.61
1/9/2019	7.95	678.26
4/8/2019	6.80	679.41
7/22/2019	8.00	678.21
10/14/2019	9.91	676.30
1/6/2020	6.81	679.40
4/6/2020	8.71	677.50
7/21/2020	8.15	678.06
10/13/2020	10.39	675.82
1/20/2021	8.89	677.32
4/6/2021	7.55	678.66
7/13/2021	8.40	677.81
10/18/2021	12.45	673.76
1/18/2022	15.03	671.18
4/4/2022	14.52	671.69
7/7/2022	8.40	677.81
10/3/2022	7.36	678.93
1/17/2023	7.90	678.31

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.

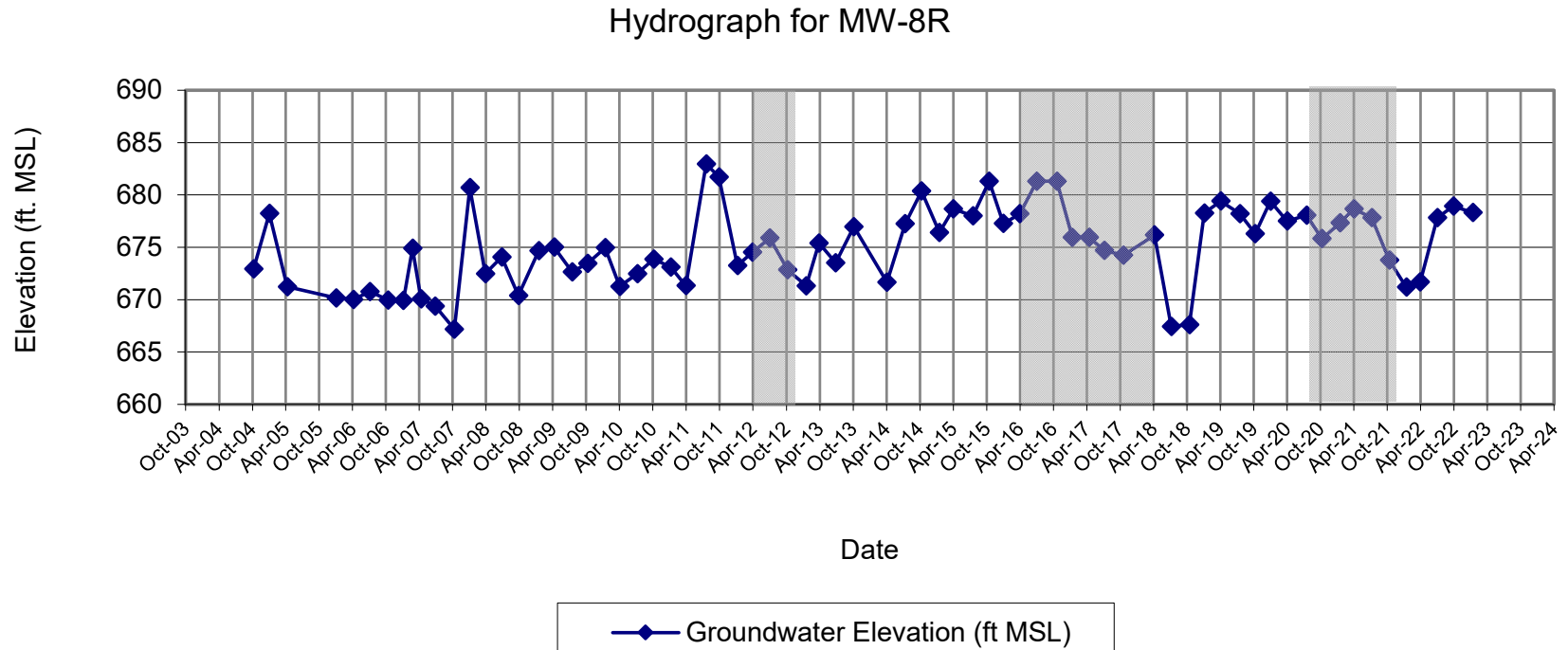
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	13.03	672.4
4/8/2004	NM	NA
10/12/2004	13.68	671.75
1/6/2005	12.89	672.54
4/14/2005	12.74	672.69
7/20/2005	13.88	671.55
10/4/2005	7.22	678.21
1/5/2006	12.79	672.64
4/11/2006	13.50	671.93
7/10/2006	13.24	672.19
10/18/2006	11.00	674.43
1/9/2007	12.24	673.19
2/28/2007	1.66	683.77
4/16/2007	13.15	672.28
7/2/2007	13.00	672.43
10/17/2007	13.95	671.48
1/8/2008	6.70	678.73
4/2/2008	10.61	674.82
7/1/2008	14.25	674.39
9/30/2008	15.67	672.97
1/19/2009	14.48	674.16
4/14/2009	15.48	673.16
7/21/2009	15.20	673.44
10/10/2009	15.06	673.58
1/18/2010	17.00	671.64
4/8/2010	15.40	673.24
7/12/2010	12.42	676.22
10/11/2010	14.21	674.43
1/12/2011	15.29	673.35
4/4/2011	14.55	674.09
7/25/2011	5.75	682.89
10/3/2011	4.58	684.06
1/12/2012	14.75	673.89
4/2/2012	14.52	674.12
7/5/2012	11.48	677.16
10/11/2012	12.66	675.98
1/21/2013	14.44	674.20
4/1/2013	11.87	676.77
7/1/2013	16.54	672.10
10/9/2013	13.68	674.96
1/21/2014	15.38	673.26
4/7/2014	16.30	672.34
7/16/2014	13.71	674.93
10/14/2014	13.09	675.55
1/20/2015	13.92	674.72
4/6/2015	12.41	676.23
7/22/2015	10.72	677.92
10/19/2015	7.06	681.58
1/5/2016	12.09	676.55
4/4/2016	11.38	678.19
7/5/2016	7.41	682.16
10/24/2016	7.41	682.16
1/16/2017	13.72	675.85
4/18/2017	14.24	675.85
7/11/2017	15.00	674.57
10/23/2017	14.84	674.73
1/8/2018	13.04	676.53
4/11/2018	13.20	676.37
7/12/2018	14.49	675.08
10/19/2018	14.21	675.36
1/9/2019	13.49	676.08
4/8/2019	12.85	676.72
7/22/2019	12.61	676.96
10/14/2019	11.83	677.74
1/6/2020	10.81	678.76
4/6/2020	12.25	677.32
7/21/2020	12.50	677.07
10/13/2020	14.72	674.85
1/19/2021	12.14	677.43
4/6/2021	11.26	678.31
7/13/2021	12.55	677.02
10/18/2021	11.69	677.88
1/18/2022	13.30	676.27
4/4/2022	12.10	677.47
7/7/2022	13.27	676.30
10/3/2022	12.42	677.15
1/17/2023	12.38	677.19

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).

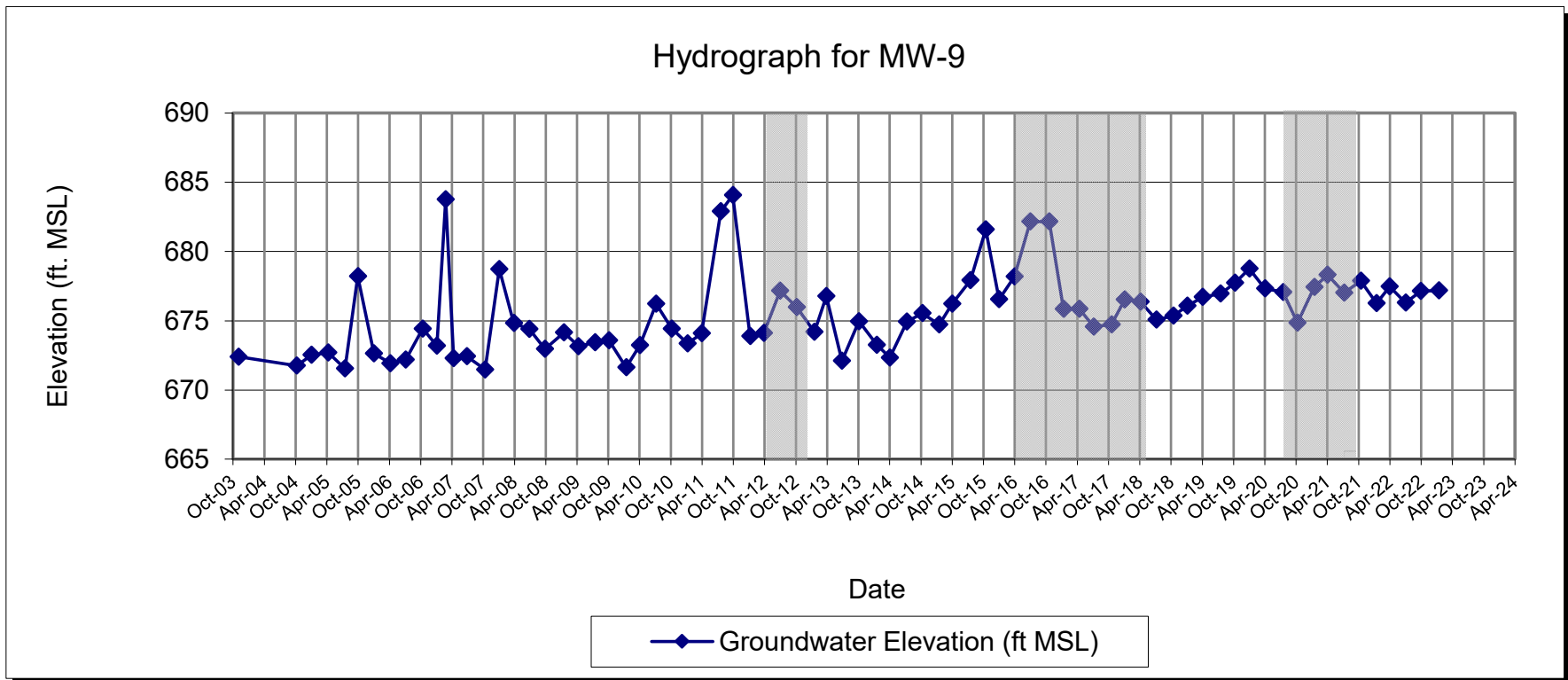
DPE system off line between November 2014 and August 2016 to accommodate first and second phase of the

ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	15.59	673.02
4/14/2005	11.59	677.02
7/20/2005	17.34	671.27
10/4/2005	10.45	678.16
1/5/2006	16.58	672.03
4/11/2006	13.52	675.09
7/10/2006	13.75	674.86
10/18/2006	14.35	674.26
1/9/2007	15.26	673.35
2/28/2007	6.34	682.27
4/16/2007	11.55	677.06
7/2/2007	17.30	671.31
10/16/2007	17.69	670.92
1/8/2008	11.73	676.88
4/2/2008	14.78	673.83
7/1/2008	13.91	674.74
9/30/2008	15.25	673.40
1/19/2009	13.45	675.20
4/14/2009	13.50	675.15
7/21/2009	14.51	674.14
10/14/2009	13.85	674.80
1/18/2010	16.38	672.27
4/8/2010	13.90	674.75
7/12/2010	12.60	676.05
10/11/2010	14.80	673.85
1/12/2011	NM	NA
4/4/2011	14.52	674.13
7/25/2011	4.48	684.17
10/3/2011	4.05	684.60
1/12/2012	8.96	679.69
4/2/2012	12.87	675.78
7/5/2012	10.53	678.12
10/11/2012	14.40	674.25
1/21/2013	14.75	673.90
4/1/2013	11.66	676.99
7/1/2013	14.99	673.66
10/9/2013	12.25	676.40
1/21/2014	13.75	674.90
4/7/2014	14.56	674.09
7/16/2014	12.64	676.01
10/14/2014	12.26	676.39
1/20/2015	12.31	676.34
4/6/2015	11.95	676.70
7/22/2015	8.49	680.16
10/19/2015	8.75	679.90
1/5/2016	12.53	676.12
4/4/2016	10.84	677.77
7/5/2016	9.37	679.24
10/24/2016	9.37	679.24
1/16/2017	9.60	679.01
4/18/2017	11.98	679.01
7/11/2017	13.75	674.86
10/23/2017	12.83	675.78
1/8/2018	11.79	676.82
4/11/2018	10.75	677.86
7/12/2018	13.21	675.40
10/19/2018	12.40	676.21
1/9/2019	12.27	676.34
4/8/2019	11.66	676.95
7/22/2019	11.45	677.16
10/14/2019	11.59	677.02
1/6/2019	11.59	677.02
4/6/2020	11.79	676.82
7/21/2020	11.82	676.79
10/13/2020	11.81	676.80
1/19/2021	10.17	678.44
4/6/2021	9.81	678.80
7/13/2021	10.50	678.11
10/18/2021	9.68	678.93
1/18/2022	10.22	678.39
4/4/2022	9.14	679.47
7/7/2022	11.01	677.60
10/3/2022	10.12	678.49
1/17/2023	7.98	680.63

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).

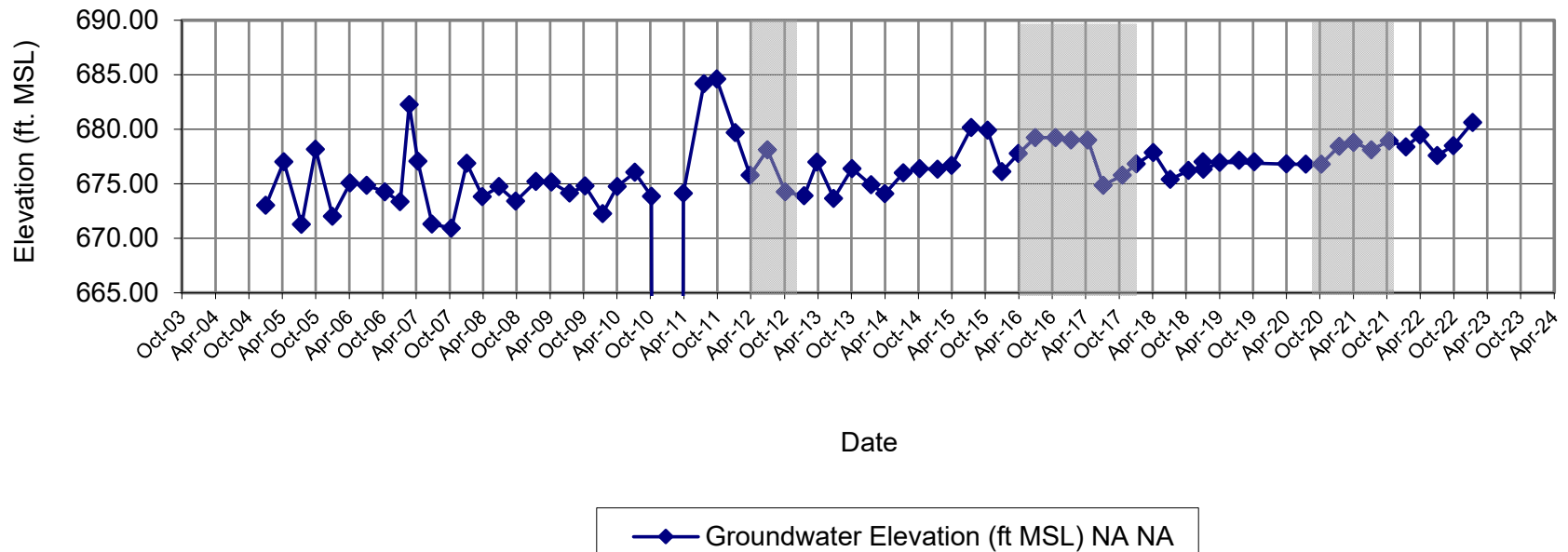
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Hydrograph for MW-11



MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	7.01	679.56
10/12/2004	13.47	673.10
1/6/2005	7.24	679.33
4/14/2005	13.91	672.66
7/20/2005	12.81	673.76
10/4/2005	13.35	673.22
1/5/2006	13.79	672.78
4/11/2006	12.45	674.12
7/10/2006	13.02	673.55
10/18/2006	10.99	675.58
1/9/2007	11.35	675.22
2/28/2007	3.49	683.08
4/16/2007	12.01	674.56
7/2/2007	13.20	673.37
10/18/2007	12.77	673.80
1/8/2008	5.08	681.49
4/2/2008	5.45	681.12
7/1/2008	9.70	676.90
9/30/2008	11.80	674.80
1/19/2009	8.70	677.90
4/14/2009	8.64	677.96
7/21/2009	10.91	675.69
10/14/2009	9.18	677.42
1/18/2010	9.80	676.80
4/8/2010	8.30	678.30
7/12/2010	9.96	676.64
10/11/2010	10.29	676.31
1/12/2011	7.53	679.07
4/4/2011	8.00	678.60
7/25/2011	2.55	684.05
10/3/2011	1.81	684.79
1/12/2012	8.11	678.49
4/2/2012	8.06	678.54
7/5/2012	8.71	677.89
10/11/2012	9.57	677.03
1/21/2013	13.85	672.75
4/1/2013	6.44	680.16
7/1/2013	6.44	680.16
10/9/2013	4.10	682.50
1/21/2014	4.95	681.65
4/7/2014	6.02	680.58
7/16/2014	5.42	681.18
10/14/2014	4.41	682.19
1/20/2015	6.10	680.50
4/6/2015	4.69	681.91
7/22/2015	7.97	678.63
10/19/2015	3.95	682.65
1/5/2016	5.90	680.70
4/4/2016	5.05	681.60
7/5/2016	3.90	682.75
10/24/2016	3.90	682.75
1/16/2017	7.20	679.45
4/18/2017	6.11	679.45
7/11/2017	8.60	678.05
10/23/2017	6.42	680.23
1/8/2018	4.73	681.92
4/11/2018	4.20	682.45
7/12/2018	7.02	679.63
10/19/2018	15.86	670.79
1/9/2019	9.71	676.94
4/8/2019	5.35	681.30
7/22/2019	16.50	670.15
10/14/2019	16.50	670.15
1/6/2020	10.21	676.44
4/6/2020	8.36	678.29
7/21/2020	5.50	681.15
10/13/2020	8.84	677.81
1/19/2021	9.78	676.87
4/6/2021	3.67	682.98
7/13/2021	5.95	680.70
10/18/2021	9.31	677.34
1/18/2022	3.52	683.13
4/4/2022	2.97	683.68
7/7/2022	5.20	681.45
10/3/2022	5.04	681.61
1/17/2023	3.20	683.45

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.

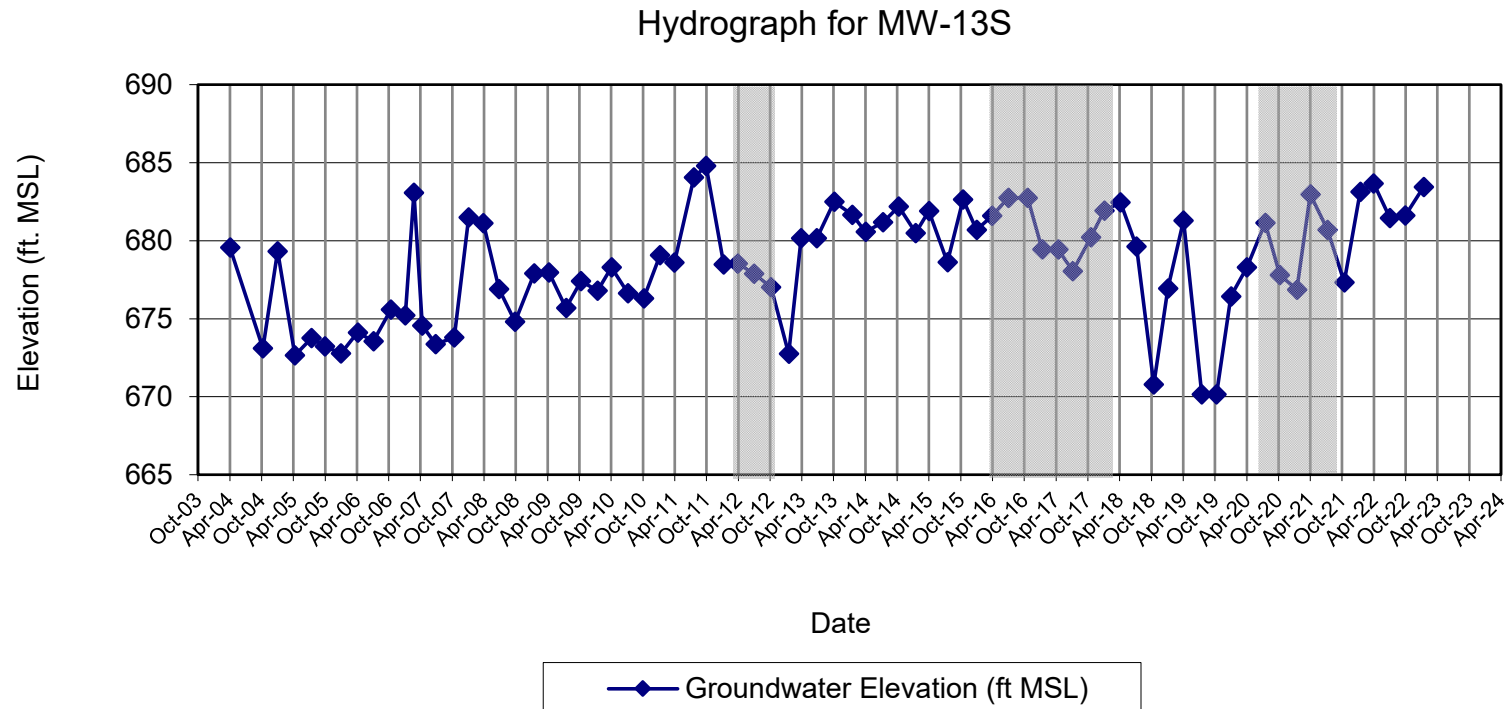
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
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	13.20	673.53
4/4/2011	13.13	673.60
7/25/2011	3.33	683.40
10/3/2011	2.55	684.18
1/12/2012	12.34	674.39
4/2/2012	11.76	674.97
7/5/2012	9.25	677.48
10/11/2012	13.00	673.73
1/21/2013	13.85	672.88
4/1/2013	11.01	675.72
7/1/2013	14.26	672.47
10/9/2013	10.36	676.37
1/21/2014	11.45	675.28
4/7/2014	13.65	673.08
7/16/2014	10.74	675.99
10/14/2014	9.41	677.32
1/20/2015	11.02	675.71
4/6/2015	9.35	677.38
7/22/2015	7.44	679.29
10/19/2015	4.55	682.18
1/5/2016	10.31	676.42
4/4/2016	8.65	678.13
7/5/2016	5.06	681.72
10/24/2016	5.06	681.72
1/16/2017	12.50	674.28
4/18/2017	10.10	674.28
7/11/2017	11.15	675.63
10/23/2017	10.87	675.91
1/8/2018	9.12	677.66
4/11/2018	8.70	678.08
7/12/2018	10.91	675.87
10/19/2018	10.86	675.92
1/9/2019	9.85	676.93
4/8/2019	9.00	677.78
7/22/2019	9.79	676.99
10/14/2019	8.87	677.91
1/6/2020	7.69	679.09
4/6/2020	8.54	678.24
7/21/2020	9.00	677.78
10/13/2020	10.16	676.62
1/19/2021	9.02	677.76
4/6/2021	7.90	678.88
7/13/2021	9.05	677.73
10/18/2021	8.45	678.33
1/18/2022	8.75	678.03
4/4/2022	7.52	679.26
7/7/2022	9.20	677.58
10/3/2022	8.38	678.40
1/17/2023	7.72	679.06

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.

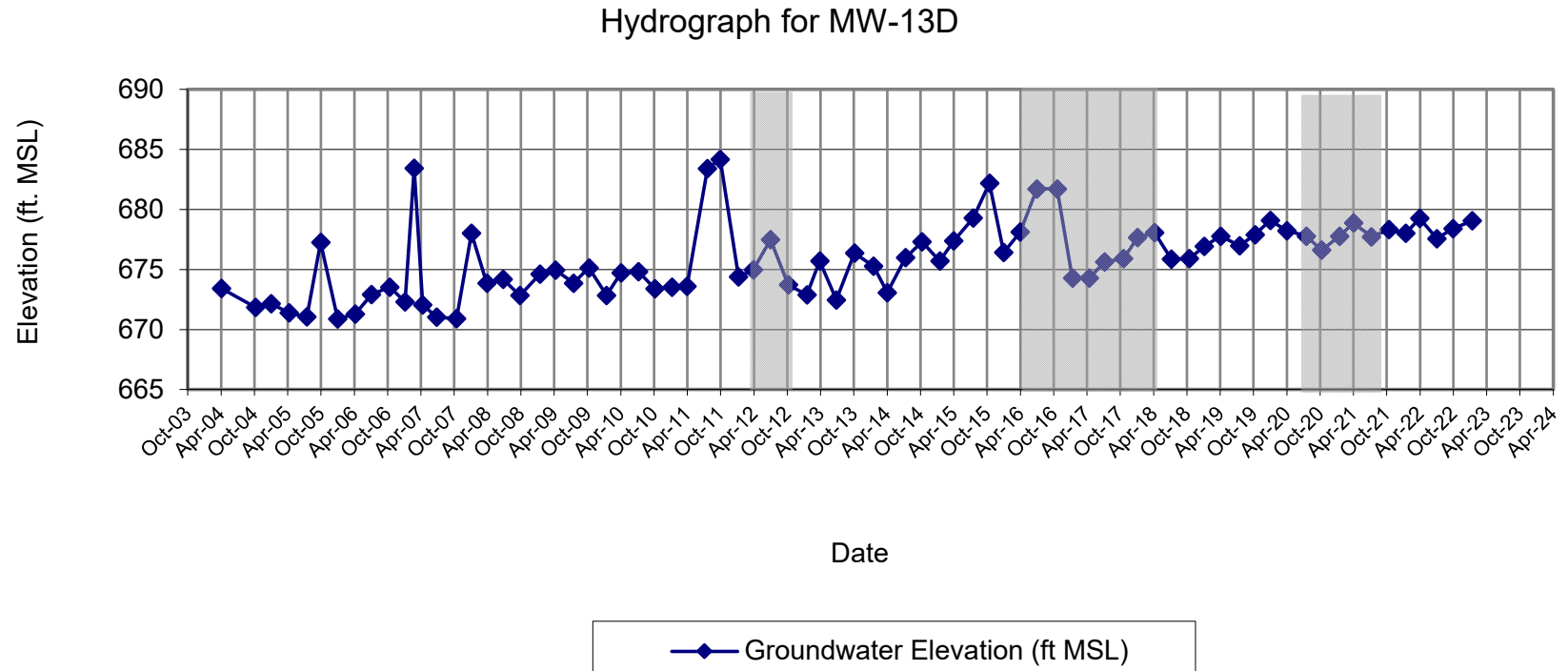
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
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
4/8/2019	4.40	681.34
7/22/2019	8.60	677.14
10/14/2019	5.14	680.60
1/6/2020	4.42	681.32
4/6/2020	4.31	681.43
7/21/2020	5.30	680.44
10/13/2020	6.18	679.56
1/19/2021	5.28	680.46
4/6/2021	4.75	680.99
7/13/2021	5.35	680.39
10/18/2021	5.41	680.33
1/18/2022	5.23	680.51
4/4/2022	4.86	680.88
7/7/2022	6.53	679.21
10/3/2022	4.64	681.10
1/17/2023	4.60	681.14

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).

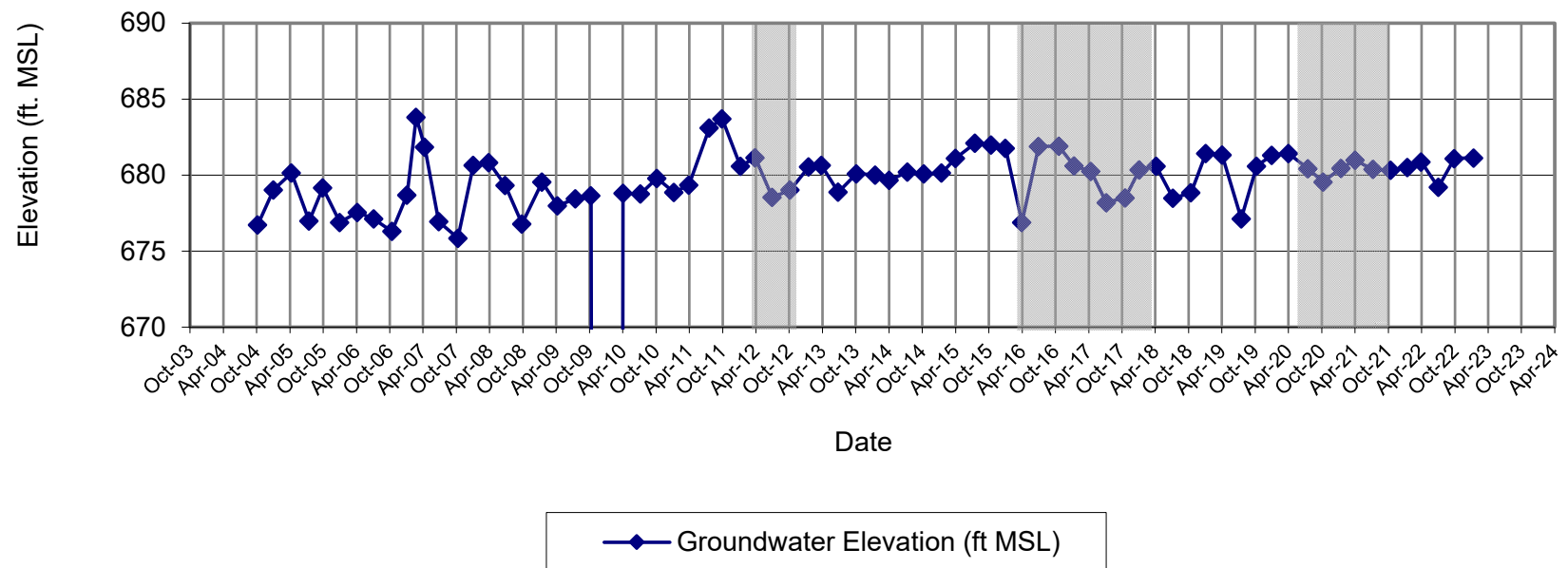
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Hydrograph for MW-14S



MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.21	672.22
10/12/2004	14.55	670.88
1/6/2005	15.97	669.46
4/14/2005	13.25	672.18
7/20/2005	18.20	667.23
10/4/2005	13.26	672.17
1/5/2006	19.08	666.35
4/11/2006	19.79	665.64
7/10/2006	17.16	668.27
10/18/2006	19.44	665.99
1/9/2007	14.71	670.72
2/28/2007	2.67	682.76
4/16/2007	19.74	665.69
7/2/2007	19.68	665.75
10/15/2007	19.76	665.67
1/8/2008	7.92	677.51
4/2/2008	14.41	671.02
7/1/2008	14.45	671.37
9/30/2008	15.39	670.43
1/19/2009	13.55	672.27
4/14/2009	20.10	665.72
7/21/2009	15.15	670.67
10/14/2009	20.27	665.55
1/18/2010	20.40	665.42
4/8/2010	15.40	670.42
7/12/2010	17.15	668.67
10/11/2010	14.40	671.42
1/12/2011	17.92	667.90
4/4/2011	16.23	669.59
7/25/2011	3.10	682.72
10/3/2011	2.72	683.10
1/12/2012	15.30	670.52
4/2/2012	16.50	669.32
7/5/2012	12.81	673.01
10/11/2012	14.55	671.27
1/21/2013	13.45	672.37
4/1/2013	10.78	675.04
7/1/2013	19.85	665.97
10/9/2013	10.02	675.80
1/21/2014	18.20	667.62
4/7/2014	17.95	667.87
7/16/2014	12.99	672.83
10/14/2014	10.70	675.12
1/20/2015	13.49	672.33
4/6/2015	11.30	674.52
7/22/2015	8.62	677.20
10/19/2015	4.10	681.72
1/5/2016	11.70	674.12
4/4/2016	17.98	667.90
7/5/2016	4.67	681.21
10/24/2016	4.67	681.21
1/16/2017	15.89	669.99
4/18/2017	12.45	669.99
7/11/2017	14.74	671.14
10/23/2017	17.02	668.86
1/8/2018	17.69	668.19
4/11/2018	15.95	669.93
7/12/2018	16.90	668.98
10/19/2018	15.69	670.19
1/9/2019	12.62	673.26
4/8/2019	11.80	674.08
7/22/2019	11.35	674.53
10/14/2019	11.88	674.00
1/6/2020	9.44	676.44
4/6/2020	13.00	672.88
7/21/2020	12.31	673.57
10/13/2020	19.31	666.57
1/19/2021	12.24	673.64
4/6/2021	10.28	675.60
7/13/2021	12.80	673.08
10/18/2021	10.13	675.75
1/18/2022	18.85	667.03
4/4/2022	11.49	674.39
7/7/2022	12.35	673.53
10/3/2022	18.49	667.39
1/17/2023	9.80	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 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).

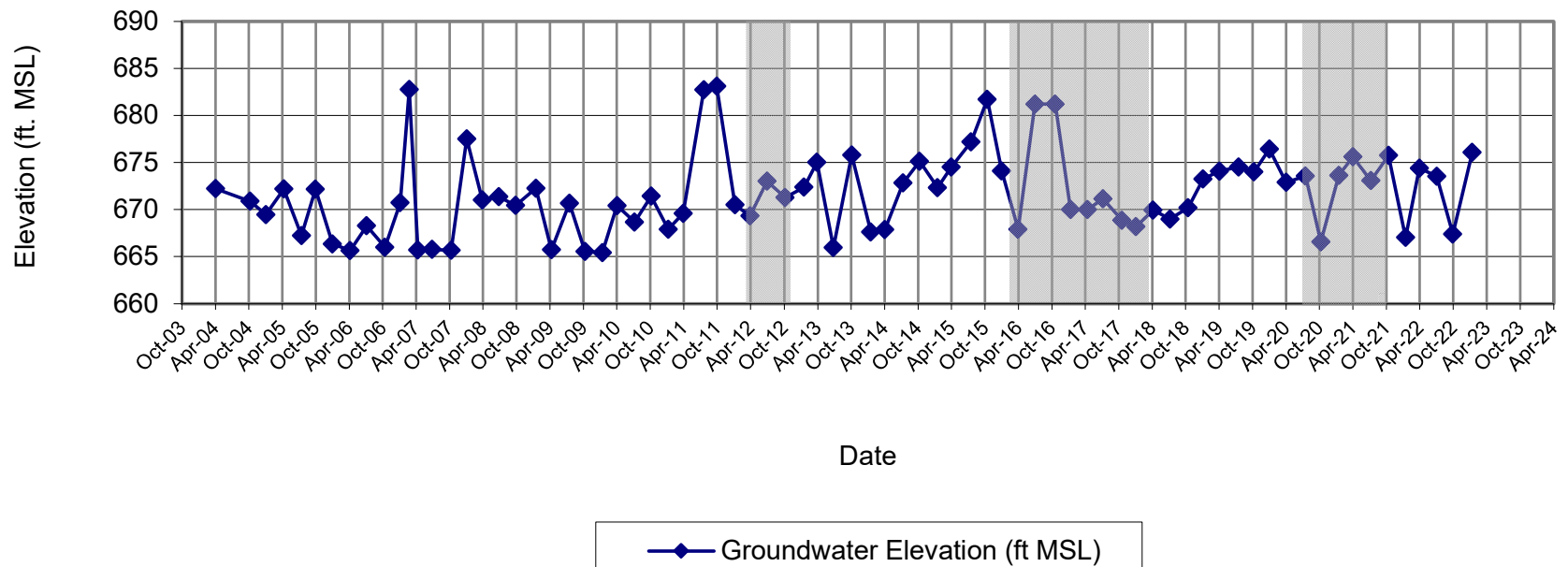
DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Hydrograph for MW-14D



MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
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	684.26
10/24/2016	3.61	684.26
1/16/2017	1.20	686.67
4/18/2017	0.90	686.97
7/11/2017	4.30	683.57
10/23/2017	2.55	685.32
1/8/2018	0.00	687.87
4/11/2018	0.00	687.87
7/12/2018	0.35	687.52
10/19/2018	0.44	687.43
1/9/2019	0.22	687.65
4/8/2019	0.00	687.87
7/22/2019	2.95	684.92
10/14/2019	1.32	686.55
1/6/2020	0.04	687.83
4/6/2020	0.02	687.85
7/21/2020	0.48	687.39
10/13/2020	2.98	684.89
1/19/2021	0.49	687.38
4/6/2021	0.98	686.89
7/13/2021	3.25	684.62
10/18/2021	0.87	687.00
1/18/2022	0.00	687.87
4/4/2022	0.90	686.97
7/7/2022	0.61	687.26
10/3/2022	0.77	687.10
1/17/2023	0.00	687.87

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.

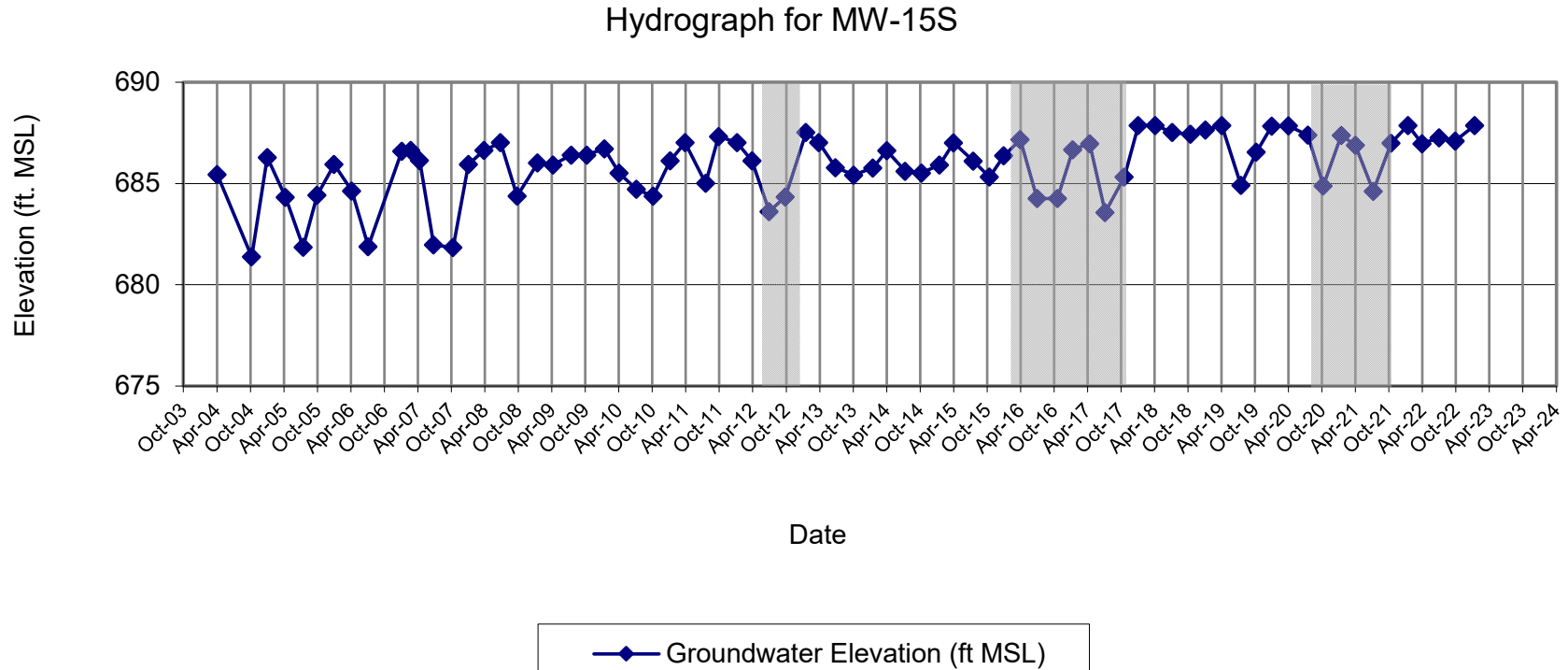
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	15.70	671.61
10/12/2004	17.42	669.89
1/6/2005	15.74	671.57
4/14/2005	16.99	670.32
7/20/2005	17.31	670.00
10/4/2005	8.94	678.37
1/5/2006	16.16	671.15
4/11/2006	16.90	670.41
7/10/2006	15.78	671.53
10/18/2006	15.50	671.81
1/9/2007	15.80	671.51
2/28/2007	4.10	683.21
4/16/2007	16.61	670.70
7/2/2007	17.20	670.11
10/16/2007	16.70	670.61
1/8/2008	8.99	678.32
4/2/2008	15.01	672.30
7/1/2008	14.64	672.98
9/30/2008	16.24	671.38
1/19/2009	15.00	672.62
4/14/2009	14.21	673.41
7/21/2009	14.61	673.01
10/14/2009	14.81	672.81
1/18/2010	16.89	670.73
4/8/2010	15.00	672.62
7/12/2010	13.00	674.62
10/11/2010	13.00	674.62
1/12/2011	15.65	671.97
4/4/2011	15.51	672.11
7/25/2011	3.73	683.89
10/3/2011	3.05	684.57
1/12/2012	15.50	672.12
4/2/2012	14.30	673.32
7/5/2012	9.81	677.81
10/11/2012	13.70	673.92
1/21/2013	15.90	671.72
4/1/2013	11.08	676.54
7/1/2013	16.04	671.58
10/9/2013	13.95	673.67
1/21/2014	15.05	672.57
4/7/2014	15.84	671.78
7/16/2014	13.51	674.11
10/14/2014	12.49	675.13
1/20/2015	15.04	672.58
4/6/2015	13.15	674.47
7/22/2015	9.92	677.70
10/19/2015	6.50	681.12
1/5/2016	13.65	673.97
4/4/2016	11.70	676.17
7/5/2016	5.85	681.52
10/24/2016	5.85	681.52
1/16/2017	13.56	673.81
4/18/2017	13.40	673.97
7/11/2017	14.06	673.31
10/23/2017	14.21	673.16
1/8/2018	13.08	674.79
4/11/2018	11.70	676.17
7/12/2018	14.19	673.68
10/19/2018	13.83	674.04
1/9/2019	13.17	674.70
4/8/2019	12.80	675.07
7/22/2019	12.66	675.21
10/14/2019	11.97	675.90
1/6/2020	10.79	677.08
4/6/2020	11.85	676.02
7/21/2020	12.61	675.26
10/13/2020	13.55	674.32
1/19/2021	8.76	679.11
4/6/2021	11.31	676.56
7/13/2021	13.10	674.77
10/18/2021	11.72	676.15
1/18/2022	11.85	676.02
4/4/2022	10.80	677.07
7/7/2022	12.30	675.57
10/3/2022	12.31	675.56
1/17/2023	11.72	676.15

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.

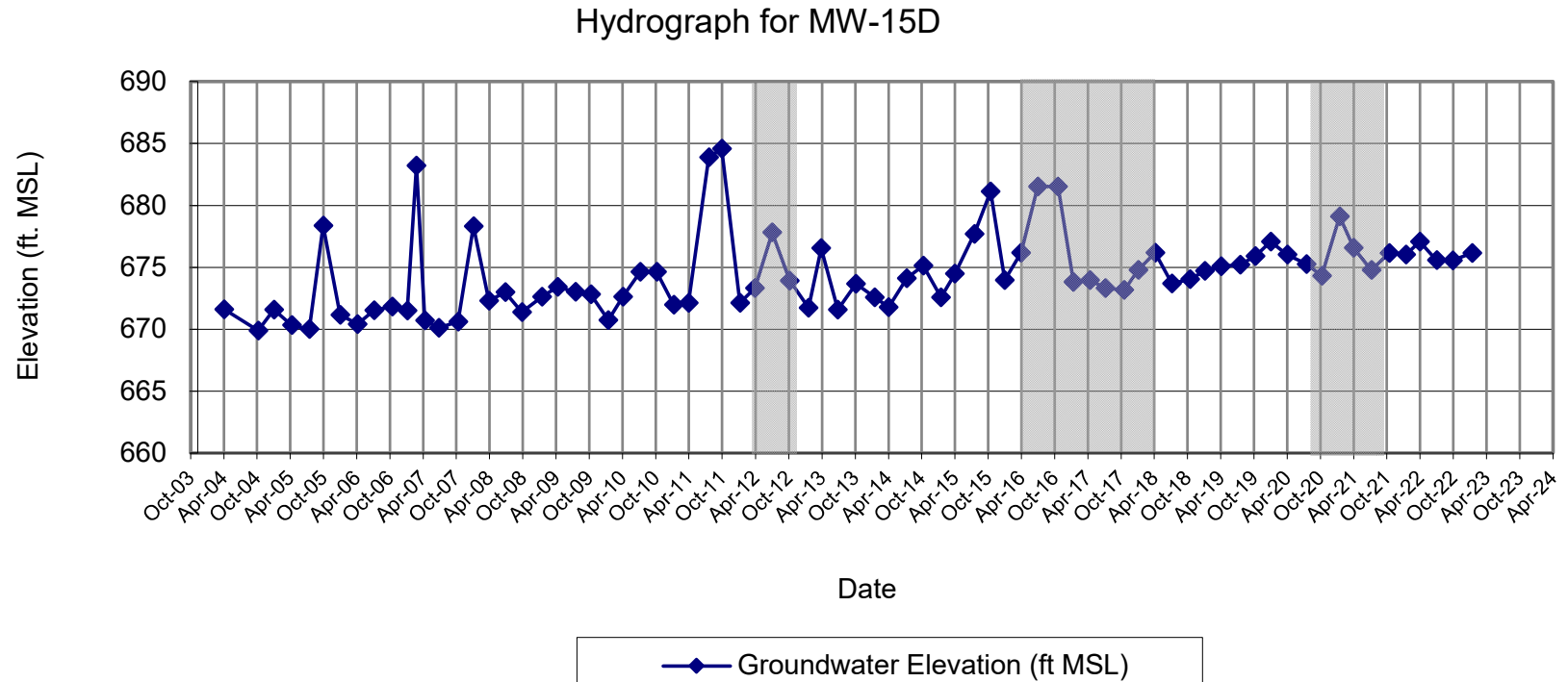
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.09	680.75
10/12/2004	12.09	673.75
1/6/2005	4.75	681.09
4/14/2005	10.15	675.69
7/20/2005	14.56	671.28
10/4/2005	11.50	674.34
1/5/2006	11.41	674.43
4/11/2006	12.90	672.94
7/10/2006	11.54	674.30
10/18/2006	12.50	673.34
1/9/2007	13.82	672.02
2/28/2007	2.90	682.94
4/16/2007	13.07	672.77
7/2/2007	12.50	673.34
10/18/2007	15.23	670.61
1/8/2008	5.60	680.24
4/2/2008	12.40	673.44
7/1/2008	15.70	674.67
9/30/2008	19.34	671.03
1/19/2009	17.80	672.57
4/14/2009	18.22	672.15
7/21/2009	19.95	670.42
10/14/2009	17.77	672.60
1/18/2010	16.45	673.92
4/8/2010	18.60	671.77
7/12/2010	18.45	671.92
10/11/2010	13.51	676.86
4/7/2011	8.55	677.29
7/25/2011	1.45	684.39
10/3/2011	0.60	685.24
1/12/2012	3.80	682.04
4/2/2012	5.85	679.99
7/5/2012	9.12	676.72
10/11/2012	6.36	679.48
1/21/2013	7.85	677.99
4/1/2013	10.15	675.69
7/1/2013	9.18	676.66
10/9/2013	3.80	682.04
1/21/2014	9.55	676.29
4/7/2014	9.60	676.24
7/16/2014	9.05	676.79
10/14/2014	3.10	682.74
1/20/2015	6.90	678.94
4/6/2015	5.50	680.34
7/22/2015	10.14	678.05
10/19/2015	5.00	683.19
1/5/2016	7.05	681.14
4/4/2016	6.38	681.77
7/5/2016	5.23	682.92
10/24/2016	5.23	682.92
1/16/2017	8.25	679.90
4/18/2017	7.28	679.90
7/11/2017	10.36	677.79
10/23/2017	8.66	679.49
1/8/2018	6.29	681.86
4/11/2018	6.71	681.44
7/12/2018	8.99	679.16
10/19/2018	10.42	677.73
1/9/2019	6.86	681.29
4/8/2019	6.02	682.13
7/22/2019	6.91	681.24
10/14/2019	6.02	682.13
1/6/2020	5.51	682.64
4/6/2020	6.83	681.32
7/21/2020	6.14	682.01
10/12/2020	8.00	680.15
1/19/2021	6.89	681.26
4/6/2021	6.60	681.55
7/13/2021	6.90	681.25
10/18/2021	3.87	684.28
1/18/2022	5.42	682.73
4/4/2022	4.95	683.20
7/7/2022	8.21	679.94
10/3/2022	5.57	682.58
1/17/2023	5.55	682.60

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.

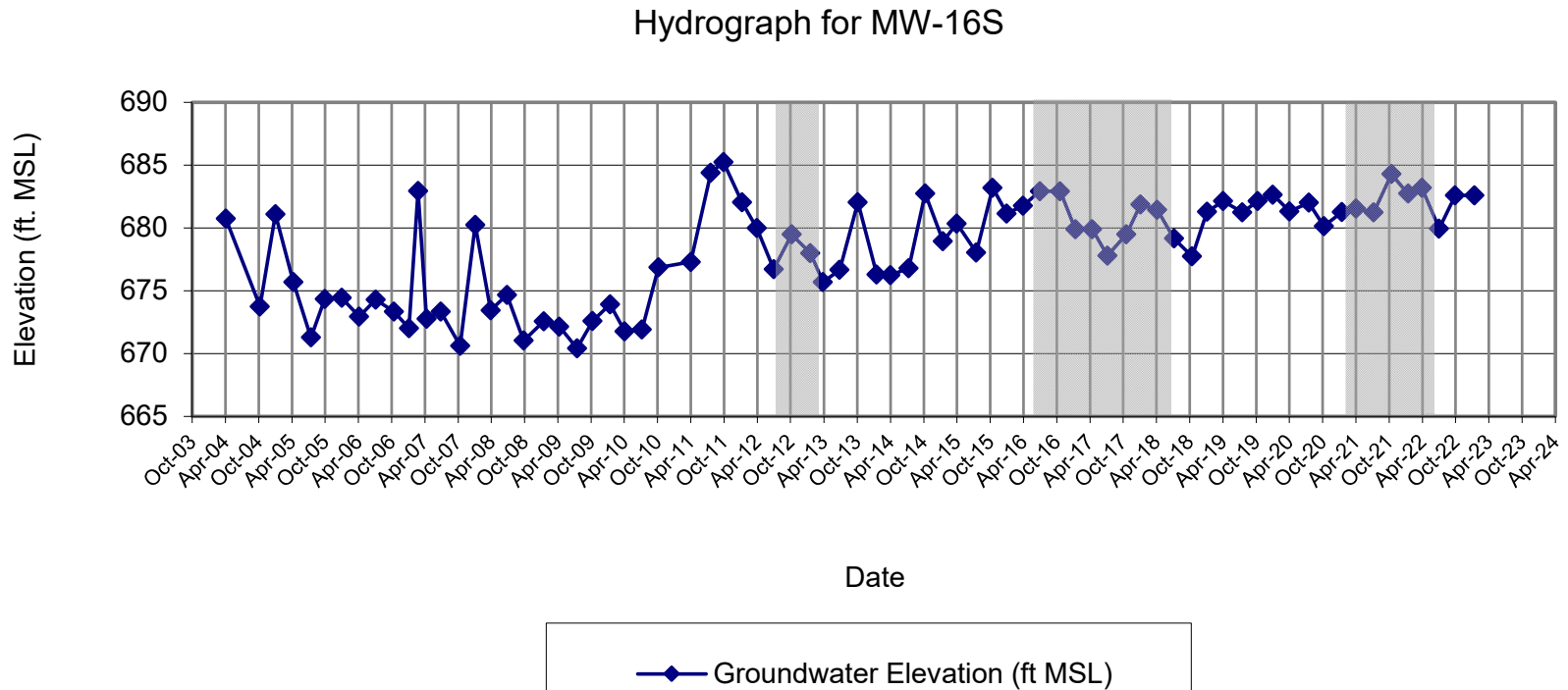
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



MONITORING WELL MW-16D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
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	17.10	668.91
7/10/2006	10.61	675.4
10/18/2006	15.41	670.6
1/9/2007	15.6	670.41
2/28/2007	2.74	683.27
4/16/2007	16.35	669.66
7/2/2007	16.85	669.16
10/18/2007	17.17	668.84
1/8/2008	8.32	677.69
4/2/2008	13.44	672.57
7/1/2008	17.72	672.83
9/30/2008	19.29	671.26
1/19/2009	17.95	672.60
4/14/2009	17.21	673.34
7/21/2009	18.28	672.27
10/14/2009	17.60	672.95
1/18/2010	19.51	671.04
4/8/2010	17.19	673.36
7/12/2010	17.15	673.40
10/11/2010	18.63	671.92
4/7/2011	13.67	672.34
7/25/2011	2.46	683.55
10/3/2011	1.70	684.31
1/12/2012	13.55	672.46
4/2/2012	12.61	673.40
7/5/2012	8.90	677.11
10/11/2012	13.38	672.63
1/21/2013	15.44	670.57
4/1/2013	12.31	673.70
7/1/2013	16.25	669.76
10/9/2013	11.40	674.61
1/21/2014	13.35	672.66
4/7/2014	15.54	670.47
7/16/2014	11.73	674.28
10/14/2014	10.04	675.97
1/20/2015	12.31	673.70
4/6/2015	10.30	675.71
7/22/2015	9.80	678.59
10/19/2015	6.40	681.99
1/5/2016	13.00	675.39
4/4/2016	11.35	676.81
7/5/2016	6.49	681.67
10/24/2016	6.49	681.67
1/16/2017	14.28	673.88
4/18/2017	13.24	673.88
7/11/2017	14.25	673.91
10/23/2017	14.72	673.44
1/8/2018	12.38	675.78
4/11/2018	11.67	676.49
7/12/2018	14.20	673.96
10/19/2018	14.32	673.84
1/9/2019	12.82	675.34
4/8/2019	11.78	676.38
7/22/2019	12.13	676.03
10/14/2019	11.32	676.84
1/6/2020	10.29	677.87
4/6/2020	11.54	676.62
7/21/2020	11.96	676.20
10/12/2020	13.19	674.97
1/19/2021	8.96	679.20
4/6/2021	10.81	677.35
7/13/2021	12.10	676.06
10/18/2021	9.55	678.61
1/18/2022	11.33	676.83
4/4/2022	10.25	677.91
7/7/2022	11.96	676.20
10/3/2022	11.14	677.02
1/17/2023	11.00	677.16

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.

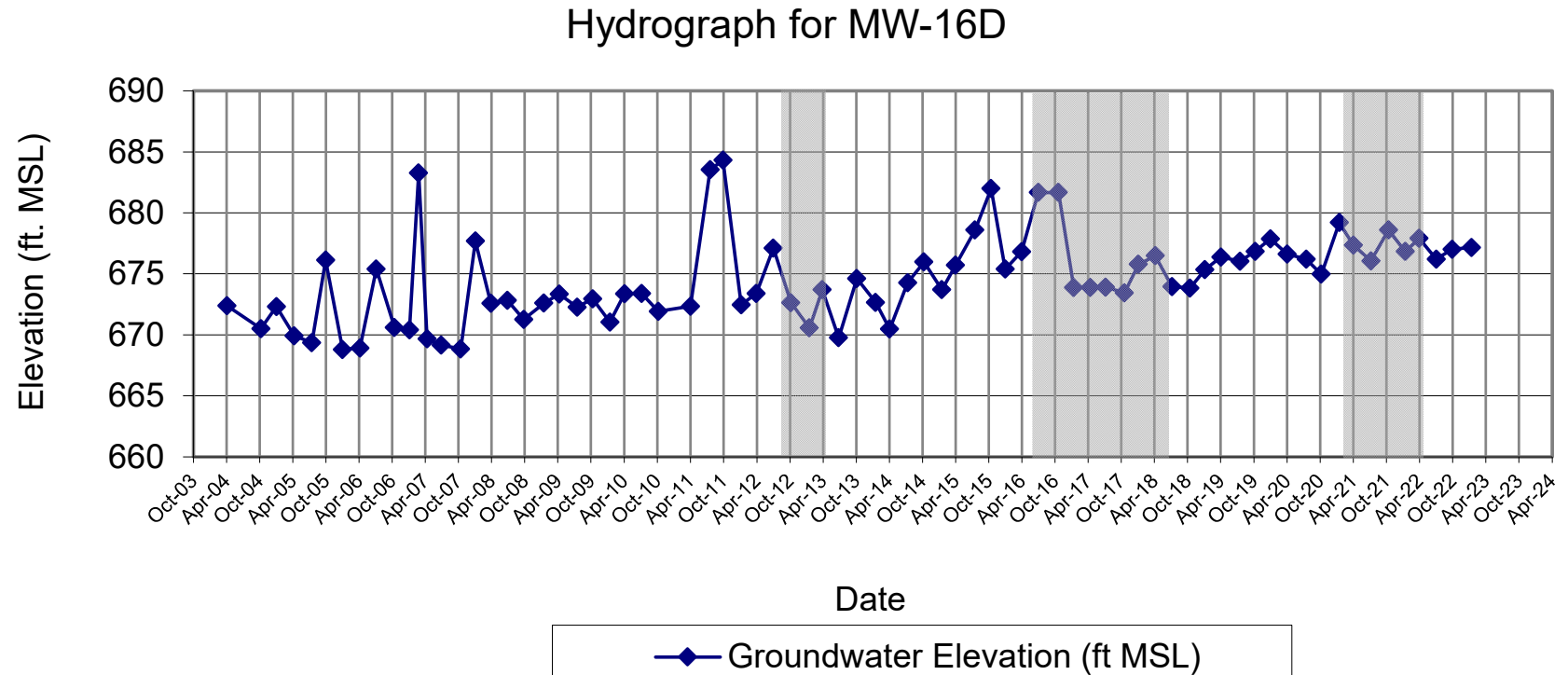
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

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 between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

DPE-3, -4, -6, -7, -8 off line between September 2021 and June 2022 to accommodate bioaugmentation injection.

MONITORING WELL MW-16D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York



Appendix C
Analytical Laboratory Data Packages
(Provided on CD)

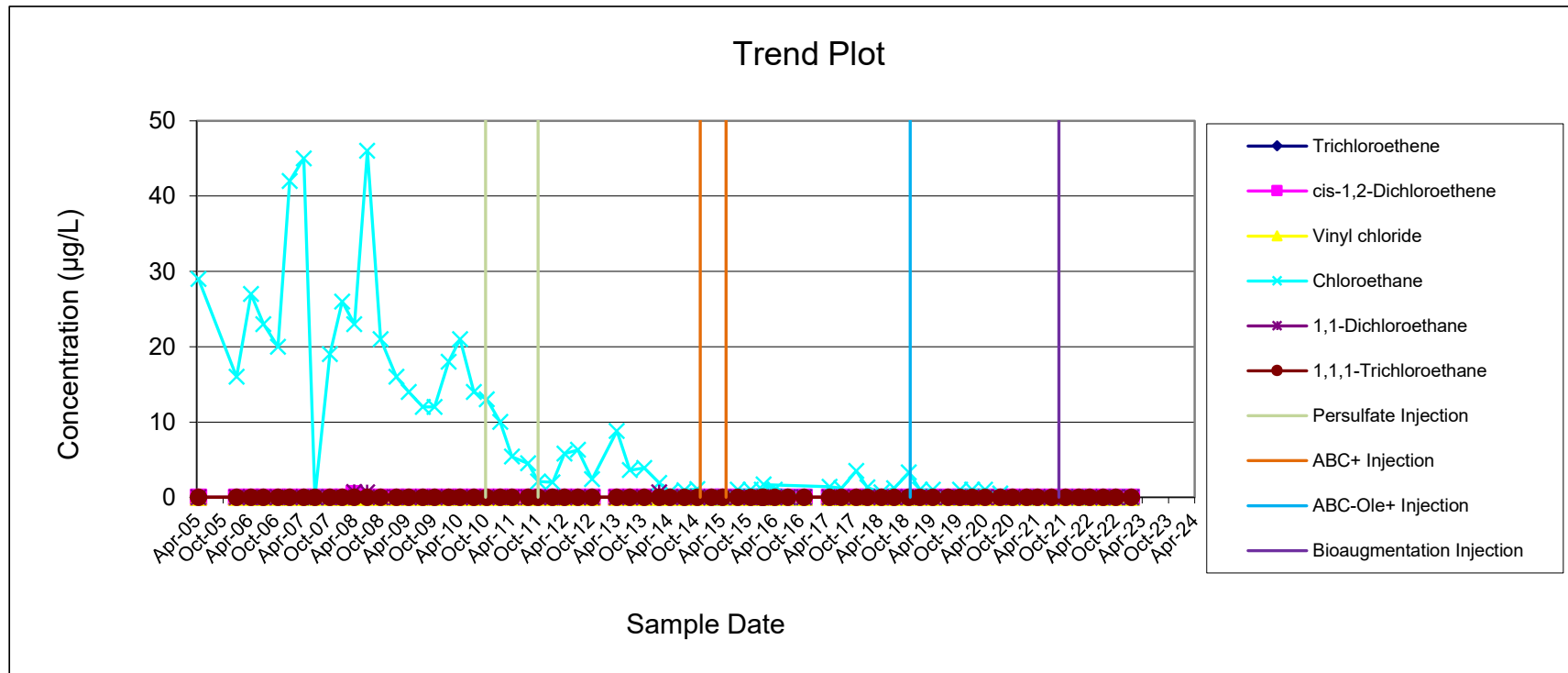
Appendix D

Current and Historical Summary of VOCs in Groundwater

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 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	0.71	< 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	2.0	<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	1.0	<1	<1
10/19/2015	<1	<1	<1	1.0	<1	<1
1/5/2016	<1	<1	<1	1.0	<1	<1
4/4/2016	<1	<1	<1	1.0	<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
4/8/2019	<1	<1	<1	1.0	<1	<1
7/23/2019	<2	<2	<2	<2	<2	<2
10/15/2019	<1	<1	<1	1.0	<1	<1
1/7/2020	<1	<1	<1	1.0	<1	<1
4/6/2020	<1	<1	<1	1.0	<1	<1
7/21/2020	<1	<1	<1	0.52	<1	<1
10/14/2020	<2	<2	<2	<2	<2	<2
1/19/2021	<1	<1	<1	<1	<1	<1
4/6/2021	<1	<1	<1	<1	<1	<1
7/13/2021	<2	<2	<2	<2	<2	<2
10/18/2021	<2	<2	<2	<2	<2	<2
1/19/2022	<2	<2	<2	<2	<2	<2
4/4/2022	<1	<1	<1	<1	<1	<1
7/7/2022	<2	<2	<2	<2	<2	<2
10/3/2022	<2	<2	<2	<2	<2	<2
1/18/2023	<2	<2	<2	<2	<2	<2

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

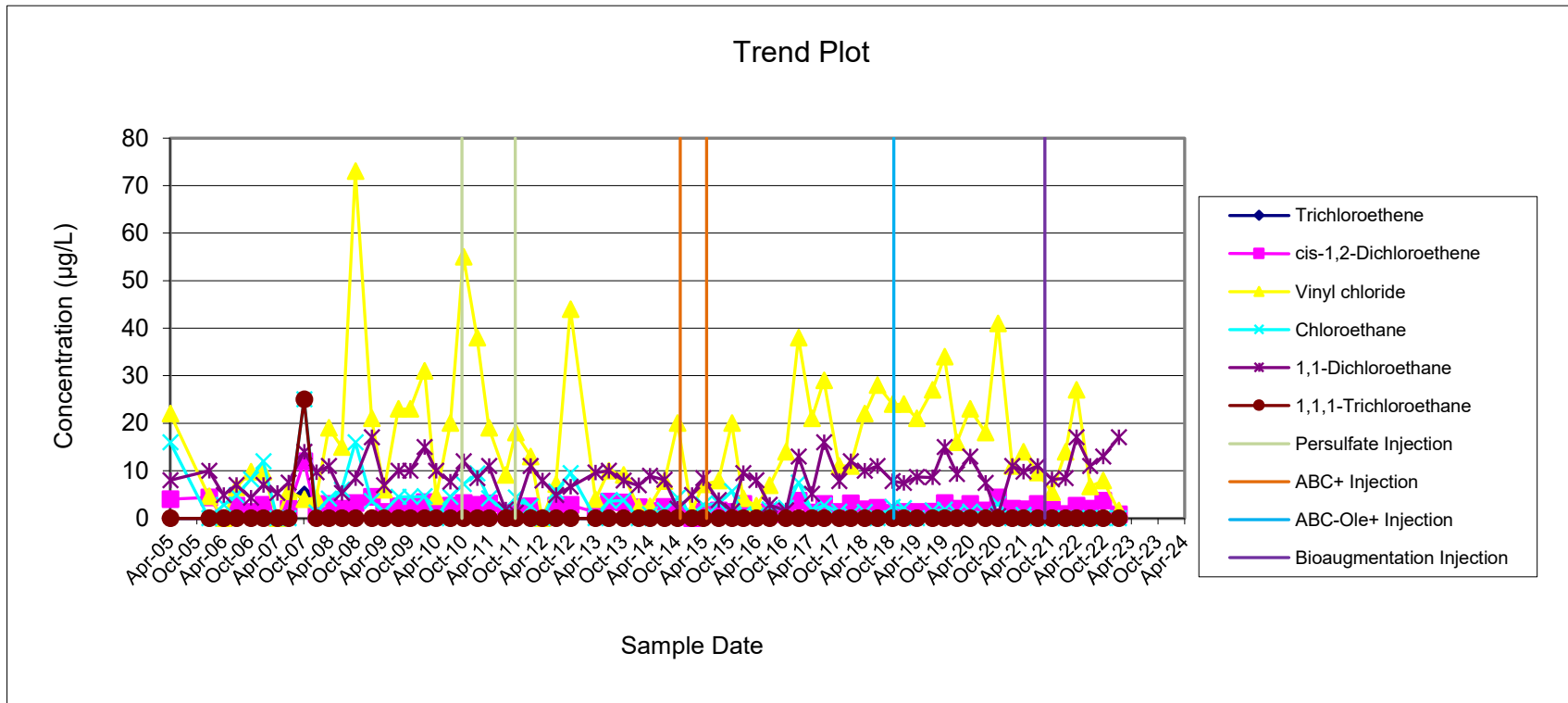


Note TCE data from 10/11/10 was reported in error as 350 µg/L and cis-1,2-DCE was reported as 25 µg/L.

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4.0	22	16	8.0	<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	7.0	< 25
10/18/2006	< 5	1.3	9.8	8.2	4.3	< 5
1/10/2007	< 5	2.8	9.8	12	7.0	< 5
4/16/2007	< 20	< 20	< 20	< 20	5.3	< 20
7/2/2007	< 5	2.0	5.7	< 5	7.5	< 5
10/17/2007	5.0	12	4.0	25	14	25
1/9/2008	< 5	0.9	4.2	1.2	9.7	<5
4/3/2008	<5	3.0	19	4.1	11	<5
7/1/2008	<5	2.0	15	6.0	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	6.0	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	4.0	<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	2.0	<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	3.0	4.2	0.83	9.5	<1
4/5/2016	<1	0.98	2.6	0.58	8	<1
7/5/2016	<1	1.3	6.9	1.9	2.8	<1
10/25/2016	<1	0.81	14	2.2	1.6	<1
1/19/2017	<1	3.7	38	7.5	13	<1
4/20/2017	<1	1.2	21	1.8	5.1	<1
7/12/2017	<1	3.0	29	2.7	16	<1
10/23/2017	<1	1.3	11	1.4	7.8	<1
1/10/2018	<1	3.1	11	0.72	12	<1
4/17/2018	<1	1.9	22	1.3	10	<1
7/13/2018	<1	2.2	28	<1	11	<1
10/24/2018	<1	1.1	24	2.4	7.8	<1
1/9/2019	<1	1.3	24	2.1	7.4	<1
4/8/2019	<1	1.3	21	<1	8.7	<1
7/24/2019	<1	1.4	27	1.6	8.6	<1
10/15/2019	<1	3.2	34	1.8	15	<1
1/7/2020	<1	2.0	16	1.1	9.3	<1
4/6/2020	<1	3.0	23	1.4	13	<1
7/21/2020	<1	1.6	18	1.0	7.4	<1
10/13/2020	<1	4.4	41	3.0	0.47	<1
1/19/2021	<1	2.0	11	<1	11	<1
4/6/2021	<1	1.9	14	0.70	9.8	<1
7/13/2021	<1	3.0	9.6	<1	11	<1
10/18/2021	<1	1.8	5.5	<1	8.2	<1
1/19/2022	<1	0.86	14	<1	8.4	<1
4/4/2022	<1	2.6	27	<1	17	<1
7/7/2022	<1	2.0	6.7	<1	11	<1
10/3/2022	<1	3.7	7.9	<1	13	<1
1/18/2023	<1	0.8	1.6	<1	17	<1

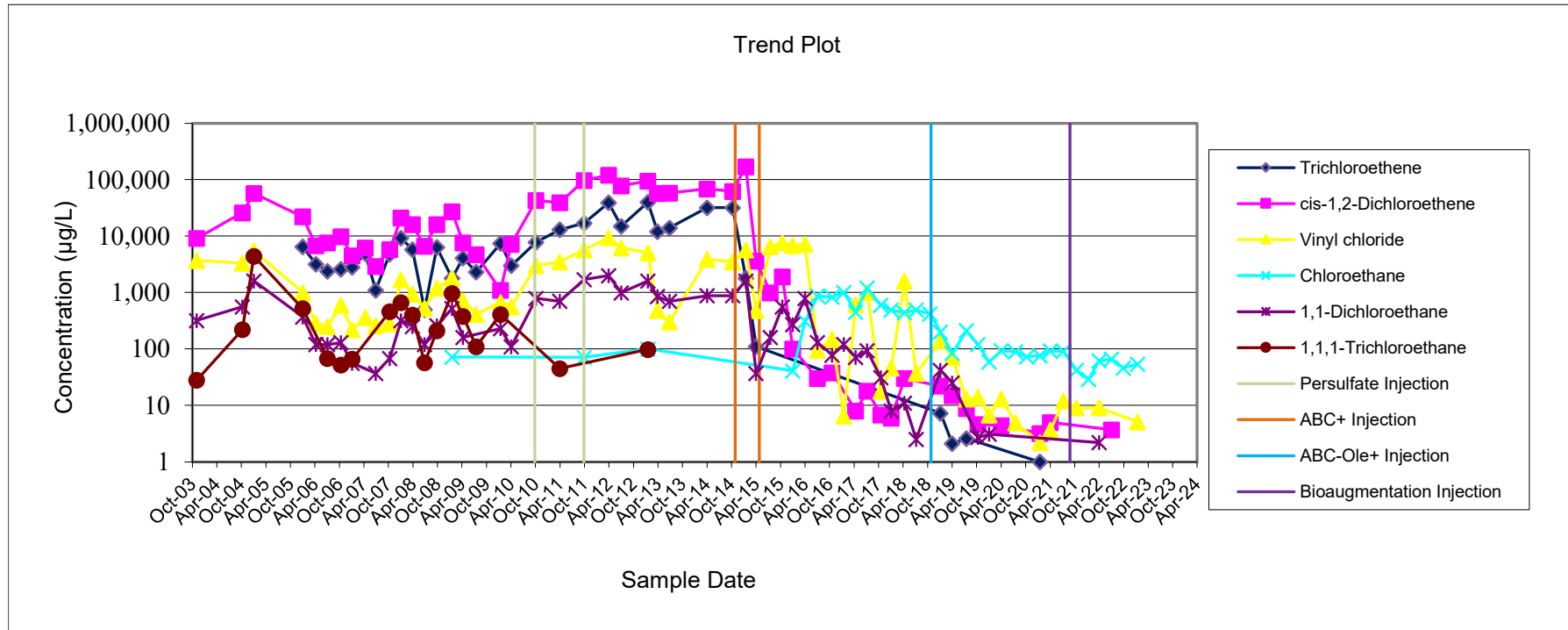
MONITORING WELL MW-3
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	5,700	<1,000	1,600	<1000
4/7/2015	110	3,600	480	<80	37	<80
7/23/2015	<100	990	6,500	<100	160	<100
10/20/2015	<100	1,900	7,600	<100	560	<100
1/6/2016	<100	100	6,800	41	270	<100
4/6/2016	<100	<100	7,200	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	6.5	1,000	120	<20
4/18/2017	<5	8.0	610	450	71	<5
7/13/2017	<20	18	1,000	1,200	93	<20
10/23/2017	<20	6.8	18	600	31	<20
1/8/2018	<5	6.0	46	490	8.0	<5
4/17/2018	<20	30	1,600	440	11	<20
7/13/2018	<5	<5	37	490	2.5	<5
10/24/2018	<20	<20	<20	420	<20	<20
1/10/2019	7.3	22	140	200	42	<4
4/8/2019	2.1	15	71	84	25	<4
7/22/2019	2.6	8.8	13	210	<4	<4
10/17/2019	<4	4.6	14	120	2.7	<4
1/8/2020	<4	<4	6.8	59	3.1	<4
4/8/2020	<4	4.4	13.0	93	<4	<4
7/23/2020	<4	<4	4.9	89	<4	<4
10/14/2020	<4	<4	<4	73	<4	<4
1/20/2021	1.0	3.2	2.2	76	<1	<1
4/8/2021	<4	5.0	3.7	92	<4	<4
7/15/2021	<4	<4	12	91	<4	<4
10/19/2021	<4	<4	9.0	42	<4	<4
1/18/2022	<4	<4	<4	29	<4	<4
4/6/2022	<4	<4	9.1	62	2.2	<4
7/8/2022	<4	3.7	<4	66	<4	<4
10/3/2022	<4	<4	<4	46	<4	<4
1/18/2023	<4	<4	5	54	<4	<4

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



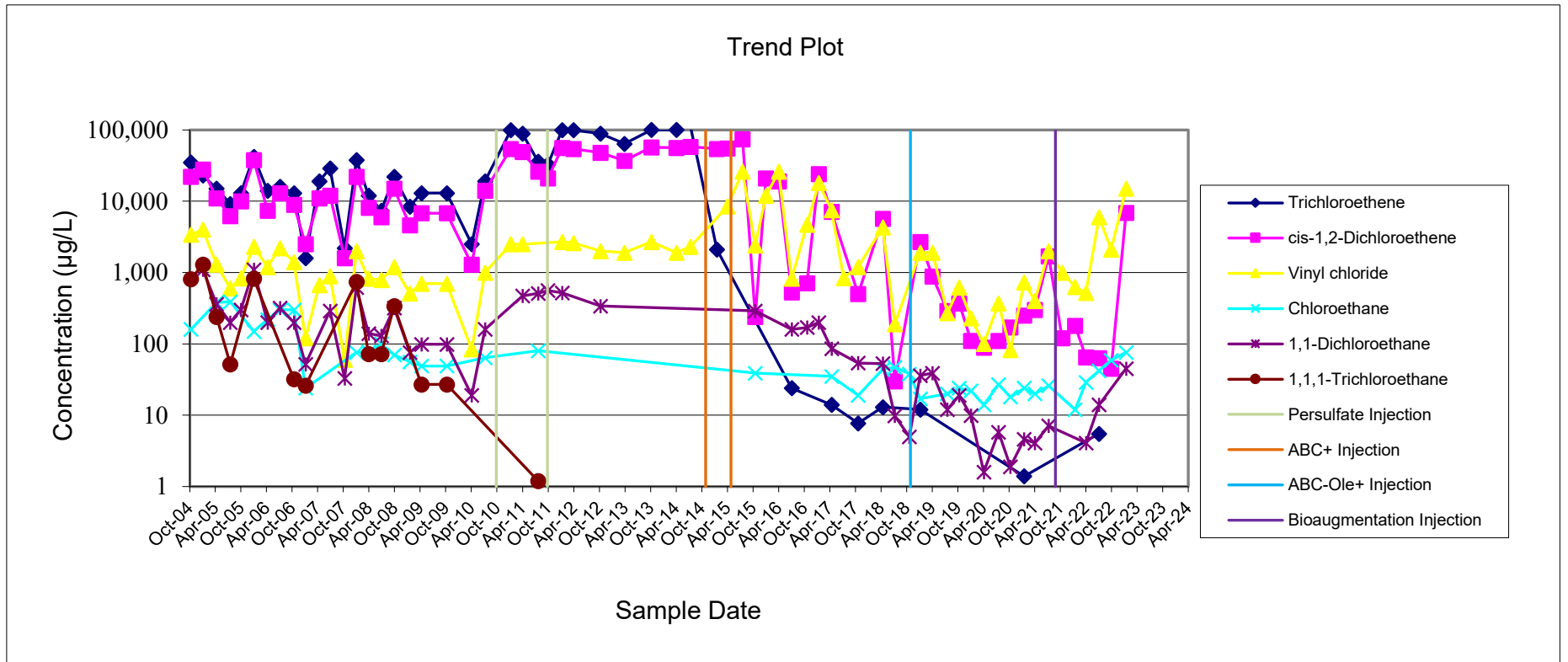
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

MONITORING WELL MW-8R
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
10/13/2004	35,000	22,000	3,400	160	< 5,000	810
1/7/2005	23,000	28,000	4,000	< 2,000	1,100	1,300
4/14/2005	15,000	11,000	1,300	380	360	240
7/21/2005	9,200	6,200	600	390	200	52
10/5/2005	13,000	10,000	830	< 1,000	300	<1,000
1/6/2006	42,000	38,000	2,300	150	1100	820
4/14/2006	14,000	7,400	1,200	220	200	< 1,000
7/10/2006	16,000	13,000	2,200	300	320	< 1,000
10/18/2006	13,000	8,900	1,400	300	200	32
1/10/2007	1,600	2,500	120	24	52	26
4/17/2007	19,000	11,000	670	< 1,000	< 1,000	< 1,000
7/3/2007	29,000	12,000	890	< 1,000	290	< 1,000
10/15/2007	2,200	1,600	60	< 200	33	< 200
1/8/2008	38,000	22,000	2,000	76	620	740
4/3/2008	12,000	8,100	820	77	140	72
7/2/2008	7,400	6,000	790	100	130	72
10/2/2008	22,000	15,000	1,200	70	320	340
1/22/2009	8,400	4,600	510	56	76	<100
4/15/2009	13,000	6,800	700	49	99	27
10/13/2009	13,000	6,800	700	49	99	27
4/8/2010	2,500	1,300	84	<100	19	<100
7/12/2010	19,000	14,000	1,000	64	160	<100
1/12/2011	99,000	54,000	2,500	<2000	<2000	<2000
4/6/2011	89,000	49,000	2,500	<800	470	<800
7/26/2011	36,000	26,000	<800	80	510	1.2
10/4/2011	33,000	21,000	<400	<400	560	<400
1/13/2012	99,000	56,000	2,700	<800	520	<800
4/3/2012	99,000	54,000	2,600	<2000	<2000	<2000
10/12/2012	89,000	48,000	2,000	<800	340	<800
4/2/2013	64,000	37,000	1,900	<1000	<1000	<1000
10/10/2013	100,000	57,000	2,700	<1000	<1000	<1000
4/7/2014	100,000	56,000	1,900	<1000	<1000	<1000
7/17/2014	110,000	58,000	2,300	<1000	<1000	<1000
1/21/2015	2,100	54,000	<2000	<2000	<2000	<2000
4/6/2015	<2000	55,000	8,500	<2000	<2000	<2000
7/23/2015	<200	74,000	26,000	<200	<200	<200
10/21/2015	<25	240	2,400	39	290	<25
1/6/2016	<1,000	21,000	12,000	<1,000	<1,000	<1,000
4/6/2016	<1,000	19,000	26,000	<1,000	<1,000	<1,000
7/8/2016	24	530	820	<20	160	<20
10/25/2016	<100	710	4,700	<100	170	<100
1/17/2017	<100	24,000	18,000	<100	200	<100
4/18/2017	14	7,100	7,500	35	86	<50
7/13/2017	<400	<400	840	<400	<400	<400
10/24/2017	7.7	500	1,200	19	54	<10
4/18/2018	13	5,700	4,300	44	53	<20
7/13/2018	<10	30	190	47	9.8	<10
10/24/2018	<10	<10	<10	38	5.0	<10
1/10/2019	12	2,700	1,900	17	36	<10
4/8/2019	<40	880	1,900	<40	39	<40
7/22/2019	<8	290	270	20	12	<8
10/15/2019	<10	370	620	24	19	<10
1/8/2020	<10	110	230	22	9.9	<10
4/6/2020	<2	89	100	14	1.6	<2
7/22/2020	<2	110	370	27	5.8	<2
10/14/2020	<2	170	82	18	1.9	<2
1/20/2021	1.4	250	730	24	4.6	<1
4/7/2021	<10	300	400	20	4.1	<10
7/14/2021	<8	1,700	2,000	26	7.1	<8
10/19/2021	<25	120	1,000	<25	<25	<25
1/18/2022	<25	180	630	12	<25	<25
4/6/2022	<8	65	520	29	4.1	<8
7/8/2022	5.5	63	6,000	42	14.0	<8
10/3/2022	<40	45	2,100	59	<40	<40
1/18/2023	<40	6,900	15,000	76	45	<40

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



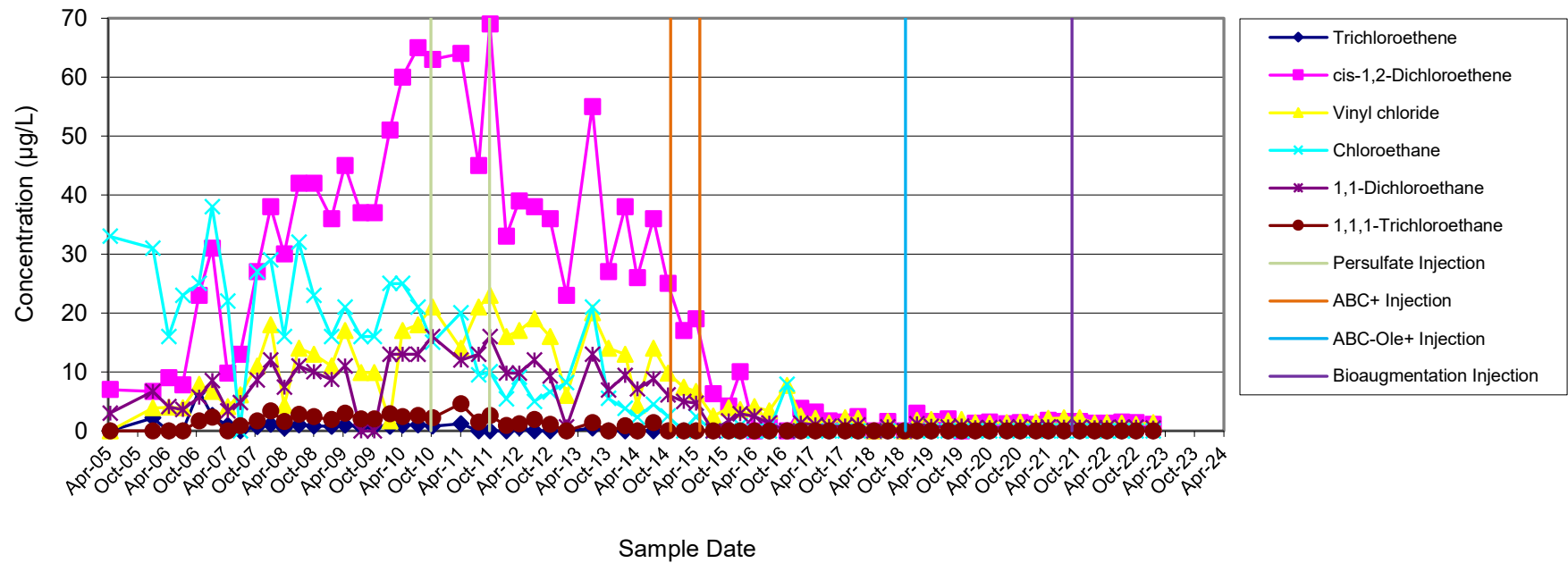
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7	< 10	33	3.0	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9.0	4.0	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	1.0	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	3.0
7/22/2009	0.69	37	9.9	16	<5	2.0
10/13/2009	0.69	37	9.9	16	<5	2.0
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	1.0	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	6.0	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	1.0	<1
7/12/2017	<1	1.7	1.3	<1	0.78	<1
10/20/2017	<1	1.5	2.2	<1	0.79	<1
1/8/2018	<1	2.4	2.1	<1	0.99	<1
4/18/2018	<2	<2	<2	<2	<2	<2
7/12/2018	<1	1.6	1.6	<1	0.68	<1
10/24/2018	<4	<4	<4	<4	<4	<4
1/9/2019	<1	3.0	1.8	<1	1.2	<1
4/8/2019	<1	1.6	1.9	<1	0.75	<1
7/23/2019	<1	2.0	1.7	<1	0.68	<1
10/15/2019	<1	<1	1.9	<1	0.82	<1
1/7/2020	<1	1.3	1.4	<1	0.54	<1
4/6/2020	<1	1.5	1.3	<1	0.54	<1
7/21/2020	<1	1.2	1.4	<1	0.59	<1
10/13/2020	<1	1.4	1.5	<1	0.64	<1
1/19/2021	<1	1.1	1.5	<1	0.58	<1
4/6/2021	<1	1.8	2.1	<1	0.66	<1
7/13/2021	<1	1.6	2.2	<1	0.61	<1
10/18/2021	<1	1.6	2.2	<1	0.61	<1
1/19/2022	<1	1.3	1.3	<1	0.54	<1
4/5/2022	<1	1.3	1.4	<1	0.52	<1
7/7/2022	<1	1.5	1.3	<1	0.59	<1
10/3/2022	<1	1.4	1.1	<1	0.61	<1
1/18/2023	<1	1.1	1.4	<1	0.46	<1

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

Trend Plot



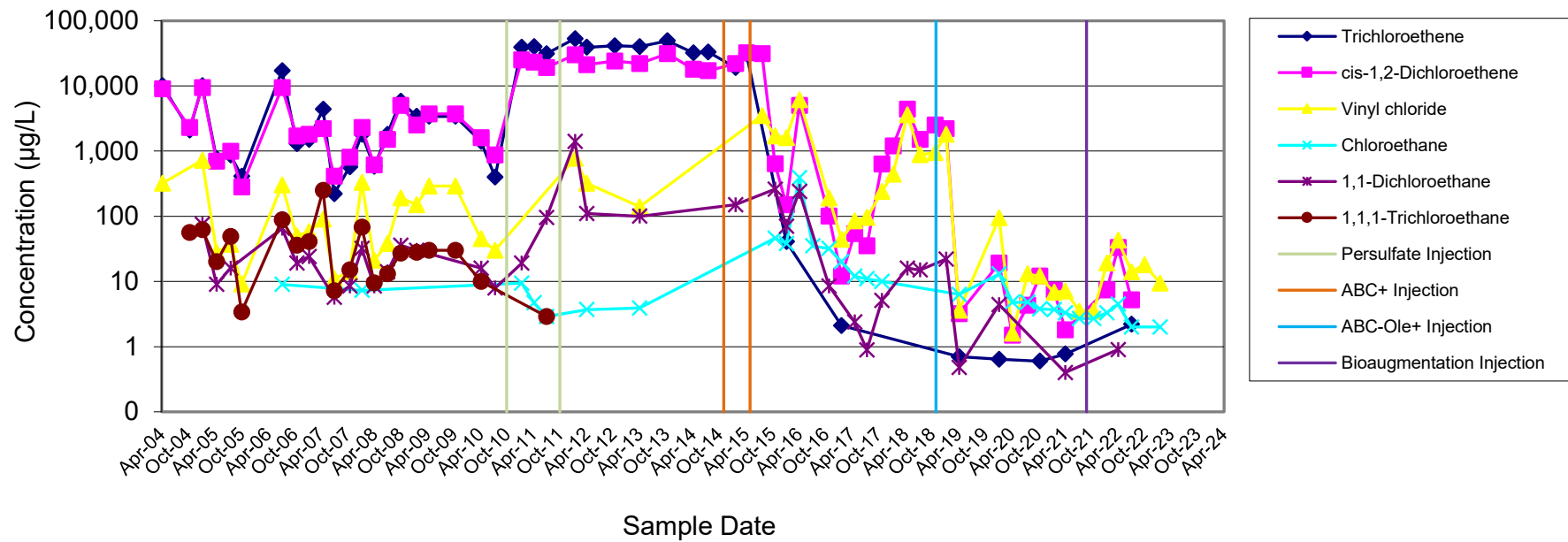
PIEZOMETER MW-13S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	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	9.0	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	9.0	65	88
10/19/2006	1,300	1,700	50	<100	19	36
1/10/2007	1,500	1,800	58	<100	24	41
4/17/2007	4,400	2,200	90	< 250	< 250	250
7/3/2007	220	410	11	< 25	5.7	7.2
10/18/2007	570	800	14	< 25	8.5	15
1/9/2008	1800	2300	330	7.3	32	68
4/3/2008	580	610	21	<50	8.5	9.5
7/2/2008	1,800	1,500	38	<120	14	13
10/2/2008	5,800	5,000	190	<120	36	27
1/20/2009	3,400	2,500	150	<10	30	28
4/15/2009	3,400	3,700	290	<40	<40	30
10/13/2009	3,400	3,700	290	<40	<40	30
4/7/2010	1,400	1,600	45	<50	16	10
7/13/2010	400	870	30	<50	7.9	<50
1/12/2011	39,000	25,000	<500	9.4	19	<1
4/6/2011	40,000	23,000	<800	4.7	<800	<800
7/2/2011	31,000	19,000	<800	2.9	95	2.9
1/13/2012	53,000	30,000	770	<800	1400	<800
4/3/2012	39,000	21,000	320	3.7	110	<1
10/12/2012	41,000	24,000	<800	<800	<800	<800
4/2/2013	40,000	22,000	140	3.9	100	<1
10/10/2013	49,000	31,000	<1	<1	<1	<1
4/7/2014	32,000	18,000	<500	<500	<500	<500
7/17/2014	33,000	17,000	<500	<500	<500	<500
1/21/2015	19,000	22,000	<500	<500	150	<500
4/7/2015	31,000	32,000	<500	<500	<500	<500
7/23/2015	<500	31,000	3,500	<500	<500	<500
10/20/2015	<10	640	1,700	46	260	<10
1/6/2016	41	150	1,600	38	70	<25
4/5/2016	<100	5,000	6,100	390	240	<100
7/6/2016	<4	<4	<4	35	<4	<4
10/25/2016	<2	100	190	32	8.5	<2
1/19/2017	2.1	12	44	20	<2	<2
4/19/2017	<1	54	85	12	2.4	<1
7/13/2017	<2	35	95	11	0.89	<2
10/24/2017	<5	630	240	10	5.1	<5
1/9/2018	<40	1,200	440	<40	<40	<40
4/17/2018	<40	4,400	3,600	<40	16	<40
7/13/2018	<40	1,500	880	<40	15	<40
10/24/2018	<40	2,500	940	<40	<40	<40
1/9/2019	<40	2,200	1,800	<40	22	<40
4/8/2019	0.7	3.2	3.6	6.3	0.48	<1
1/8/2020	0.64	19	94	13	4.4	<1
4/8/2020	<1	1.5	1.6	4.8	<1	<1
7/22/2020	<1	4.3	13	4.8	<1	<1
10/13/2020	0.60	12	12	3.8	<1	<1
1/20/2021	<1	7.3	6.8	3.7	<1	<1
4/7/2021	0.77	1.8	7.1	3.3	0.40	<1
7/14/2021	<2	<2	3.5	2.7	<2	<2
10/19/2021	<2	<2	3.5	2.7	<2	<2
1/18/2022	<2	7.4	19	3.3	<2	<2
4/5/2022	<2	33	43	4.5	0.90	<2
7/7/2022	2.2	5.2	14	2	<1	<1
10/4/2022	<2	<2	18	<2	<2	<2
1/19/2023	<2	<2	9.4	2.0	<2	<2

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

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

Trend Plot

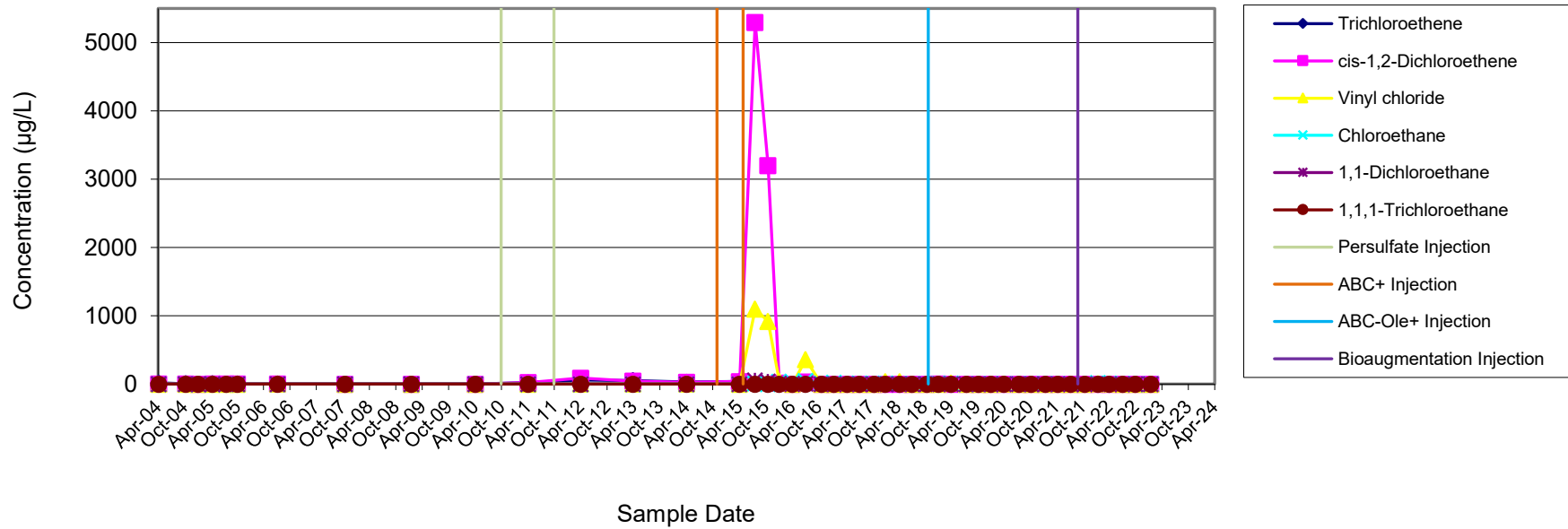


PIEZOMETER MW-13D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2.0	<10	<10	<10	<10
10/12/2004	7.0	2.0	<10	<10	<10	<10
1/6/2005	<10	<10	<10	<10	<10	<10
4/15/2005	8.0	4.0	<10	<10	<10	<10
7/20/2005	1.0	2.0	<5	<5	<5	<5
10/4/2005	1.4	1.5	<5	<5	<5	<5
7/10/2006	2.0	1.6	2.6	<5	<5	<5
10/18/2007	<5	0.55	1.1	<5	<5	<5
1/20/2009	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
4/6/2011	22	23	<1	<1	<1	<1
4/3/2012	62	89	2.3	<1	<1	<1
4/1/2013	53	44	2.9	<1	<1	<1
4/7/2014	30	28	1.9	<1	<1	<1
4/7/2015	40	37	<1	<1	<1	<1
7/23/2015	2	5300	1100	11	56	<1
10/20/2015	<100	3200	920	<100	42	<100
1/6/2016	<10	15	47	38	12	<10
4/6/2016	<10	<10	<10	36	<10	<10
7/6/2016	<10	34	360	51	7.8	<10
10/25/2016	0.47	1	<1	12	<1	<1
1/19/2017	<1	<1	<1	25	<1	<1
4/19/2017	<1	0.87	<1	9	<1	<1
7/13/2017	<1	<1	<1	13	<1	<1
10/24/2017	<1	<1	<1	6.9	<1	<1
1/9/2018	<1	1.1	39	9.9	0.73	<1
4/18/2018	<1	1	39	6.5	<1	<1
7/13/2018	<1	<1	<1	5.5	<1	<1
10/24/2018	<1	<1	<1	4.2	<1	<1
1/10/2019	<1	1.6	1.2	7.4	<1	<1
4/8/2019	<1	<1	18	9.8	<1	<1
7/24/2019	<1	<1	<1	0.73	<1	<1
10/15/2019	<1	<1	<1	4.5	<1	<1
1/8/2020	<1	<1	<1	2.5	<1	<1
4/8/2020	<1	<1	4.0	2.9	<1	<1
7/22/2020	<1	<1	<1	2.8	<1	<1
10/13/2020	<1	<1	<1	3.5	<1	<1
1/20/2021	<1	<1	<1	2.4	<1	<1
4/15/2021	<1	<1	<1	2.6	<1	<1
7/14/2021	<1	<1	<1	2.2	<1	<1
10/19/2021	<1	<1	<1	2.2	<1	<1
1/18/2022	<1	<1	9.2	19	<1	<1
4/5/2022	<1	<1	1.4	12	<1	<1
7/7/2022	<1	<1	<1	7.8	<1	<1
10/4/2022	<1	<1	<1	<1	<1	<1
1/19/2023	<1	<1	<1	4.7	<1	<1

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

Trend Plot

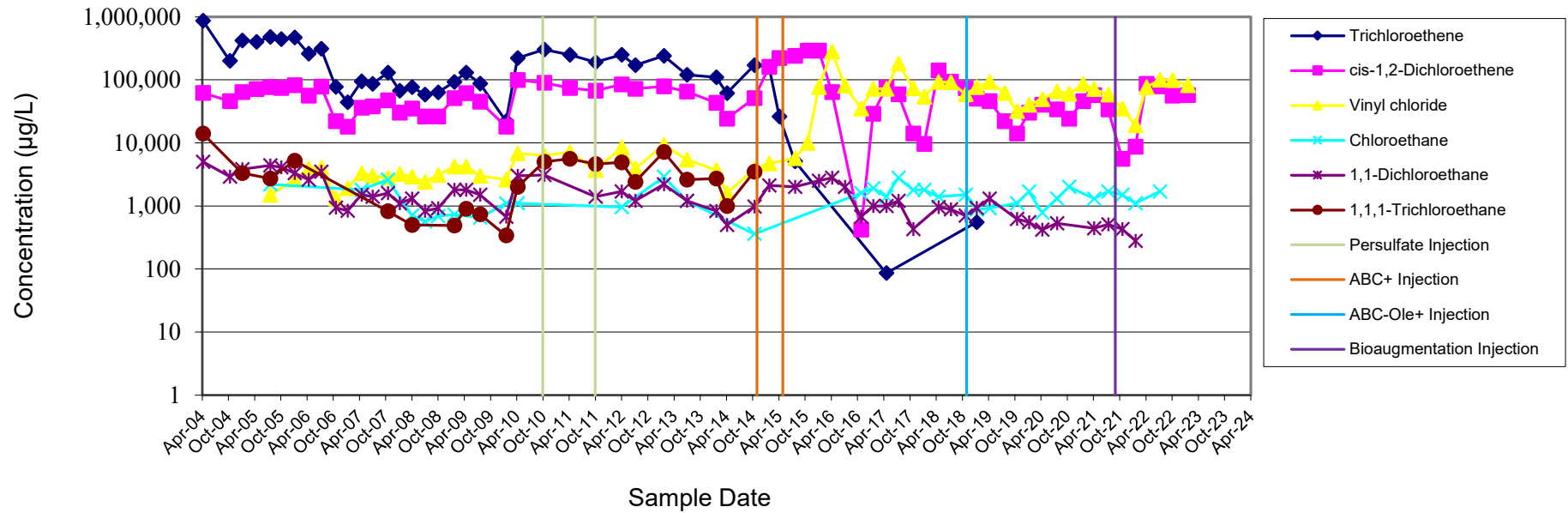


PIEZOMETER MW-16S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	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	130,000	47,000	2,800	2,600	1,600	820
1/8/2008	67,000	30,000	3,200	<5,000	1,100	<5,000
4/3/2008	76,000	35,000	2,900	710	1,300	500
7/2/2008	58,000	26,000	2,400	570	830	<5,000
10/2/2008	63,000	26,000	3,100	690	920	<5,000
1/22/2009	92,000	51,000	4,200	730	1,800	490
4/15/2009	130,000	61,000	4,200	<2,000	1,800	900
7/22/2009	87,000	45,000	3,000	650	1,500	740
1/19/2010	22,000	18,000	2,600	1,100	670	340
4/8/2010	220,000	99,000	6,800	1,100	3,000	2,000
10/11/2010	300,000	90,000	6,300	<20,000	3,100	5,000
4/7/2011	250,000	74,000	7,100	<4,000	<4,000	5,600
10/4/2011	190,000	67,000	3,700	<800	1,400	4,600
4/3/2012	250,000	84,000	8,400	960	1,700	4,900
7/6/2012	170,000	72,000	3,900	<2000	1,200	2,400
1/21/2013	240,000	79,000	9,300	2,900	2,200	7,200
7/1/2013	120,000	65,000	5,400	1,200	1,200	2,600
1/22/2014	110,000	43,000	3,700	<2,000	830	2,700
4/7/2014	61,000	24,000	1,600	<1000	500	1,000
10/14/2014	170,000	51,000	3,800	360	980	3,500
1/26/2015	160,000	160,000	4,700	<4,000	2,100	<4,000
4/7/2015	26,000	220,000	<4,000	<4,000	<4,000	<4,000
7/24/2015	5,100	240,000	5,700	<4,000	2,000	<4,000
10/20/2015	<4,000	290,000	10,000	<4,000	<4,000	<4,000
1/6/2016	<4,000	290,000	76,000	<4,000	2,500	<4,000
4/7/2016	<4,000	64,000	280,000	<4,000	2,800	<4,000
7/5/2016	<2,000	<2,000	80,000	<2,000	2,000	<2,000
10/26/2016	<500	420	35,000	1,600	670	<500
1/19/2017	<500	29,000	72,000	1,900	1,000	<500
4/20/2017	86	75,000	72,000	1,400	1,000	<200
7/13/2017	<1,000	59,000	180,000	2,800	1,200	<200
10/24/2017	<500	14,000	73,000	1,800	430	<500
1/9/2018	<1,000	9,600	54,000	1,800	<1,000	<1,000
4/18/2018	<1,000	140,000	92,000	1,400	960	<1,000
7/13/2018	<1,000	93,000	91,000	<1,000	880	<1,000
10/25/2018	<1,000	73,000	59,000	1,500	700	<1,000
1/9/2019	550	50,000	76,000	870	930	<1,000
4/9/2019	<1,000	46,000	92,000	920	1,300	<1,000
7/23/2019	<2,500	22,000	62,000	<2,500	<2,500	<2,500
10/17/2019	<1,000	14,000	32,000	1,100	620	<1,000
1/9/2020	<1,000	30,000	40,000	1,700	550	<1,000
4/10/2020	<1	40,000	49,000	780	420	<1
7/23/2020	<1,000	34,000	66,000	1,300	530	<1,000
10/14/2020	<1,000	24,000	60,000	2,000	<1,000	<1,000
1/20/2021	<1,000	46,000	85,000	<1,000	<1,000	<1,000
4/7/2021	<1,000	57,000	71,000	1,300	440	<1,000
7/14/2021	<1,000	34,000	58,000	1,700	510	<1,000
10/20/2021	<1,000	5,600	35,000	1,500	430	<1,000
1/20/2022	<1,000	8,700	19,000	1,100	280	<1,000
4/7/2022	<2,000	86,000	76,000	<2,000	<2,000	<2,000
7/8/2022	<1,000	79,000	100,000	1,700	<1,000	<1,000
10/4/2022	<2,000	56,000	99,000	<2,000	<2,000	<2,000
1/19/2023	<2,000	57,000	82,000	<2,000	<2,000	<2,000

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

Trend Plot



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	9.0	27	39	22	15	<10
4/15/2005	32	36	17	100	10	<10
7/21/2005	25	12	4.0	84	2.0	<10
10/5/2005	1.3	16	10	41	5.0	<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	6.0	<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	<1
4/8/2019	<2	5.0	37	72	3.6	<2
7/22/2019	<1	2.0	6.5	39	2.1	<1
10/17/2019	<1	1.8	2.3	76	1.3	<1
1/9/2020	<1	4.0	2.5	86	1.4	<1
4/9/2020	<1	2.8	1.6	58	<1	<1
7/23/2020	<1	5.0	2.4	59	1.5	<1
10/14/2020	<1	<1	<1	31	<1	<1
1/20/2021	0.85	10	3.3	34	1.2	<1
4/7/2021	<1	2.5	2.7	50	0.84	<1
7/14/2021	1.5	12	16	73	2.0	<1
10/20/2021	<1	0.91	1.5	58	0.91	<1
1/20/2022	<1	<1	<1	160	1.5	<1
4/6/2022	<2	<2	<2	89	24	<2
7/8/2022	<1	2.9	1.8	110	0.88	<1
10/4/2022	<2	36	53	68	<2	<2
1/18/2023	<1	1.4	1.0	81	0.91	<1

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

Trend Plot

