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November 17, 2023

Mr. Glenn May, PG
New York State Department of
Environmental Conservation, Region 9
700 Delaware Avenue
Buffalo, NY 14209

Subject: **Fourth Quarter 2023 Groundwater Monitoring Report (07/28/23-10/12/23)**
October 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 Fourth 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), NYSDEC Site Code No. 9-15-149. This report has been developed in accordance with the NYSDEC Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010.

Groundwater samples were collected from select monitoring wells in fulfillment of the site AOC for groundwater monitoring requirements. A monitoring schedule was implemented based on Table 16 presented in the Periodic Review Report (PRR) (April 8, 2022, through April 12, 2023), dated June 14, 2023, and the analyses performed on the groundwater sampled during this monitoring event were included in Table 15 of the June 14, 2023 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 October 2023 sampling event, to ensure that the vapor effluent was in compliance with NYSDEC vapor discharge guidance criteria. Included in this report are a description of the project background, groundwater and vapor monitoring activities, operation and maintenance (O&M) activities for the 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 NYSDEC on June 30, 2003; the report was approved by NYSDEC in August 2003. At the request of NYSDEC, AECOM prepared a “Remedial Design Work Plan” (RDWP) to complete the

additional remedial work recommended in the SICR. The RDWP was submitted to NYSDEC on November 21, 2003, and the document was approved by NYSDEC on January 5, 2004.

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

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

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

Figure 2 depicts the location of site groundwater monitoring wells and piezometers, DPE recovery wells and system piping, enclosed DPE system trailer, 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 January 2024 through October 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. On June 3, 2022, AECOM submitted the seventeenth PRR to NYSDEC, which summarized the combined DPE groundwater remediation system operation between April 9, 2021, through April 8, 2022. The most recent PRR (#18) was submitted on June 14, 2023 and summarized the combined DPE groundwater remediation system operation between April 8, 2022 through April 12, 2023. An IC/EC certification was included with each PRR except #15 through #18; 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 – October 2023

AECOM personnel collected quarterly groundwater samples on October 9, 10, and 11, 2023 (the vapor samples were collected on October 9, 2023), in accordance with the procedures outlined in the NYSDEC-approved November 2003 RDWP and the NYSDEC August 2010 letter. October 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, total organic carbon (TOC), and monitored natural attenuation parameters (i.e., wells MW-4, MW-8R, MW-11, MW-13S, and MW-16S) 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. In addition, various monitored natural attenuation parameters were analyzed at MW-4, MW-8R, MW-11, MW-13S, and MW-16S by EETNE.

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 October 9, 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 October 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 October 9, 2023, ranged from 683.01 feet above mean sea level (AMSL) at MW-15S to 667.95 feet AMSL at MW-14D. The average groundwater surface elevation across the site was 1.01 feet lower in October 2023 when compared to the prior round of groundwater elevation measurements collected in July 2023. The decrease in groundwater elevations may be attributable to seasonal variations. Based on the October 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 – October 2023

Tables 3, 4 and **5** summarize VOC data for groundwater samples collected in October 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
October 2023

VOCs Detected in Groundwater	Concentration Range (micrograms per liter)	Number of Detections	RAO/TOGS 1.1.1 Exceedances
Chloroethane	0.47 – 78	5	2
Vinyl Chloride	23 – 34,000	4	4
cis-1,2-Dichloroethene	3.2 – 22,000	3	2
1,1-Dichloroethane	15 - 610	2	2
Trichloroethene	710	1	1
2-Butanone (MEK)	390	1	1
Acetone	3.5	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 the sample from one of the nine 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 October 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-dichlorethene (cis-1,2-DCE) and vinyl chloride (VC), and of 1,1,1-trichloroethane (1,1,1-TCA) degradation products 1,1-dichlorethane (1,1-DCA) and chloroethane, provides supportive evidence that the attenuation of TCE and 1,1,1-TCA continues to occur on the site via reductive dechlorination. The occurrence of these degradation products appears to be directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. In addition, the virtual elimination of TCE and 1,1,1-TCA concentrations between Third Quarter 2015 and the current reporting period can be attributed to the injection pilot test performed in November 2014 using the injectate Anaerobic BioChem and zero valent iron (ABC+®), the injection treatment in April/May 2015 using ABC+®, 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. Most recently, AECOM performed an electron donor injection per the NYSDEC-approved work plan dated March 2, 2023; a summary of the injection program was included in the 2023 PRR (June 14, 2023).

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 October 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. A bioaugmentation injection was performed in September 2021. 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, an electron donor injection was performed between March and June 2023.

Table 6 shows a summary of historical and current TCE concentrations. Based on the October 2023 groundwater data, there was one detection of TCE in a monitoring well (i.e., MW-16S at 710 micrograms per liter (µg/L) and there were detections of TCE in three of the eight DPE wells sampled at 13 µg/L, 12 µg/L, and 7.2 µg/L at DPE-1, DPE-3 and DPE-6, 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. The 2023 electron donor injection program centered around MW-16S and included injections at DPE-3, DPE-5, DPE-8 and two new shallow overburden injection wells located upgradient of MW-16S/D. Overall, decreases in TCE concentrations observed since the combined DPE groundwater remediation system was installed in May 2004, and the subsequent injection events, indicate that VOC concentrations continue to decrease in overburden groundwater and soil at the site. In addition, based on the decreases in concentration of TCE at these targeted locations, as well as other locations with historical detections of TCE, the previous injection events 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.

Monitored Natural Attenuation

In addition to the VOC analysis, MNA parameters were collected from MW-4, MW-8R, MW-11, MW-13S, MW-16S, and MW-16D. Results of the October 2023 MNA samples are summarized in **Table 7**. Per **Table 7**, all five wells sampled for MNA parameters, except l background monitoring well MW-11, show strong evidence for anerobic biodegradation of the targeted chlorinated organics to occur. Background well MW-11, outside the contaminant plume, shows inadequate evidence for anerobic biodegradation of chlorinated organics to occur; however, the total concentration of VOCs of concern in that well has been below 10 ug/L since 2017.

The use of the enhanced reductive dechlorination (ERD) amendments ABC+® and ABC-Ole® with zero valent iron (ZVI) were designed to provide needed nutrients, such as a soluble lactic acid carbon source, a phosphate buffer to control pH for optimum microbial growth, and ZVI which accelerates abiotic dechlorination of chlorinated ethenes and ethanes. In September of 2021, AECOM completed a bioaugmentation injection event using microbial culture KB-1® Plus and the associated KB-1® Primer. Microbial analyses continue to indicate that the necessary concentrations of bacteria such as *Dehalococcoides* (Dhc) species producing the enzymes tceA Reductase and VC reductase remain present in the subsurface (further discussion is presented in Section 3.8). Over time, stimulation of the native bacteria by the injection of ABC+® and extra nutrients where chlorinated solvents are present in Site groundwater as well as the completion of bioaugmentation in September 2021 have dramatically reduced the concentrations of the original

parent chlorinated VOCs, TCE and 1,1,1-TCA. The initial concentrations of known TCA degradation products (1,1-DCA and chloroethane), as well as of TCE degradation products (1,2-DCE isomers and VC), suggest that reductive dechlorination of the chlorinated solvents present in site groundwater as a result of the November 2018 ABC+® injection event and the September 2021 event continues to occur.

In March 2023, AECOM initiated an electron donor and bioaugmentation program using a mixture of injectates that consisted of an extended release electron donor solution (EDS-ER™, a vegetable oil-based donor), a quick release donor solution (EDS-QR ™, a soluble glycerol-based high hydrogen-content electron donor), a solution to stimulate biological activity (TersOX ™ Nutrients-QR, a source of nitrogen and phosphorus to avoid nutrient limitations for biostimulation programs), and a "chaser" solution (KB-1® Primer, chemicals to drive source water anoxic, buffer pH, remove chlorine and protect organohalide respiring bacteria). The electron donor program was conducted to accelerate the reductive dechlorination of the remaining parent chlorinated VOCs and to increase the production of degradation intermediates such as cis-1,2-DCE and VC (without long-term accumulation) before complete mineralization occurs.

Total Organic Carbon

Samples were collected for TOC analysis to monitor the concentration of organic carbon source available for optimum microbial growth. TOC analysis indicated that the 2023 electron donor injection program, which was centered around MW-16S, caused a large increase in TOC concentrations down gradient of the injection points. As a result, the location with the highest historical concentrations of contaminants of concern (MW-16S) has a TOC concentration of 5,170 milligrams per liter [mg/L], which is well above the minimum TOC concentration of 20 mg/L that is generally required to maintain effective ERD. MW-4 and MW-8R have TOC concentrations of 9,520 mg/L and 12,700 mg/L, respectively. Refer to **Table 3** and **Table 4** for TOC concentrations detected in October 2023 from monitoring wells, piezometers, and DPE wells.

Dechlorinating Bacteria Analysis

During the October 2023 groundwater sampling event, AECOM collected samples at MW-8R and MW-16S and submitted them to SiREM in Knoxville, Tennessee for analysis for volatile fatty acids (VFA) (MW-8R and MW-16S) and Gene-Trac® analysis (MW-16S). The following sections summarize the VFA and Gene-Trac® analyses.

Volatile Fatty Acids

In addition to a TOC concentration greater than 20 mg/L, the quantification of VFAs is useful to assess the form of TOC present and its availability to promote the reductive dechlorination process. VFAs are fermented by a variety of pathways to produce the hydrogen necessary for complete reductive dechlorination of chlorinated VOCs to occur. In general, VFAs should be in excess of 10 to 20 mg/L to be useful. Pre- and post-injection VFA data is summarized in **Table 8**; the associated laboratory data reports are included in **Appendix C**.

SiREM analyzed for six VFAs during the pre-bioaugmentation injection sampling event conducted in August 2021 and subsequent post-injection monitoring events conducted in December 2021, April 2022, October 2022, April 2023, July 2023, and October 2023. The following compares the previous VFA results (July 2023) with the most recent post-bioaugmentation injection sampling event results from October 2023.

Lactate is a component of the ABC-Ole' that was injected at the Site in November 2018. Lactate ferments to the VFAs acetate and propionate. Lactate can be used as a measure of the remaining unused reducing potential of the previously injected ABC-Ole'. For monitoring well MW-8R, lactate was non-detect in October 2023 (<0.50 mg/L). This indicates the depletion of this VFA at this well. For monitoring well MW-16S, lactate increased from non-detect in July 2023 (<0.62 mg/L) to 60 mg/L in October 2023, which indicates an increase of this VFA. For the electron donor program initiated at the site in March 2023, the carbon substrates being added (i.e., EDS-QR™ and EDS-ER™) do not contain lactate; therefore, the concentration of lactate detected in MW-16S is likely related to the November 2018 injection event.

Acetate is fermented from lactate, ABC-Ole', EDS-QR™, EDS-ER™, and sugars. *Dehalobacter* (*Dhb*) can use acetate as a low energy source while *Dehalococcoides* (*Dhc*) cannot. Dhb is implicated in the biodegradation of

chlorinated ethenes such as tetrachloroethene (PCE) and TCE to cis-1,2-DCE and in the biodegradation of the chlorinated ethane 1,1,1-TCA to 1,1-DCA and subsequently to chloroethane. As a result, the presence of acetate indicates that partial reductive dechlorination can occur. However, complete reductive dechlorination to ethene and ethane will not occur without the presence of other VFAs and *Dhc*. Acetate decreased in MW-8R (520 mg/L to 158 mg/L) and increased in MW-16S (595 mg/L to 1,537 mg/L). The detected acetate in both MW-8R and MW-16S is likely attributable to electron donor program using EDS-QR™ and EDS-ER™ and the subsequent formation of acetate during the breakdown of these products.

Propionate is fermented from lactate, ABC-Ole', EDS-QR™, EDS-ER™, and alcohols. Propionate subsequently ferments to produce hydrogen and formate. Hydrogen is the preferred electron acceptor for reductive dechlorination because of its high energy yield. *Dhc* can only use hydrogen as an energy source. Slow fermentation of propionate results in efficient reductive dechlorination (less methanogenesis) and optimal *Dhc* growth. Propionate concentration decreased in MW-8R from 352 mg/L to 269 mg/L and increased in MW-16S from <0.10 in July 2021 to 4,387 mg/L in October 2023. The October 2023 concentration of propionate in both wells is sufficient to promote reductive dechlorination. More time is needed to determine the trend for propionate in both wells as it relates to the electron donor program.

Formate is created from the fermentation of propionate. Formate is then fermented to produce hydrogen and bicarbonate. Formate was not detected in MW-8R; however, it was detected at an estimated concentration of 9.9 mg/L in MW-16S in October 2023, which was a decrease from the formate concentration detected in July 2023 (776 mg/L). Formate has never been detected in either MW-8R or MW-16S prior to July 2023. The detection of formate in MW-16S in July 2023 and October 2023 is likely the result of the continued fermentation of the propionate that was previously detected in this well in April 2023 and most recently in October 2023.

Butyrate is created from the fermentation of ABC-Ole', EDS-QR™, EDS-ER™, and alcohols. Butyrate ferments to produce hydrogen and acetate. Slow fermentation of butyrate results in efficient reductive dechlorination (less methanogenesis) and optimal *Dhc* growth. Butyrate decreased in MW-8R (212 mg/L to 38 mg/L) and increased in MW-16S (351 mg/L to 625 mg/L). The butyrate detected at both wells is likely the result of the 2023 electron donor program. The acetate detected at both MW-8R and MW-16S may also be attributable to the fermentation of butyrate.

Pyruvate is created from the fermentation of sugars. Pyruvate is subsequently fermented to propionate and acetate with some hydrogen production. Pyruvate was detected in MW-8R during the October 2023 sampling event at an estimated concentration of 0.82 mg/L, which is an increase from July 2023 (<0.15 mg/L). Pyruvate was detected (41 mg/L) in MW-16S in October 2023, which is an increase from July 2023 (<0.15). This was the first appreciable detection of pyruvate since the electron donor program was implemented and may have contributed to the increase in acetate and propionate detected in this well.

Overall, the October 2023 VFA results for MW-8R indicate that TOC detected in the vicinity of this well has increased substantially from 2,190 mg/L in July 2023 to 12,700 mg/L in October 2023, while TOC detected in MW-16S has decreased from 11,900 mg/L to 5,170 mg/L during the same timeframe, as a result of the electron donor program. These concentrations of TOC combined with the elevated detections of acetate, propionate, and butyrate indicate that groundwater conditions near both wells remain conducive for ERD of the targeted chlorinated VOCs to occur if *Dhc* is present in sufficient quantity. A discussion of *Dhc*, *Dhb*, and reductase results is provided in the next subsection.

Gene-Trac®

Gene-Trac® *Dhc* is used to detect *Dhc* in a groundwater sample. The detection of *Dhc* is significant as *Dhc* contains the greatest number of reductive dehalogenase genes of any microbial group. *Dhc* is capable of the reductive dechlorination of PCE, TCE, cis-1,2-DCE, 1,1-dichloroethene, trans-1,2-dichloroethene, and VC. Pre- and post-injection Gene-Trac® data for MW-16S is summarized in **Table 9**; laboratory data reports are included in **Appendix C**. Note that Gene-Trac® analysis was completed for MW-8R in July 2023; however, there is no previous Gene-Trac® data for this well. MW-8R results are presented on **Table 9** for completeness.

Gene-Trac® microbials in MW-16S were analyzed by SiREM during the pre-bioaugmentation injection conducted in August 2021 and subsequent post-injection monitoring events conducted in December 2021, April 2022, October

2022, April 2023, July 2023, and October 2023. The following compares the previous Gene-Trac® results (July 2023) with the most recent post-electron donor injection sampling event conducted in October 2023.

The post-injection Gene-Trac® *Dhc* results decreased from 1 x 10^9 *Dhc* gene copies per liter in July 2023 to 3 x 10^7 *Dhc* gene copies per liter in October 2023. Per the technical notes from SiREM regarding interpretation of data, when the density of *Dhc* gene copies per liter is 1 x 10^7 or higher, this concentration is generally associated with significant rates of dechlorination.

Gene-Trac® *vcrA*, *bvcA*, and *tceA* gene analysis quantifies genes that code for reductase enzymes that dechlorinate chlorinated ethenes and other compounds. The *vcrA*, *bvcA*, and *tceA* genes play specific roles in reductive dechlorination. Specifically, the Gene-Trac® *vcrA* and *bvcA* test quantifies VC-reductase genes that produce enzymes that convert VC to ethene. The *vcrA* reductase gene is reported to be the most commonly identified VC reductase gene in the environment, whereas *bvcA* is generally less common but can predominate in more oxidizing groundwater and possibly where DCE is dominant. The Gene-Trac® *tceA* test quantifies the TCE reductase gene that produces an enzyme that primarily converts TCE to cis-1,2-DCE and VC.

The *vcrA* reductase gene was detected in MW-16S at 2 x 10^9 gene copies per liter in the July 2023 sample and subsequently decreased to 4 x 10^7 gene copies per liter in October 2023. The *bvcA* reductase gene was detected in MW-16S at 1 x 10^8 gene copies per liter in July 2023 and decreased to 2 x 10^6 gene copies per liter in October 2023. The *tceA* reductase gene was detected in MW-16S at 1 x 10^8 gene copies per liter in July 2023 and decreased to 4 x 10^6 gene copies per liter in October 2023.

Per the technical notes from SiREM, the potential for complete dechlorination is high when Dhc, *vcrA*, *bvcA*, and *tceA* are present at greater than or equal to 1 x 10^7 gene copies per liter. The concentrations for the *bvcA* reductase gene and *tceA* reductase gene in MW-16S in October 2023 were 2 x 10^6 gene copies per liter and 4 x 10^6 gene copies per liter, respectively. This indicates that the potential for complete dechlorination may be somewhat less than during previous sampling events. VC stall remains unlikely as the *vcrA* reductase gene was detected at 1 x 10^7 gene copies per liter, and ethene is detectable. Ethene was detected in MW-16S at 33,000 µg/L, 47,000 µg/L, and 29,000 µg/L in August 2021, April 2023, and October 2023 respectively.

Gene-Trac® *Dhb* is used to detect *Dhb* in a groundwater sample. *Dhb* is implicated in the biodegradation of PCE and TCE to cis-1,2-DCE. The detection of *Dhb* indicates that dechlorination activities attributed to *Dhb* may be active. Increasing concentrations of *Dhb* are indicative of increased potential for degradation. *Dhb* was detected at 5 x 10^7 gene copies per liter in August 2021, 9 x 10^5 gene copies per liter in July 2023, and 6 x 10^5 gene copies per liter in October 2023. This continues a decreasing trend observed for the concentration of *Dhb* detected in MW-16S and indicates that the potential for degradation by *Dhb* is decreasing.

In summary, *Dhc*, *vcrA*, *bvcA*, and *tceA* are present at MW-16S at concentrations that continue to indicate a high potential for complete reductive dechlorination to occur. Because the electron donor program was completed in early July 2023 and this sampling event occurred in early October 2023, additional time is needed to evaluate the overall impact of the program in the vicinity of MW-16S.

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

AECOM personnel collected vapor effluent samples from the combined groundwater remediation system vapor discharge stacks on October 9, 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 – October 2023

The system vapor effluent results are summarized in **Table 10**, 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 eight VOCs were detected in the AS unit effluent. The total VOCs discharged during the

sampling event were approximately 400.37 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 0.0002 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 August 10, 2023, Matrix Environmental Technologies Inc., with oversight and assistance from AECOM, installed a new totalizer on the air stripper effluent, cleaned hold tank and transfer tank floats, cleaned DPE header assembly valves and sight tubes, and optimized the remedial systems.

Based on a system operational period from July 27, 2023 (Third Quarter 2023 Buffalo Sewer Authority [BSA] compliance sampling event) to October 9, 2023 (Fourth 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 101,638 gallons, at an average flow rate of 0.95 gallons per minute.

Summary

The GWCT and the DPE remediation system were on-line during the Fourth Quarter 2023 sampling event (note DPE wells DPE- 3, DPE-5, DPE-8 were off-line during the Fourth Quarter 2023 sampling event to accommodate the recent electron donor program; DPE-6 remains off-line due to historic lime issues). TCE was detected at MW-16 at 710 µg/L; there were no other detections of TCE in site monitoring wells or piezometers sampled (MW-2, MW-3, MW-4, MW-8R, MW-11, MW-13S, MW-13D, and MW-16D). Following the November 2014, April/May 2015 and November 2018 injection treatments, the September 2021 bioaugmentation injection event, and the most recent electron donor injection program (March-July 2023), significant reductions in TCE concentrations have been observed at MW-4, MW-8R, MW-13S, and MW-16S.

Based on the results of the October 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 Fourth Quarter 2023 sampling event were well below the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event, the First Quarter 2024 sampling event, is planned for January 2024; 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

Table 1

Proposed Groundwater Monitoring Schedule - January 2024 through October 2024
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Locations Scheduled for Sampling	Locations Scheduled for Sampling			
Quarterly Groundwater Monitoring					
January 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		
Comprehensive Annual Groundwater Monitoring					
April 2024	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 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		
October 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 - October 9, 2023
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	7.12	679.98
MW-3	687.05	10.35	676.70
MW-4	686.50	14.30	672.20
MW-8R	686.29	8.99	677.30
MW-9	689.57	14.40	675.17
MW-11	688.61	11.98	676.63
Nested Piezometers			
MW-13S	686.65	8.94	677.71
MW-13D	686.78	10.47	676.31
MW-14S	685.74	7.32	678.42
MW-14D	685.88	17.93	667.95
MW-15S	687.17	4.16	683.01
MW-15D	687.37	13.32	674.05
MW-16S	688.15	7.53	680.62
MW-16D	688.16	12.99	675.17
Remedial System			
GWCT Manhole (rim)	687.22	21.35	665.87

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

Table 3

Summary of Monitoring Well Analytical Data - October 2023
Former Scott Aviation Facility - West of Plant 2
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	10/10/23	10/10/23	10/10/23	10/09/23	10/09/23	07/26/23
Lab Sample ID	Objective	480-213552-1	480-213552-3	480-213552-2	480-213504-1	480-213504-2	480-211209-2
Volatile Organic Compounds by Method 8260 (µg/L)							
1,1-Dichloroethane	5*	< 1.0 U	**15**	< 20 U	< 40 U	< 2.0 U	< 2.0 U
2-Butanone (MEK)	50	< 10 U	< 10 U	**390**	< 400 U	< 20 U	< 20 U
Acetone	50	< 10 U	< 10 U	< 200 U	< 400 U	< 20 U	< 20 U
Chloroethane	5*	< 1.0 U	**0.47 J**	**78**	< 40 U	< 2.0 U	< 2.0 U
cis-1,2-Dichloroethene	5*	< 1.0 U	**3.2**	< 20 U	< 40 U	< 2.0 U	< 2.0 U
Trichloroethene	5*	< 1.0 U	< 1.0 U	< 20 U	< 40 U	< 2.0 U	< 2.0 U
Vinyl chloride	5*	< 1.0 U	**23**	< 20 U	**250**	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NL	0.0	42	468	690	0.0	0.0
Total Organic Carbon by Method 9060A (mg/L)	NL	23.7	3.1	9,520	12,700	4.2	NS

Table 3

Summary of Monitoring Well Analytical Data - October 2023
Former Scott Aviation Facility - West of Plant 2
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	10/09/23	10/10/23	10/10/23	10/09/23
Lab Sample ID	Objective	480-213504-3	480-213504-4	480-213552-5	480-213504-4
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1-Dichloroethane	5*	< 2.0 U	< 1.0 U	**610 J**	< 40 U
2-Butanone (MEK)	50	< 20 U	< 10 U	< 10,000 U	< 40 U
Acetone	50	< 20 U	**3.5 J**	< 10,000 U	< 400 U
Chloroethane	5*	**1.8** J	**2.1**	< 1,000 U	**69**
cis-1,2-Dichloroethene	5*	**76**	< 1.0 U	**22,000**	< 40 U
Trichloroethene	5*	< 2.0 U	< 1.0 U	**710 J**	< 1.0 U
Vinyl chloride	5*	**100**	< 1.0 U	**34,000**	< 40 U
Total Volatile Organic Compounds	NL	178	5.6	57,320	40
Total Organic Carbon by Method 9060A (mg/L)	NL	3.7	3.3	5,170	2,830

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, Toluene, and Xylenes were not detected above the reporting limit.
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.
NS - Not sampled.

Table 4

Summary of Dual Phase Extraction Well Groundwater Analytical Data - October 2023
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-6		DPE-7		DPE-8	
Date Collected	RAO/TOGS 1.1.1	10/10/23		10/12/23		10/10/23		10/10/23		10/10/23		10/10/23		10/10/23		10/10/23	
Lab Sample ID	Objective	480-213596-8		480-213657-1		480-213596-1		480-213596-2		480-213596-3		480-213596-4		480-213596-5		480-213596-6	
Volatile Organic Compounds by Method 8260 (µg/L)																	
1,1-Dichloroethane	5*	**91**		1.0	U	**15**		**4.2**	**J**	4.0	U	**150**		2.0	U	400	U
2-Butanone (MEK)	50	**99**	**J**	10	U	**510**		80	U	**110**		**44**		**14**	**J**	**1,400**	**J**
2-Hexanone	50	100	U	5.0	U	**14**	**J**	40	U	7.7	J	20	U	10	U	2,000	U
Acetone	50	**460**		10	U	**80**	**J**	**36**	**J**	**48**		**310**		**9.2**	**J**	4,000	U
Carbon Disulfide	60	20	U	1.0	U	10	U	8.0	U	4.0	U	4.0	U	**0.55**	**J**	400	U
Chloroethane	5*	**10**	**J**	1.0	U	**7.7**	**J**	8.0	U	**16**		4.0	U	**54**		400	U
cis-1,2-Dichloroethene	5*	**130**		1.0	U	**750**		**1,110**		**34**		**91**		2.0	U	**3,900**	
Toluene	5*	**16**	**J**	1.0	U	10	U	8.0	U	4.0	U	**5.0**		2.0	U	400	U
Trichloroethene	5*	**13**	**J**	1.0	U	**12**		8.0	U	4.0	U	**7.2**		2.0	U	400	U
Vinyl chloride	5*	**27**		1.0	U	**750**		**38**		4.0	U	**31**		**3.0**		**4,600**	
Total Volatile Organic Compounds	NL	846		0.0		2,139		1,188		208		638		81		9,900	
Total Organic Carbon by Method 9060A (mg/L)	NL	195		3.9		2,640		70.5		1,050		90.4		22.2		9,800	

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).

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 5

Summary of Groundwater Collection Trench Analytical Data through October 2023
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole
Date Collected	RAO/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
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
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
2-Butanone (MEK)	50	**2.4** J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 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
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
Chloroethane	5*	< 1.0 U	< 1.0 U	**62**	**44**	**70**	**34**	**45**	**26**
Chlormethane	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
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
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
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
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
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
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
Total Volatile Organic Compounds	NA	12.8	0.7	63	44	70	34	45	27

Table 5

Summary of Groundwater Collection Trench Analytical Data through October 2023
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole
Date Collected	RAO/TOGS 1.1.1	07/11/17	10/23/17	01/08/18	04/13/18	07/12/18	10/24/18	01/09/19	04/08/19
Lab Sample ID	Objective	480-121042-15	480-126420-1	480-129995-13	480-134234-8	480-138781-4	480-144170-15	480-147748-15	480-151586-12
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	< 1.0 U	< 1.0 U	< 1.0 U	**0.52 J**	< 1.0 U	< 1.0 U	**0.38 J**	**0.48 J**
2-Butanone (MEK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	50	< 10 U	< 10 U	< 10 U	**10 J**	< 10 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	**0.20 J**
Chloroethane	5*	**65**	**45**	**64**	**53**	**49**	**38**	**28**	**48**
Chlormethane	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
cis-1,2-Dichloroethene	5*	< 1.0 U	< 1.0 U	**5.1**	< 1.0 U	< 1.0 U	< 1.0 U	**0.93** J	**1.20**
Ethylbenzene	5	< 1.0 U	**0.19 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	**0.25 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**0.80 J**	**0.60 J**
trans-1,2-Dichloroethene	5	< 1.0 U	**0.34 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**1.4**
Xylenes, Total	5*	< 2.0 U	**0.67 J**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	65	45	69	64	49	38	30	52

Table 5

Summary of Groundwater Collection Trench Analytical Data through October 2023
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole
Date Collected	RAO/ TOGS 1.1.1	07/23/19	10/14/19	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	04/07/21
Lab Sample ID	Objective	480-156622-7	480-160839-7	480-165026-18	480-168383-16	480-172827-15	480-176470-13	480-180395-15	480-182978-13
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	< 1.0 U	< 1.0 U	**0.45 J**	< 1.0 U	< 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
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
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
Chloroethane	5*	**48**	**28**	**34**	**52**	**37**	**34**	**24**	**29**
Chloromethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**0.42 J**	< 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
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
Toluene	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-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
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**1.2 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
Total Volatile Organic Compounds	NA	48	28	34	52	39	34	24	29

Table 5

Summary of Groundwater Collection Trench Analytical Data through October 2023
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole
Date Collected	RAO/ TOGS 1.1.1	07/15/21	10/19/21	01/19/22	04/06/22	04/04/23	07/26/23	10/10/23
Lab Sample ID	Objective	480-187292-18	480-191095-10	480-194344-18	480-196479-18	480-207495-10	480-211209-5	480-213596-7
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane	5*	< 1.0 U	**0.44 J**	< 1.0 U	< 1.0 U	**0.58 J**	< 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
Acetone	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**5.1 J**
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	**37**	**32**	**28**	**24**	**8.6**	**19**	**29**
Chloromethane	5	< 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
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**0.71 J**	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	37	32	28	24	8.6	19.7	34.1

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	July 2019
MW-2	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2
MW-3	<1	<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	2.6
MW-6[2]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	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	<8
MW-10[2]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	NS	NS	NS
MW- 11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<4	<1	<1	<1
MW-12[2]	NS	<1	<1	<1	<1	<5	<5	<1	<4	<1	<1	<1	<1	<4	<5	NS	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	NS
MW-16S	160,000	26,000	5,100	<4,000	<4,000	<4,000	<2,000	<500	<500	86	<1,000	<500	<1,000	<1,000	<1,000	<1,000	550	<1,000	<2,500

Well ID	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jan 2021	Apr 2021	Jul 2021	Oct 2021	Jan 2022	Apr 2022	Jul 2022	Oct 2022	Jan 2023	Apr 2023	Jul 2023	Oct 2023	TCE Reduction - Previous Sampling	TCE Reduction - Baseline Sampling
MW-2	<1	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<2	<2	<2	<2	<1	<1	ND	ND
MW-3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-4	<4	<4	<4	<4	<4	1.0	<4	<4	<4	<4	<1	<4	<4	<4	<4	<4	<20	ND	ND
MW-6[2]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
MW-8R	<10	<10	<2	<4	<2	1.4	<10	<8	<25	<25	<8	5.5	<40	<40	<40	<40	<40	ND	ND
MW-10[2]	NS	NS	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	<1	<2	ND	ND
MW-12[2]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
MW-13S	NS	0.64	<1	<1	0.60	<1	0.77	<2	<2	<2	<2	2.2	<2	<2	<2	<2	<2	ND	ND
MW-16S	<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	<2,000	<2,000	710	increase	99.6%

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.

The electron donor injection program was performed between March and July 2023.

ND - Not Detected

NA - Not Available

NS - Not Sampled

Table 7

Bioattenuation Screening Summary
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Parameter	Units	Criteria	Score Value	Monitoring Well Identification											
				MW-4		MW-8R		MW-11		MW-13S		MW-16S		MW-16D	
				Plume Well		Plume Well		Background well		Plume Well		Plume Well		Plume Well	
					Score		Score		Score		Score		Score		Score
Dissolved Oxygen	mg/L	< 0.5 mg/L	3			0.40	3			0.40	3	0.20	3	0.30	3
		>0.5 mg/L	-3	1.20	-3			0.60	-3						
Nitrate	mg/L	< 1 mg/L	2	< 0.050	2	< 0.050	2	0.031	2	< 0.050	2	< 0.050	2	0.030	2
Ferrous Iron	µg/L	> 1 mg/L	3	11.6	3	10.0	3	<0.10	0	0.095	0	5.1	3	2.9	3
Sulfate	mg/L	< 20 mg/L	2	11.1	2	12.2	2	8.5	2	7.3	2	7.9	2	6.9	2
Sulfide	mg/L	> 1 mg/L	3	4.8	3	1.2	3	<1.0	0	<1.0	0	<1.0	0	<1.0	0
Methane	µg/L	< 500 µg/L	0												
		> 500 µg/L	3	11,000	3	9,400	3	1,300	3	19,000	3	4,500	3	7,300	3
Ethene	µg/L	> 10 µg/L	2	260	2	<1,500	0	<150	0	330 J	2	29,000	2	<770	0
Ethane	µg/L	> 100 µg/L	3	130	3	<1,700	0	<170	0	1,700	3	<1,700	0	<830	0
ORP	mV	< 50 mV	1	-27.0	1			67.2	0	-63.0	1	-85.1	1	-83.5	1
		< -100 mV	2			-107.3	2								
pH	s.u.	5 < pH < 9	0	6.26	0	5.97	0	6.68	0	7.12	0	6.49	0	6.93	0
		5 > pH > 9	-2												
Temperature	°C	> 20°C	1	12.2	0	13.6	0	13.5	0	13.6	0	13.4	0	12.3	0
TOC	mg/L	> 20 mg/L	2	9,520	2	12,700	2	4.2	0	3.7	0	5,170	2	2,830	2
Carbon Dioxide	µg/L	> 2x background	1	530,000	1	650,000	1	180,000	0	62,000	0	610,000	1	750,000	1
Alkalinity	mg/L	> 2x background	1	2,090	1	<10.0	0	214	0	304	0	2,330	1	2,090	1
PCE[1]	µg/L	----	0	<20	0	<40	0	<2	0	<2	0	<1,000	0	<40	0
TCE[2]	µg/L	----	0	<20	0	<40	0	<2	0	<2	0	710	0	<40	0
DCE[3]	µg/L	----	2	<20	0	<40	0	<2	0	<2	0	<1,000	0	<40	0
VC[4]	µg/L	----	2	<20	0	250	2	<2	0	100	2	34,000	2	<40	2
1,1,1-TCA[5]	µg/L	----	0	<20	0	<40	0	<2	0	<2	0	<1,000	0	<40	0
1,1-DCA[6]	µg/L	----	2	<20	0	<40	0	<2	0	76	2	610	2	<40	0
CA[7]	µg/L	----	2	78	2	<40	0	<2	0	1.8	2	<1,000	0	69	2
					22		**23**		**4**		**22**		**24**		**22**

Notes:

DCE = dichloroethene
°C = degrees Celsius
µg/L = micrograms per liter
mg/L = milligrams per liter
mV = millivolts
ORP = oxidation-reduction potential
s.u. = standard unit
PCE = tetrachloroethene
TCE = trichloroethene

0 to 5 points: There is inadequate evidence for anaerobic biodegradation of chlorinated organics.
6 to 14 points: There is limited evidence for anaerobic biodegradation of chlorinated organics.
15 to 20 points: There is adequate evidence for anaerobic biodegradation of chlorinated organics.
>20 points: There is strong evidence for anaerobic biodegradation of chlorinated organics.

[1] = Material Released
[2] = Daugher product of PCE
[3] = Daugher product of TCE (score if cis-1,2-DCE is 80% of total DCE)
[4] = Daugher product of DCE
[5] = Material Released
[6] = Daugher product of 1,1,1-TCA under reducing conditions
[7] = Daughter product of 1,1-DCA or VC under reducing conditions

Table 8

Pre- and Post-Bioaugmentation Injection VFA Data Comparison
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Sample Date	Sample Dilution Factor	Lactate	Acetate	Propionate	Formate	Butyrate	Pyruvate
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-8R	8/26/2021	50	1.2	70	<0.31	<0.22	<0.41	<0.69
MW-8R	12/9/2021	50	<0.39	28	<0.31	<0.22	<0.41	<0.69
MW-8R	4/6/2022	50	<0.39	37	<0.31	<0.22	<0.41	<0.69
MW-8R	10/10/2022	50	1.4	145	<0.13	<0.22	1.2	<0.69
MW-8R	4/12/2023	50	<0.62	2.2	<0.10	<1.3	<0.06	<0.15
MW-8R	7/28/2023	50	<0.62	520	352	<1.3	212	<0.15
MW-8R	10/12/2023	50x	<0.50	158	269	<0.25	38	0.82 J
MW-16S	8/26/2021	50	<0.39	495	12	<0.22	81	0.71
MW-16S	12/9/2021	1,000	<7.8	921	14	<4.4	98	<13.8
MW-16S	4/7/2022	1,000	<7.8	532	<6.2	<4.4	48	<0.69
MW-16S	10/10/2022	50	1.0	427	<0.13	<0.22	<0.41	<0.69
MW-16S	4/12/2023	50	<0.62	347	240	<1.3	137	2.10
MW-16S	7/28/2023	50	<0.62	595	<0.10	776.0	351	<0.15
MW-16S	10/12/2023	1,000x	60	1,537	4,387	9.9 J	625	41

Notes:
VFA - Volatile fatty acid
mg/L - milligram per liter
J = the associated value is an estimated result between the QL and the RL

The bioaugmentation injection was performed on September 15 and 16, 2021.
The electron donor injection was performed beween March and July 2023.

Table 9

Pre- and Post-Bioaugmentation Injection Gene-Trac Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Sample Date	Dehalococcoides (Dhc)		Dehalobacter (Dhb)		VC Reductase (vcrA)		BAV1 VC Reductase (bvcA)		TCE Reductase (tceA)	
		Percent Dhc	Enumeration/Liter	Percent Dhb	Gene Copies/Liter	Percent vcrA	Gene Copies/Liter	Percent bvcA	Gene Copies/Liter	Percent tceA	Gene Copies/Liter
MW-16S	8/26/2021	8 - 23 %	1×10^9	0.3 - 1 %	5×10^7	8 - 22 %	1×10^9	1 - 3 %	1×10^8	7 - 18 %	1×10^9
MW-16S	12/9/2021	6 - 17 %	1×10^9	0.08 - 0.2 %	2×10^7	5 - 15 %	1×10^9	0.3 - 1 %	6×10^7	2 - 5 %	3×10^8
MW-16S	4/7/2022	31 - 67 %	5×10^9	0.07 - 0.2 %	1×10^7	33 - 71 %	6×10^9	0.3 - 0.8 %	4×10^7	1 - 3 %	2×10^8
MW-16S	10/10/2022	39 - 80 %	3×10^9	0.08 - 0.2 %	5×10^6	28 - 63 %	2×10^9	2 - 4 %	9×10^7	3 - 8 %	2×10^8
MW-16S	4/12/2023	6 - 17 %	7×10^8	0.09 - 0.23 %	1×10^6	7 - 19 %	8×10^8	0.8 - 2 %	8×10^7	0.7 - 2 %	8×10^7
MW-16S	7/28/2023	2 - 5 %	1×10^9	0.001 - 0.004 %	9×10^5	2 - 7 %	2×10^9	0.2 - 0.5 %	1×10^8	0.2 - 0.5 %	1×10^8
MW-16S	10/12/2023	0.4 - 1 %	3×10^7	0.001 - 0.003 %	6×10^4	0.7 - 2 %	4×10^7	0.04 - 0.1 %	2×10^6	0.07 - 0.2 %	4×10^6
MW-8R	7/28/2023	0.03 - 0.08 %	1×10^7	0.0004 - 0.001 %	2×10^5	0.02 - 0.07 %	1×10^7	0.0008 - 0.002 %	1×10^6	0.007 - 0.02 %	4×10^6

Notes:
The bioaugmentation was performed on September 15 and 16, 2021.
The electron donor injection was performed beween March and July 2023.

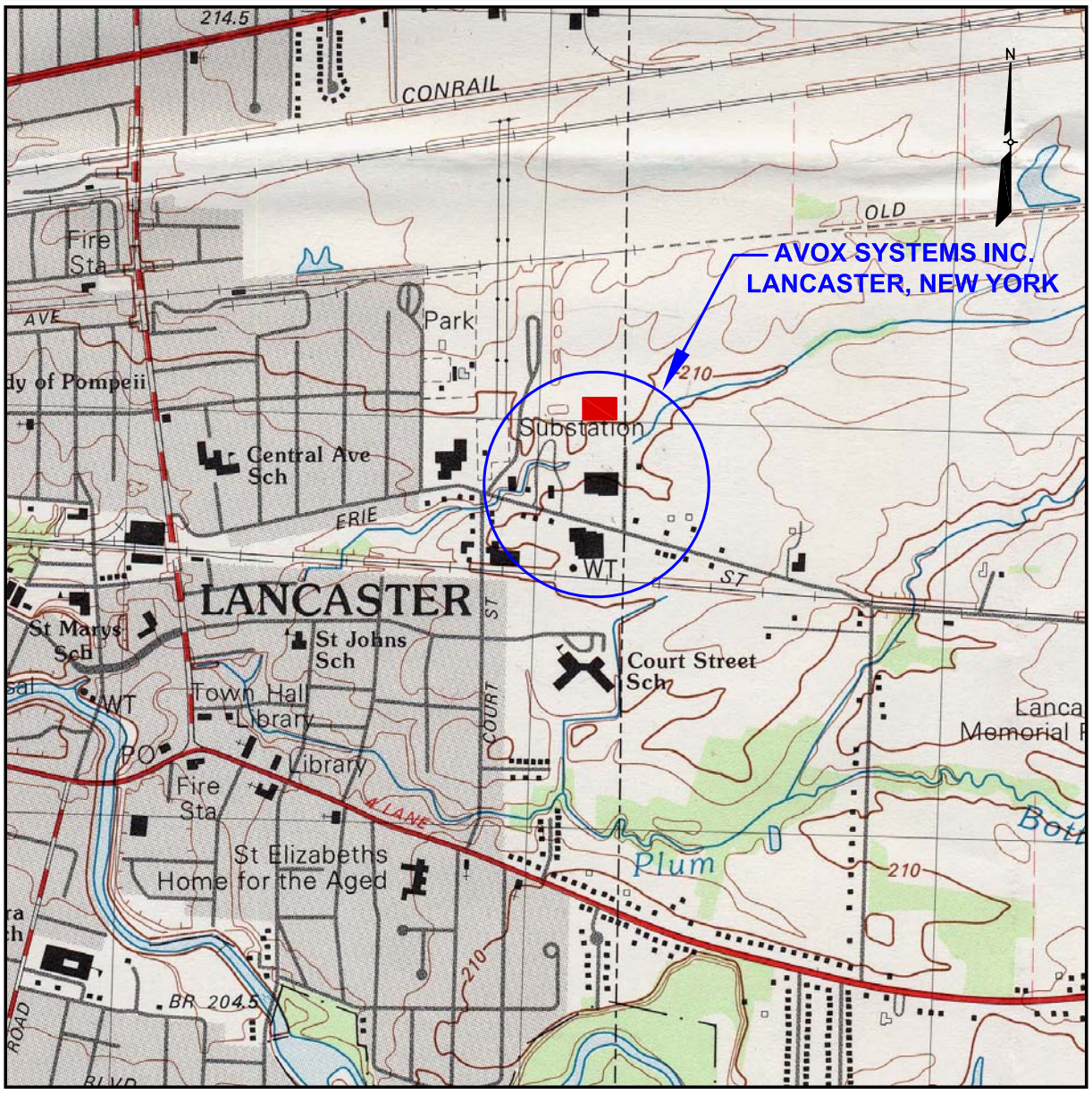
Table 10

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

	Sample ID:	LRP Effluent 4Q23	AS Effluent 4Q23
	Sample Date:	10/9/2023	10/9/2023
VOCs by Method TO-15 (µg/m^3)			
1,1-Dichloroethane		1.0	U
1,2-Dichloroethene, Total		99	8.3
Acetone		14	12
Carbon disulfide		16	2.1
Chloroethane		6.5	2.5
Chloroform		1.0	U
Methyle Butyl Ketone (2-Hexanone)		48	43
Methyl Ethyl Ketone		28	23
Tetrachloroethene		1.5	U
Toluene		2.0	1.1
Trichloroethene		1.5	U
Vinyl chloride		89	0.87
Total Detected VOCs (µg/m^3)		307.5	92.87
Vacuum (inches Hg)		19	2.54
Air Flow Rate (acfm)		132.71	108.81
VOC discharge loading (lb/hr)		0.0001529	0.0000379
Total VOC discharge loading (lb/hr)		**0.000191**	

Notes:
1. µg/m^3 = micrograms per cubic meter
2. acfm = actual cubic feet per minute
3. Hg = Mercury
4. lb/hr = pounds per hour
5. 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).



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.

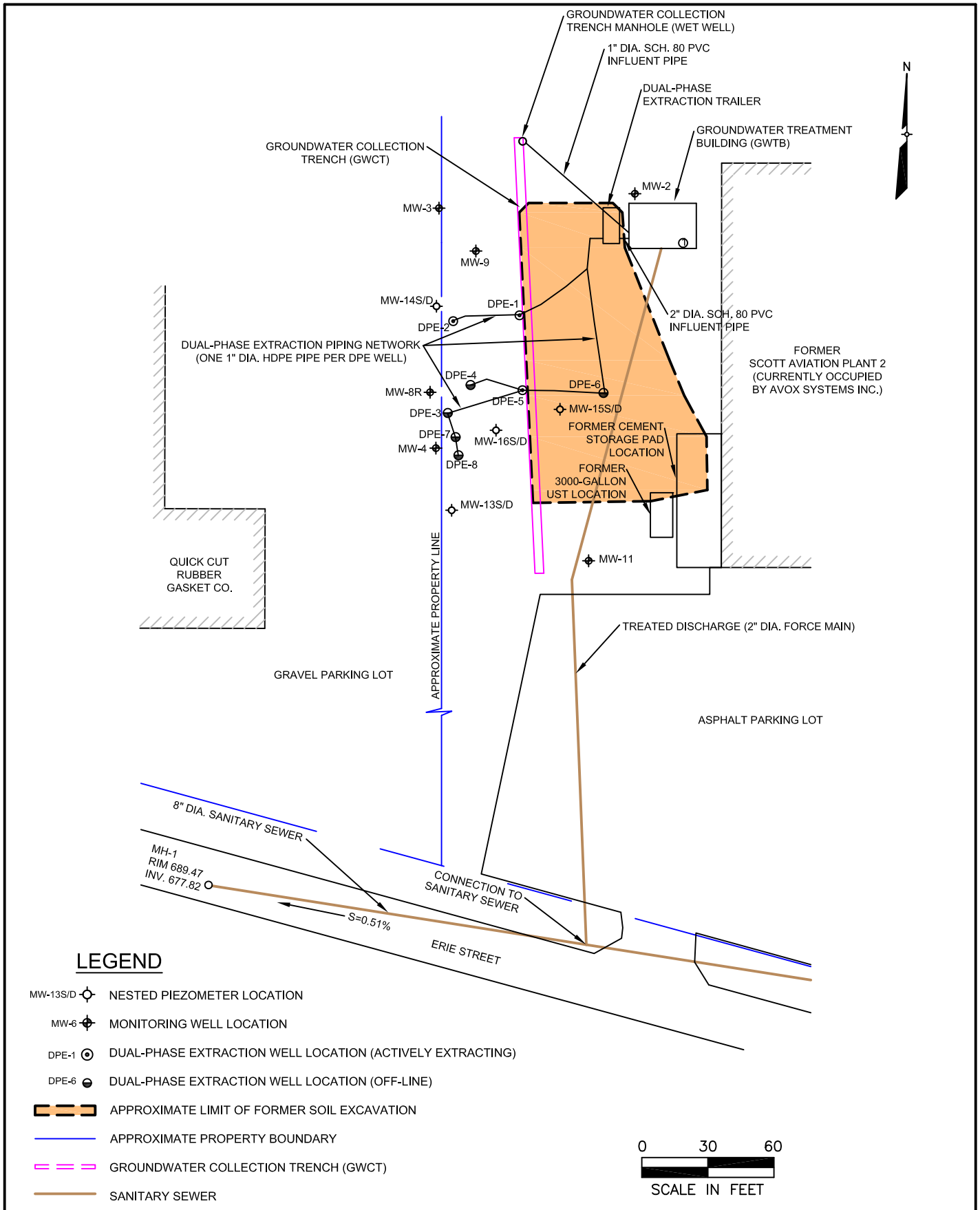
0 1000 2000
SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

\\URSBuffalo.us.ie.urs\Buffalo\Projects_ENV\60676130_West_of_Plant_2\900_CAD_GIS\910_CAD\2022\60676130_000 Site Loc Map_Jan2022.dwg, 1/24/2022 5:37:14 PM, Adobe PDF



AECOM

FIGURE 2
WEST OF PLANT 2 SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

CONDENSATE RETURN LINES

VAPOR DISCHARGE TO ATMOSPHERE

OIL SEALED VACUUM BLOWER (LIQUID RING PUMP)

RECYCLE LINE

OIL FILTER RECYCLER

DUAL PHASE EXTRACTION TRAILER

PARTICULATE/LIQUID FILTER

DPE SYSTEM CONTROL PANEL

VAPOR / LIQUID PHASE SEPARATOR

H H
H L
L L

DPE-6 DPE-7 DPE-8

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

AUTO TRANSER PUMP

HOLD TANK

AUTO TRANSER PUMP

BAG FILTER #1

BAG FILTER #2

VACUUM BLOWER

VAPOR DISCHARGE TO ATMOSPHERE

FLOOR SUMP

AIR BLEED VALVE

DROP TUBE

DPE RECOVERY WELL (TYP)

AIR STRIPPER SYSTEM CONTROL PANEL

AIR STRIPPER

GROUNDWATER TREATMENT BUILDING (GWTB)

AUTO TRANSER PUMP

SUBMURSIBLE PUMP

GROUNDWATER COLLECTION TRENCH (GWCT) WET WELL

HEAT EXCHANGER (OFF-LINE)

CONDENSATE RETURN LINES

TREATED WATER DISCHARGE TO SANITARY SEWER

FRESH AIR INTAKE

LEGEND

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

AECOM

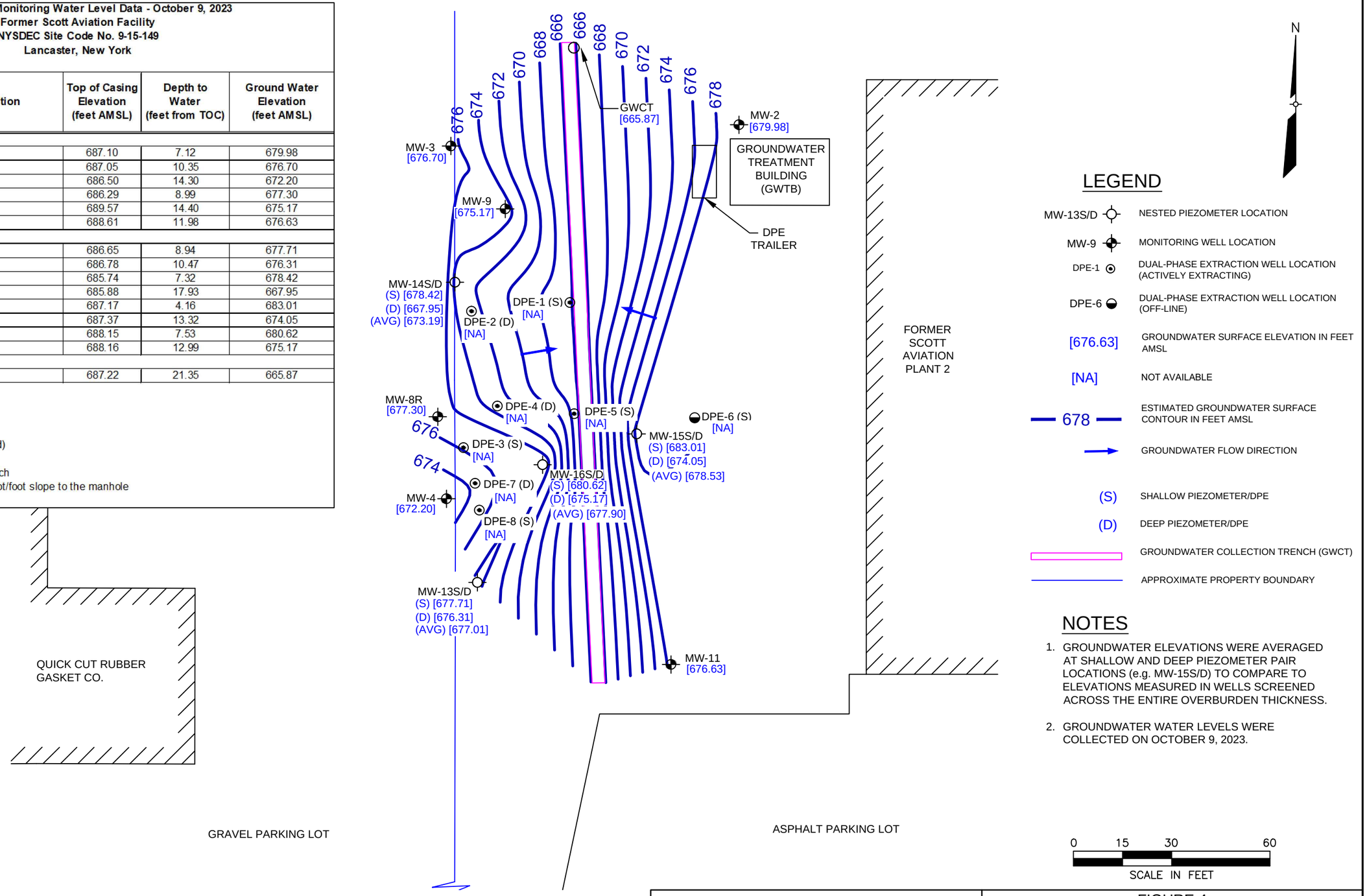
FIGURE 3
PROCESS AND INSTRUMENTATION DIAGRAM FOR COMBINED DUAL PHASE EXTRACTION REMEDIATION SYSTEM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Groundwater Monitoring Water Level Data - October 9, 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)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	7.12	679.98
MW-3	687.05	10.35	676.70
MW-4	686.50	14.30	672.20
MW-8R	686.29	8.99	677.30
MW-9	689.57	14.40	675.17
MW-11	688.61	11.98	676.63
Nested Piezometers			
MW-13S	686.65	8.94	677.71
MW-13D	686.78	10.47	676.31
MW-14S	685.74	7.32	678.42
MW-14D	685.88	17.93	667.95
MW-15S	687.17	4.16	683.01
MW-15D	687.37	13.32	674.05
MW-16S	688.15	7.53	680.62
MW-16D	688.16	12.99	675.17
Remedial System			
GWCT Manhole (rim)	687.22	21.35	665.87

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
NM - Not Measured (well vault flooded)
NA - Not Available
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the manhole



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)
- [676.63] — GROUNDWATER SURFACE ELEVATION IN FEET AMSL
- [NA] — NOT AVAILABLE
- 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 OCTOBER 9, 2023.

0 15 30 60
SCALE IN FEET

AECOM

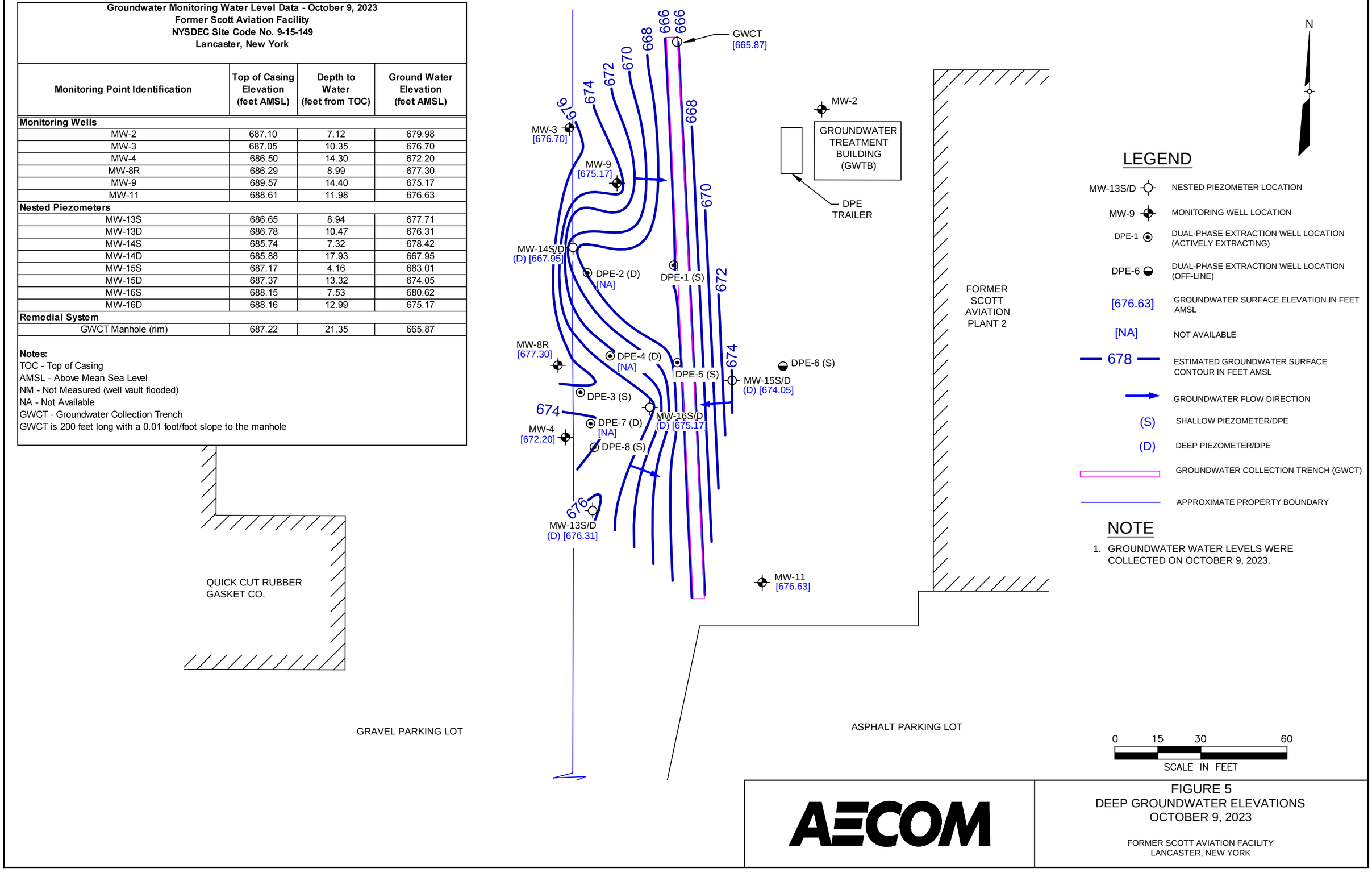
FIGURE 4
AVERAGE GROUNDWATER ELEVATIONS
OCTOBER 9, 2023

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Groundwater Monitoring Water Level Data - October 9, 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)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	7.12	679.98
MW-3	687.05	10.35	676.70
MW-4	686.50	14.30	672.20
MW-8R	686.29	8.99	677.30
MW-9	689.57	14.40	675.17
MW-11	688.61	11.98	676.63
Nested Piezometers			
MW-13S	686.65	8.94	677.71
MW-13D	686.78	10.47	676.31
MW-14S	685.74	7.32	678.42
MW-14D	685.88	17.93	667.95
MW-15S	687.17	4.16	683.01
MW-15D	687.37	13.32	674.05
MW-16S	688.15	7.53	680.62
MW-16D	688.16	12.99	675.17
Remedial System			
GWCT Manhole (rim)	687.22	21.35	665.87

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
NM - Not Measured (well vault flooded)
NA - Not Available
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the manhole



NOTE

1. GROUNDWATER WATER LEVELS WERE COLLECTED ON OCTOBER 9, 2023.

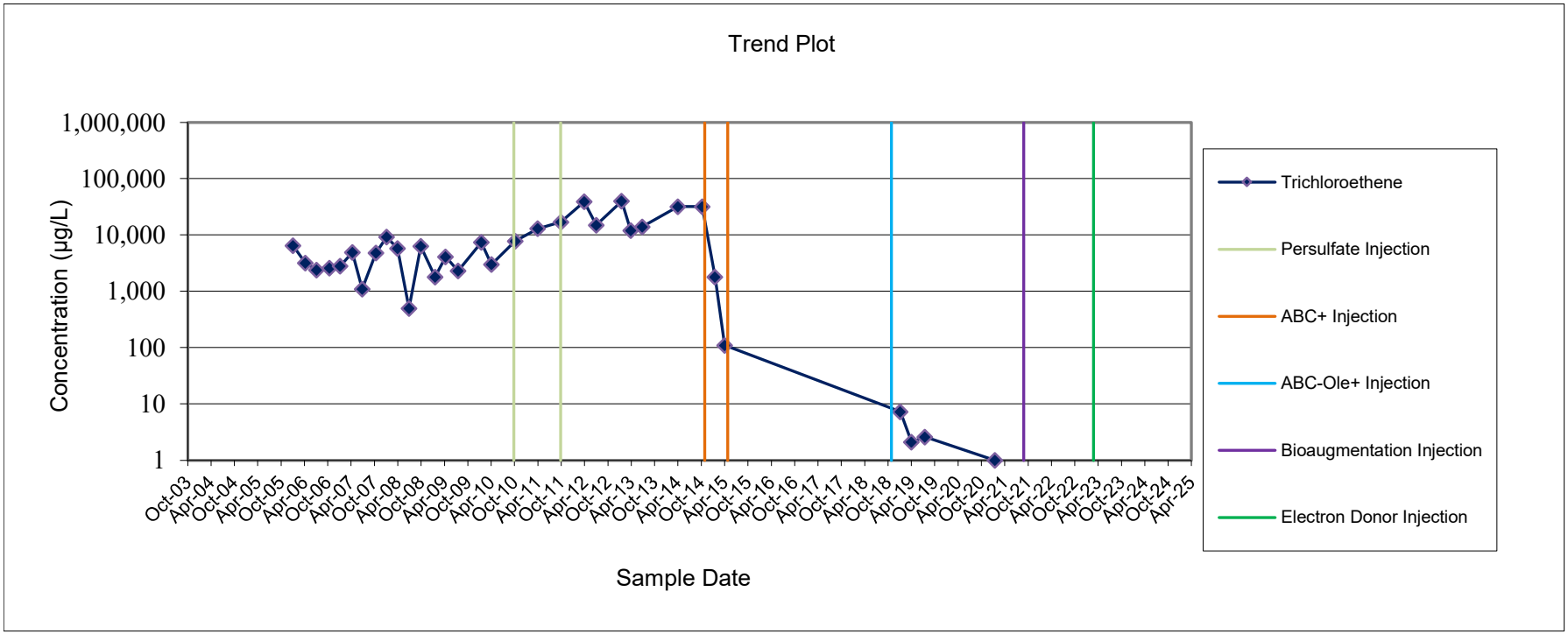
0 15 30 60
SCALE IN FEET

AECOM

FIGURE 5
DEEP GROUNDWATER ELEVATIONS
OCTOBER 9, 2023

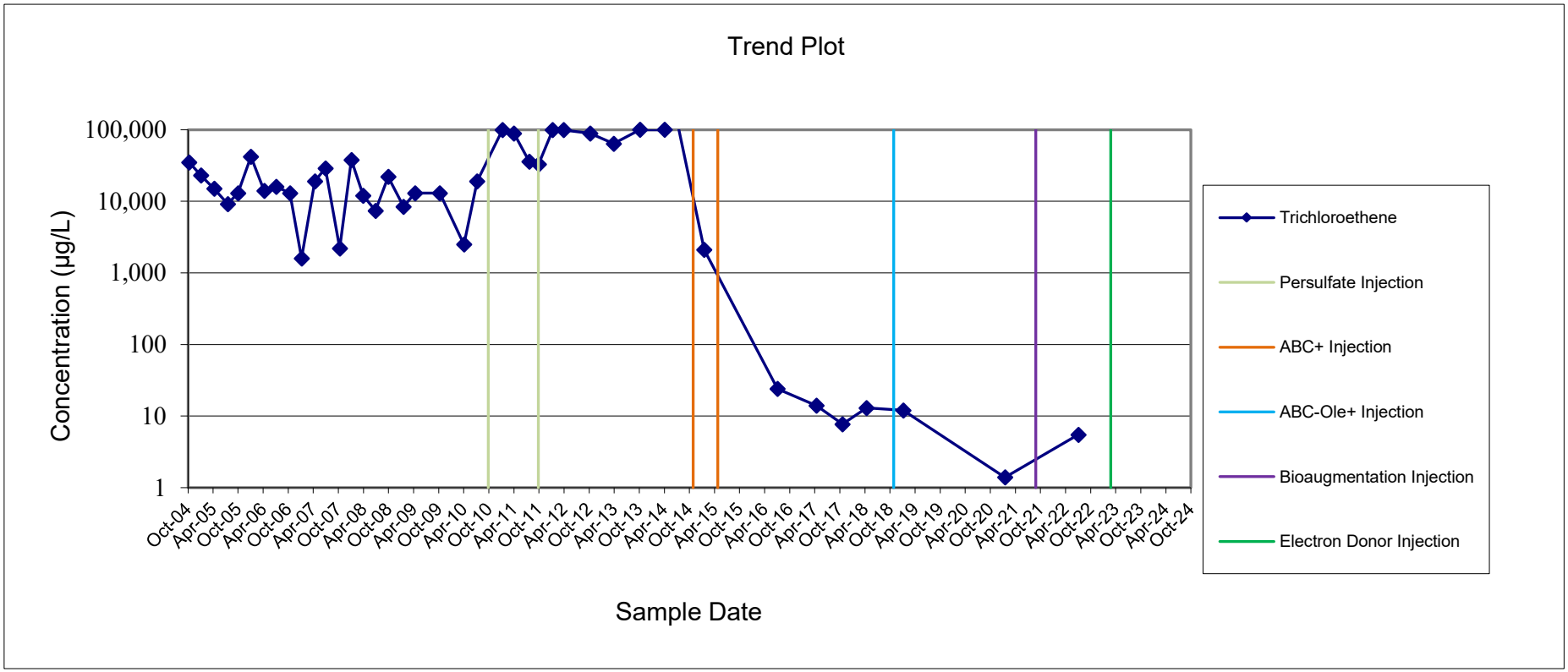
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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



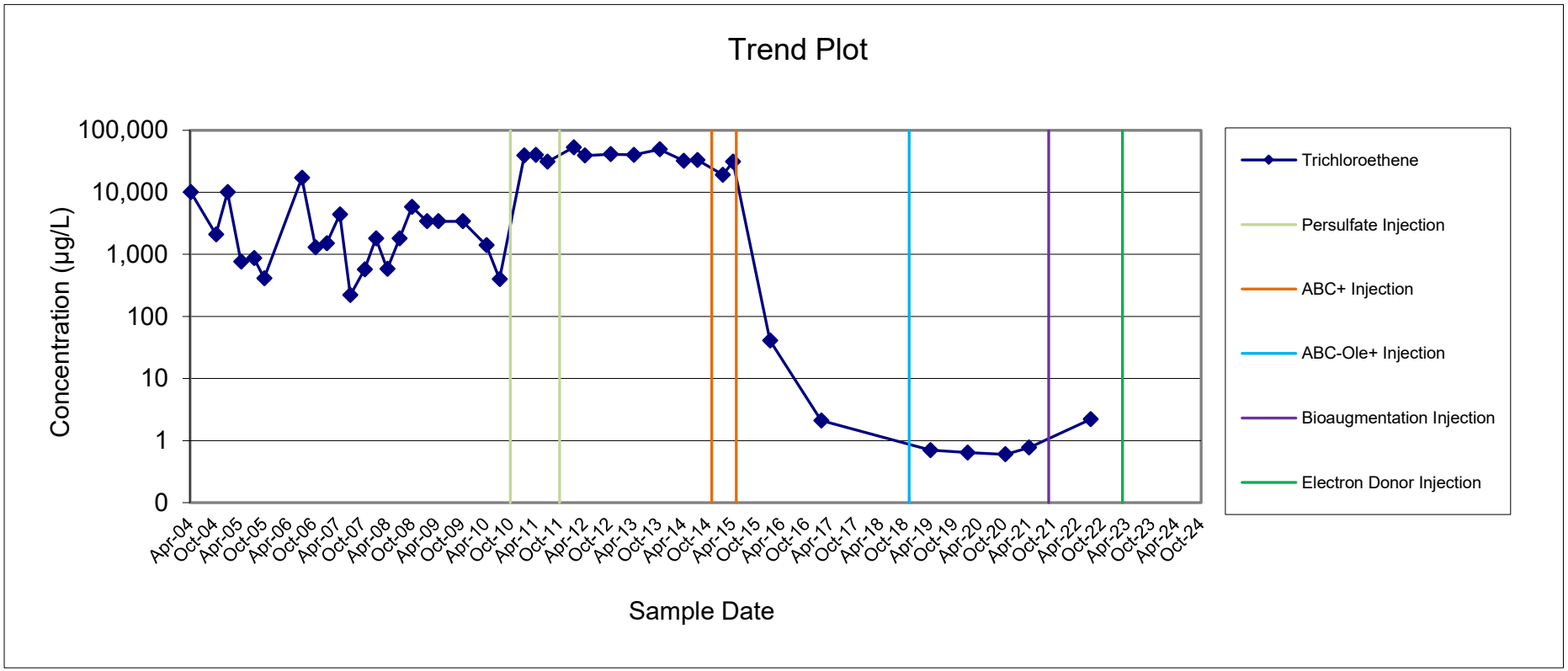
Note: TCE has not been detected since January 20, 2021.

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



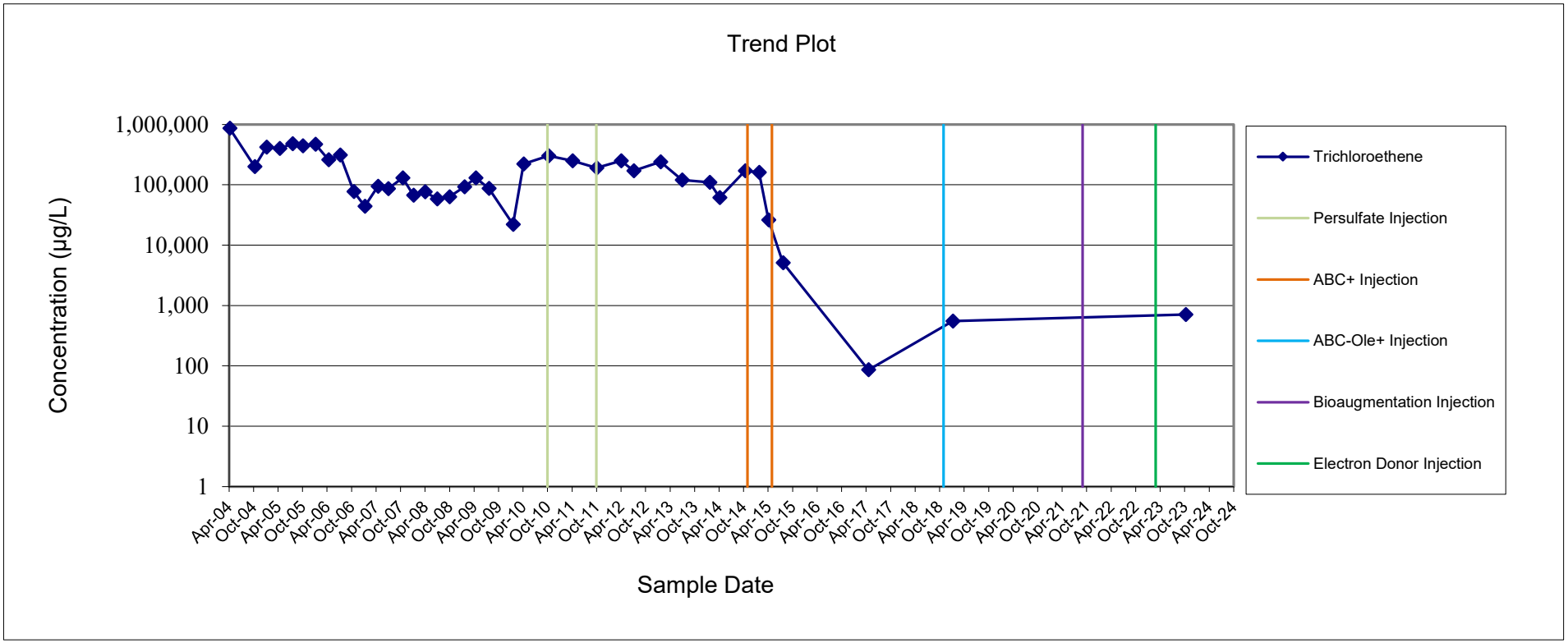
Note: TCE has not been detected since January 20, 2021.

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



Note: TCE was not 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



Appendix A

October 2023 Field Forms

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/10/2023
Field Personnel: C. Horrocks
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-2
Upgradient: ___ X Downgradient
Weather Conditions: Cloudy
Air Temperature: 46°F
Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.15 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 9.25 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 1.5 gal
3 Casing Volumes = 4.5 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 2.0 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 687.1 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

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)	3	H_2SO_4, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Time (Military)	1215	1220	1225	1230	1235	1240	1245	1250
Depth to Groundwater Below Top of Casing (ft)	8.00	8.23	8.58	8.87	9.21	9.50	9.88	10.25
Drawdown (ft)	-0.85	-0.23	-0.35	-0.29	-0.34	-0.29	-0.38	-0.37
pH (S.U.)	6.74	6.74	6.75	6.74	6.73	6.71	6.72	6.70
Sp. Cond. (mS/cm)	1.72	1.72	1.71	1.70	1.67	1.49	1.50	1.49
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
Water Temperature (°C)	14.2	14.4	14.6	14.7	14.8	14.9	15.0	15.0
ORP (mV)	2.3	-7.7	-17.8	-24.8	-31.3	-32.1	-32.4	-32.3

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

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

COMMENTS/OBSERVATIONS: Start purging at 12:11hrs; sample at 12:50hrs.
YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/10/2023
Field Personnel: C. Horrocks
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-3
Upgradient: ___ X Downgradient
Weather Conditions: Rain
Air Temperature: 46°F
Total Depth (TWD) Below Top of Casing = 28.0 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 10.20 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 17.8 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.9 gal
3 Casing Volumes = 8.7 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 2.0 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 687.05 1/100 ft
Height of Riser (above land surface): 1.45 1/100 ft
Land Surface Elevation: 685.60 1/100 ft
Screened Interval (below land surface): 7.5 - 27.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC (9060A)	3	H_2SO_4, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Time (Military)	1105	1110	1115	1120	1125	1130	1135	1140
Depth to Groundwater Below Top of Casing (ft)	10.67	11.42	12.21	13.12	13.41	13.65	13.73	13.82
Drawdown (ft)	-0.47	-0.75	-0.79	-0.91	-0.29	-0.24	-0.08	-0.09
pH (S.U.)	7.10	7.10	7.11	7.12	7.13	7.14	7.15	7.16
Sp. Cond. (mS/cm)	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.10
Turbidity (NTUs)	21.4	12.4	12.7	11.8	10.3	9.63	9.12	8.71
Dissolved Oxygen (mg/L)	1.8	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Water Temperature (°C)	11.7	11.7	11.7	11.6	11.7	11.7	11.7	11.7
ORP (mV)	111.9	74.3	71.8	66,8	65.4	67.3	70.0	66.8

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

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

COMMENTS/OBSERVATIONS: Start purging at 11:02hrs; sample at 11:40hrs.
YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	10/10/2023	Casing Diameter	2 inches
Field Personnel	C. Horrocks	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	686.5 1/100 ft
Job #	**60538931**	Height of Riser (above land surface)	-0.39 1/100 ft
Well ID #	MW-4	Land Surface Elevation	686.89 1/100 ft
	Upgradient X Downgradient	Screened Interval (below land surface)	15.5 - 25.5 1/100 ft
Weather Conditions	Light Rain		
Air Temperature	46°F		
Total Depth (TWD) Below Top of Casing =	26 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	14.18 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	11.82 1/100 ft		
1 Casing Volume (OCV) = LWC x	0.163 = 1.93 gal		
3 Casing Volumes =	5.8 gal		
Method of Well Evacuation	Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump/Poly Tubing		
Total Volume of Water Removed	1.5 gal		

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)	3	H_2SO_4, 4°C	
Misc	MNA	12	Misc	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	900	905	910	915	920			
Depth to Groundwater Below Top of Casing (ft)	14.83	15.75	16.81	17.91	18.93			
Drawdown (ft)	-0.65	-0.92	-1.06	-1.10	-1.02			
pH (S.U.)	6.16	6.25	6.31	6.27	6.26			
Sp. Cond. (mS/cm)	4.71	6.23	6.23	6.22	6.17			
Turbidity (NTUs)	Overrange	Overrange	Overrange	Overrange	Overrange			
Dissolved Oxygen (mg/L)	2.2	1.6	1.4	1.3	1.2			
Water Temperature (°C)	12.4	12.2	12.1	12.2	12.2			
ORP (mV)	-11.0	-22.9	-32.1	-26.8	-27.0			

Physical appearance at start — Color: White; Odor: Yes; Sheen/Free Product: None

Physical appearance at sampling — Color: Cloudy; Odor: Yes; Sheen/Free Product: None

COMMENTS/OBSERVATIONS: Start purging at 08:56hrs, previously purged 2.5 gallons from well on 10/9/23. Sample at 09:20hrs on 10/10/23.

YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/9/2023
Field Personnel: C. Horrocks
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-8R
Upgradient: ___ X Downgradient
Weather Conditions: Cloduy, Breezy
Air Temperature: 50°F
Total Depth (TWD) Below Top of Casing = 22.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8.98 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 13.52 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.2 gal
3 Casing Volumes = 6.6 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 2.0 gal

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

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC (9060A)	3	H_2SO_4, 4°C	
Misc	MNA	12	Misc	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Time (Military)	1110	1115	1120	1125	1130	1135	1140	1145
Depth to Groundwater Below Top of Casing (ft)	9.57	11.01	12.43	14.00	14.91	16.20	17.53	18.93
Drawdown (ft)	-0.59	-1.44	-1.42	-1.57	-0.91	-1.29	-1.33	-1.40
pH (S.U.)	6.32	6.25	6.23	6.25	6.16	6.00	5.97	5.97
Sp. Cond. (S/cm)	1.51	1.47	1.47	1.48	1.46	1.49	1.47	1.49
Turbidity (NTUs)	Overrange	Overrange	Overrange	Overrange	Overrange	Overrange	Overrange	Overrange
Dissolved Oxygen (mg/L)	0.9	0.7	0.8	0.7	0.8	0.6	0.5	0.4
Water Temperature (°C)	14.3	14.5	14.6	14.6	14.1	13.5	13.7	13.6
ORP (mV)	-96.8	-110.6	-111.5	-113.5	-110.3	-109.3	-107.6	-107.3

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

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

COMMENTS/OBSERVATIONS: Start purging at 11:07hrs; sample at 11:45hrs, dry at 12:05hrs, collected MNA grab at 14:25hrs.
YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/9/2023
Field Personnel: C. Horrocks
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60538931**
Well ID #: MW-11
X Upgradient ____ Downgradient
Weather Conditions: Cloudy, Breezy
Air Temperature: 48°F
Total Depth (TWD) Below Top of Casing = 28.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 11.98 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 16.52 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.7 gal
3 Casing Volumes = 8.1 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 2.0 gal

Casing Diameter: 4
Casing Material: PVC
Measuring Point Elevation: 688.61
Height of Riser (above land surface): -0.26
Land Surface Elevation: 688.87
Screened Interval (below land surface): 8.5 - 28.5

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)	3	H_2SO_4, 4°C	
Misc	MNA	12	Misc	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Time (Military)	955	1000	1005	1010	1015	1020	1025	1030
Depth to Groundwater Below Top of Casing (ft)	12.21	12.53	12.76	12.95	13.11	13.23	13.31	13.42
Drawdown (ft)	-0.23	-0.32	-0.23	-0.19	-0.16	-0.12	-0.08	-0.11
pH (S.U.)	6.66	6.66	6.65	6.62	6.66	6.67	6.68	6.68
Sp. Cond. (S/cm)	6.15	6.18	6.19	6.17	6.12	6.13	6.14	6.15
Turbidity (NTUs)	11.7	9.61	9.16	9.35	9.27	6.30	5.23	5.18
Dissolved Oxygen (mg/L)	2.8	1.7	0.9	0.7	0.6	0.6	0.6	0.6
Water Temperature (°C)	13.4	13.4	13.5	13.5	13.5	13.5	13.6	13.5
ORP (mV)	147.2	146.5	158.4	146.7	118.7	67.3	67.0	67.2

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

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

COMMENTS/OBSERVATIONS: Start purging at 09:51hrs; sample at 10:30hrs.
YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	10/9/2023	Casing Diameter	1 inches
Field Personnel	C. Horrocks	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	686.65 1/100 ft
Job #	**60538931**	Height of Riser (above land surface)	-0.25 1/100 ft
Well ID #	MW-13S	Land Surface Elevation	686.90 1/100 ft
	Upgradient X Downgradient	Screened Interval (below land surface)	8.5-16.5 1/100 ft
Weather Conditions	Partly Cloudy, Breezy		
Air Temperature	51°F		
Total Depth (TWD) Below Top of Casing =	16.5 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	8.83 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	7.67 1/100 ft		
1 Casing Volume (OCV) = LWC x 0.041 =	0.3 gal		
3 Casing Volumes =	0.9 gal		
Method of Well Evacuation	Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump/Poly Tubing		
Total Volume of Water Removed	1.5 gal		

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)	3	H_2SO_4, 4°C	
Misc	MNA	12	Misc	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200		
Time (Military)	1220	1225	1230	1235	1240	1245		
Depth to Groundwater Below Top of Casing (ft)	9.18	9.53	10.06	10.62	11.71	12.36		
Drawdown (ft)	-0.35	-0.35	-0.53	-0.56	-1.09	-0.65		
pH (S.U.)	7.09	7.16	7.12	7.11	7.13	7.12		
Sp. Cond. (mS/cm)	1.32	1.33	1.36	1.37	1.38	1.35		
Turbidity (NTUs)	664	83.6	24.5	23.0	23.6	22.8		
Dissolved Oxygen (mg/L)	0.6	0.5	0.4	0.4	0.4	0.4		
Water Temperature (°C)	13.2	13.6	13.9	13.8	13.7	13.6		
ORP (mV)	-65.3	-70.2	-69.5	-61.0	-55.1	-63.0		

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

COMMENTS/OBSERVATIONS: Start purging at 12:18hrs; sample at 12:45hrs.

YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	10/10/2023	Casing Diameter	1 inches
Field Personnel	C. Horrocks	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	686.78 1/100 ft
Job #	**60538931**	Height of Riser (above land surface)	-0.12 1/100 ft
Well ID #	MW-13D	Land Surface Elevation	686.90 1/100 ft
	Upgradient X Downgradient	Screened Interval (below land surface)	19.5-23.5 1/100 ft
Weather Conditions	Rain		
Air Temperature	46°F		
Total Depth (TWD) Below Top of Casing =	23.5 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	10.36 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	13.14 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		

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)	3	H_2SO_4, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200		
Time (Military)	1020	1025	1030	1035	1040	1045		
Depth to Groundwater Below Top of Casing (ft)	11.62	12.82	14.42	15.62	17.08	17.93		
Drawdown (ft)	-1.26	-1.20	-1.60	-1.20	-1.46	-0.85		
pH (S.U.)	6.67	6.85	6.99	7.07	7.09	7.06		
Sp. Cond. (mS/cm)	1.44	1.36	1.29	1.28	1.27	1.26		
Turbidity (NTUs)	28.5	24.2	13.0	9.65	9.03	8.76		
Dissolved Oxygen (mg/L)	0.7	0.5	0.4	0.3	0.3	0.3		
Water Temperature (°C)	12.3	12.1	12.1	12.1	12.1	12.0		
ORP (mV)	-11.5	-21.0	-28.5	-41.3	-41.0	-42.2		

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

COMMENTS/OBSERVATIONS: Start purging at 10:19hrs; sample at 10:45hrs.

YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	10/9/2023	Casing Diameter	1 inches
Field Personnel	C. Horrocks	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	688.15 1/100 ft
Job #	**60538931**	Height of Riser (above land surface)	2.46 1/100 ft
Well ID #	MW-16S	Land Surface Elevation	685.69 1/100 ft
	Upgradient X Downgradient	Screened Interval (below land surface)	12 - 18 1/100 ft
Weather Conditions	Partly Cloudy, Breezy		
Air Temperature	53°F		
Total Depth (TWD) Below Top of Casing =	15.4 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	7.53 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	7.87 1/100 ft		
1 Casing Volume (OCV) = LWC x 0.041 =	0.3 gal		
3 Casing Volumes =	1.0 gal		
Method of Well Evacuation	Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump/Poly Tubing		
Total Volume of Water Removed	0.5 gal		

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)	3	H_2SO_4, 4°C	
Misc	MNA	12	Misc	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200				
Time (Military)	1358	1403	1408	1413				
Depth to Groundwater Below Top of Casing (ft)	8.63	11.12	14.35	17.58				
Drawdown (ft)	-1.10	-2.49	-3.23	-3.23				
pH (S.U.)	6.89	6.38	6.43	6.49				
Sp. Cond. (mS/cm)	3.12	3.94	4.14	4.19				
Turbidity (NTUs)	Overrange	Overrange	Overrange	Overrange				
Dissolved Oxygen (mg/L)	0.8	0.3	0.3	0.2				
Water Temperature (°C)	13.5	13.5	13.4	13.4				
ORP (mV)	-79.7	-64.3	-79.4	-85.1				

Physical appearance at start	Color White	Physical appearance at sampling	Color Cloudy
	Odor Yes		Odor Yes
Sheen/Free Product	None	Sheen/Free Product	Yes

COMMENTS/OBSERVATIONS: Start purging at 13:54hrs, dry at 14:15hrs; sample at 08:30 on 10/10/23.

YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	10/9/2023	Casing Diameter	1 inches
Field Personnel	C. Horrocks	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	688.16 1/100 ft
Job #	**60538931**	Height of Riser (above land surface)	2.47 1/100 ft
Well ID #	MW-16D	Land Surface Elevation	685.69 1/100 ft
	Upgradient X Downgradient	Screened Interval (below land surface)	20-24 1/100 ft
Weather Conditions	Cloudy, Breezy		
Air Temperature	52°F		
Total Depth (TWD) Below Top of Casing =	24 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	13.08 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	10.92 1/100 ft		
1 Casing Volume (OCV) = LWC x 0.041 =	0.4 gal		
3 Casing Volumes =	1.3 gal		
Method of Well Evacuation	Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump/Poly Tubing		
Total Volume of Water Removed	1.0 gal		

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)	3	H_2SO_4, 4°C	
Misc	MNA	12	Misc	

FIELD ANALYSES

Flow Rate (ml/min)	200	150	150	150	150	150		
Time (Military)	1215	1220	1225	1230	1235	1240		
Depth to Groundwater Below Top of Casing (ft)	15.41	17.08	19.80	22.13	23.85	24.92		
Drawdown (ft)	-2.33	-1.67	-2.72	-2.33	-1.72	-1.07		
pH (S.U.)	6.65	6.62	6.63	6.64	6.83	6.93		
Sp. Cond. (mS/cm)	1.92	2.14	2.71	2.97	3.81	4.52		
Turbidity (NTUs)	Overrange	Overrange	Overrange	Overrange	Overrange	Overrange		
Dissolved Oxygen (mg/L)	2.0	0.4	0.4	0.4	0.3	0.3		
Water Temperature (°C)	12.5	12.4	12.4	12.3	12.3	12.3		
ORP (mV)	-40.1	-57.7	-72.6	-75.6	-88.2	-83.5		

Physical appearance at start	Color White	Physical appearance at sampling	Color Cloudy
	Odor Yes		Odor None
Sheen/Free Product	None	Sheen/Free Product	None

COMMENTS/OBSERVATIONS: Start purging at 13:18hrs, dry at 13:47hrs; sample at 14:50hrs.

YSI Pro Plus instrument ID - 36431; LaMotte 2020WE turbidity meter instrument ID - 24657

Appendix B

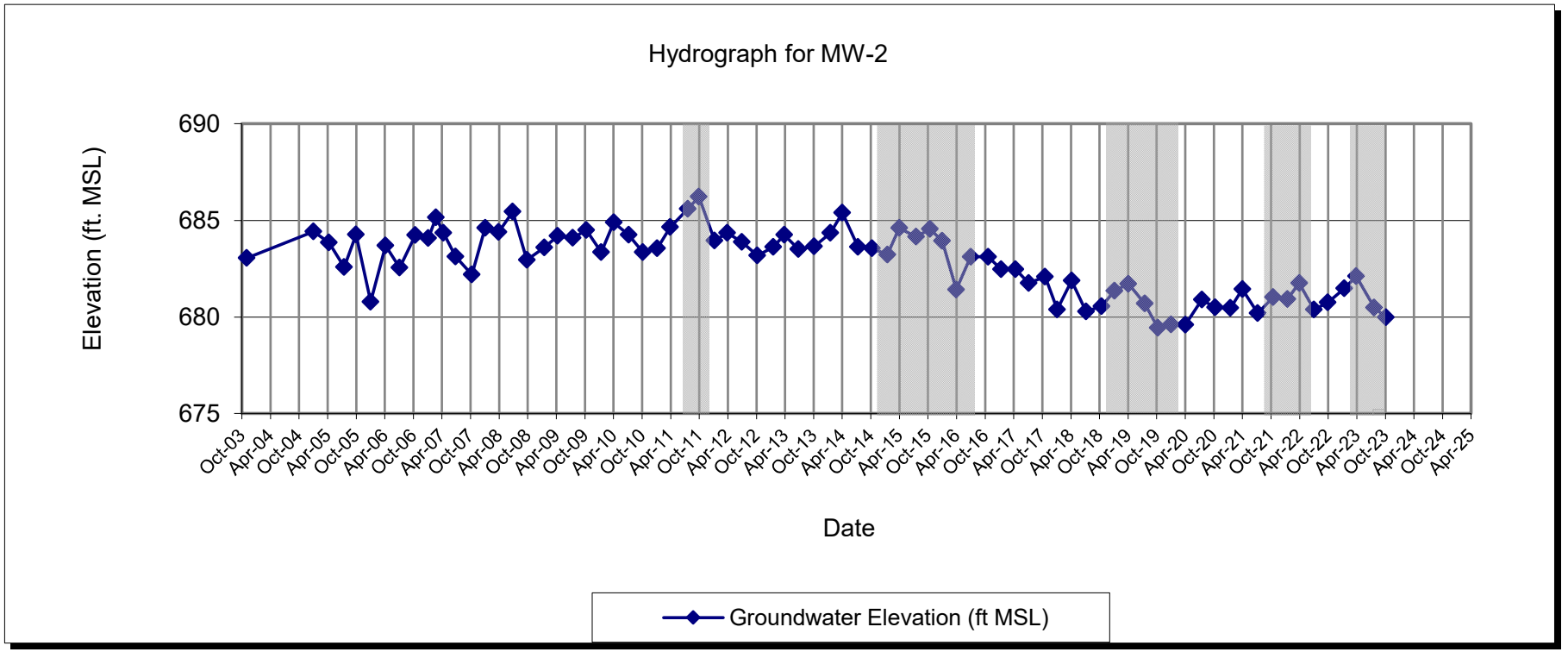
Current and Historical Summary of Groundwater Elevations

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
4/3/2023	4.99	682.11
7/26/2023	6.61	680.49
10/9/2023	7.12	679.98

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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
4/3/2023	8.33	678.72
7/26/2023	9.65	677.40
10/9/2023	10.35	676.70

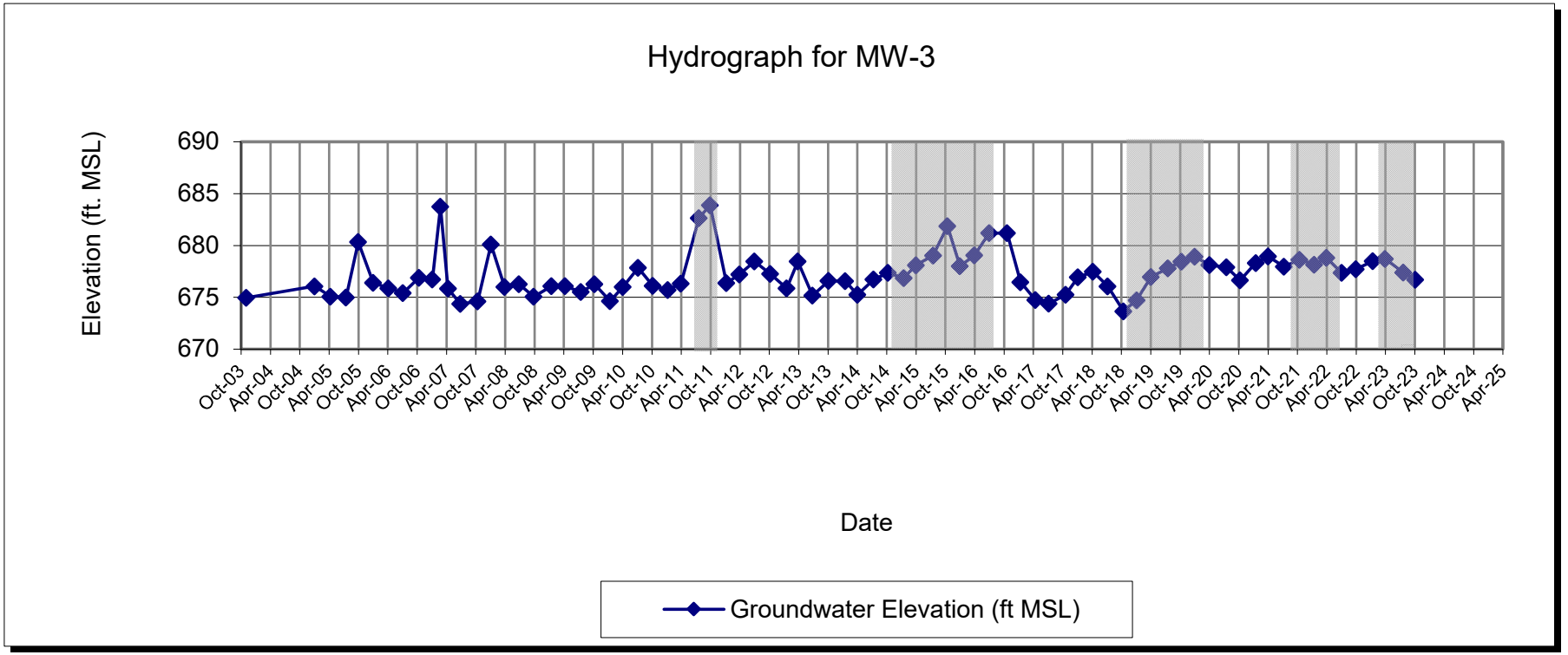
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.72
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured June 13, 2008 at 687.02
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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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
4/3/2023	8.93	677.57
7/28/2023	12.15	674.35
10/9/2023	14.30	672.20

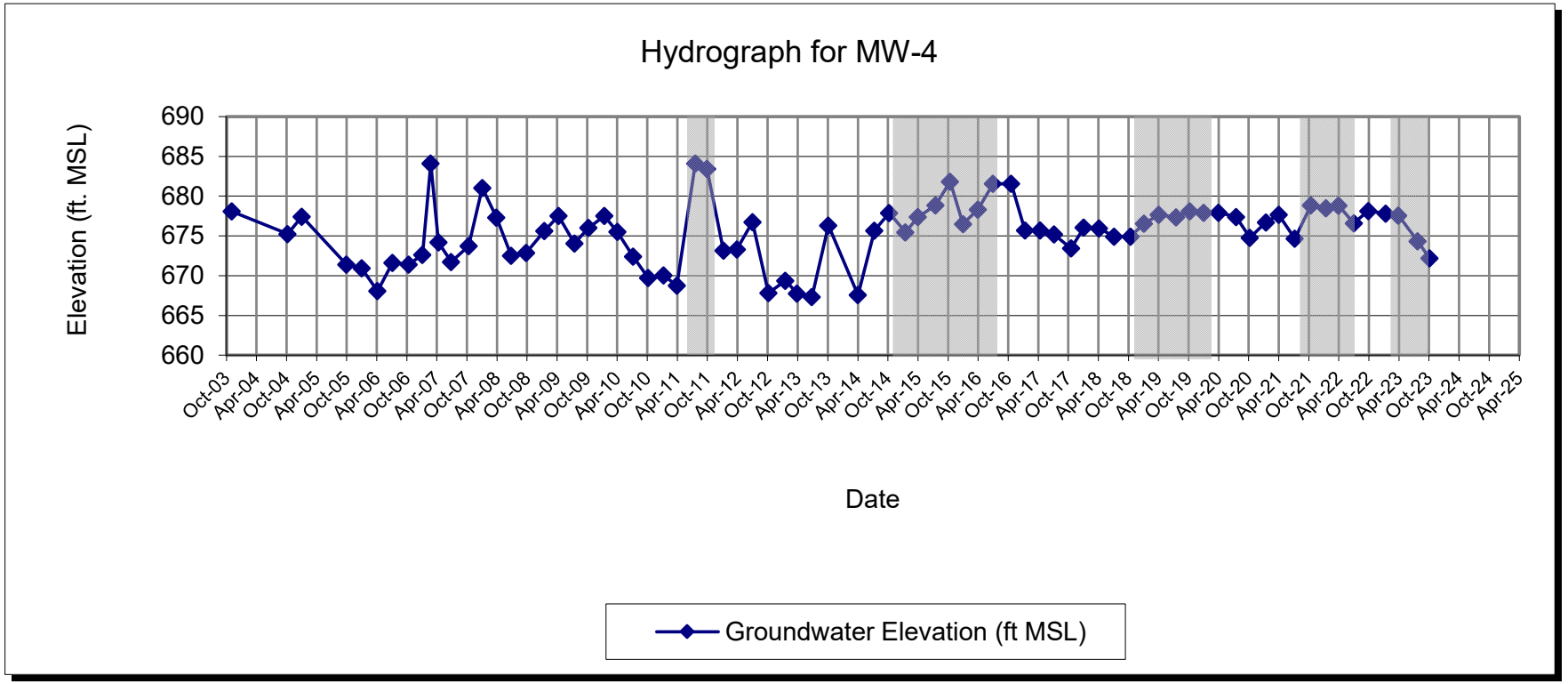
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.64
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

MONITORING WELL MW-4

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site - West of Plant 2

Lancaster, New York

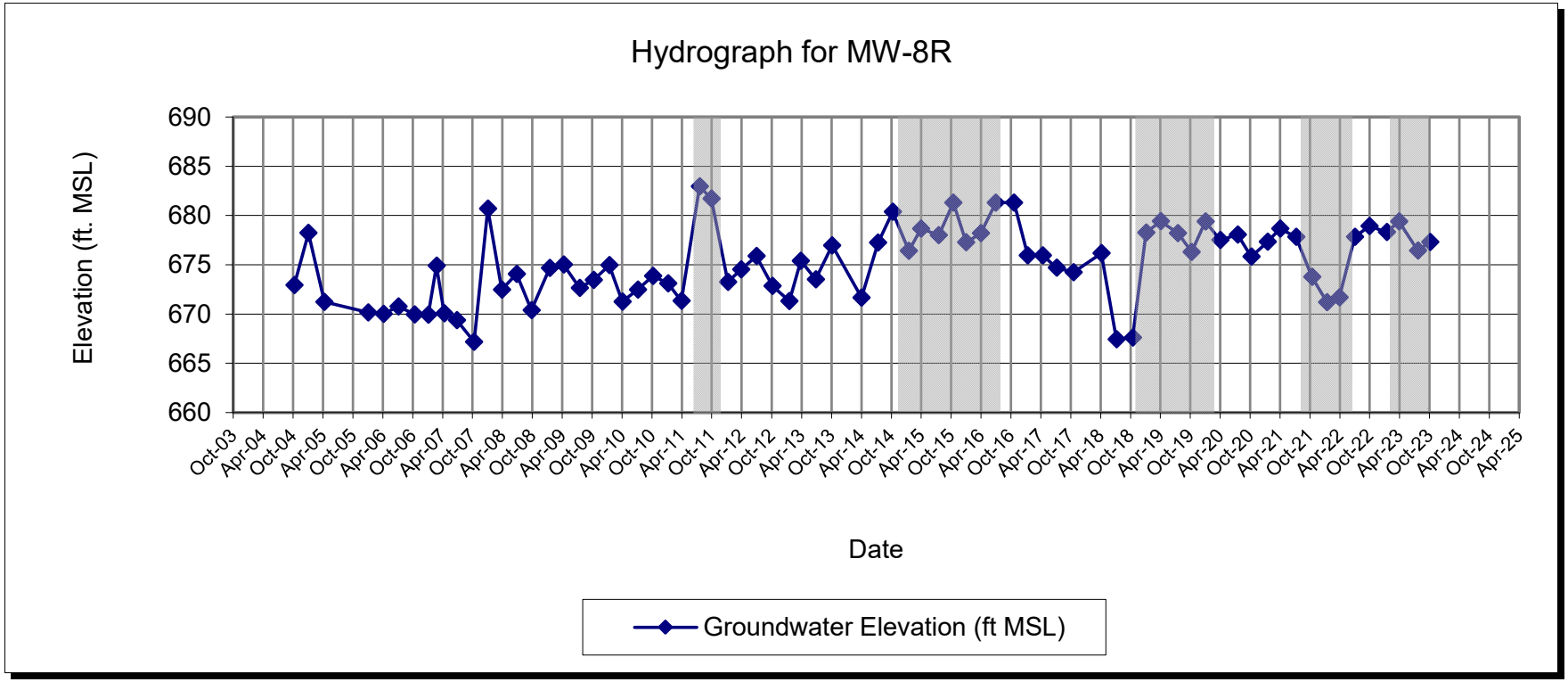


MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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
4/3/2023	6.90	679.39
7/27/2023	9.85	676.44
10/9/2023	8.99	677.30

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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

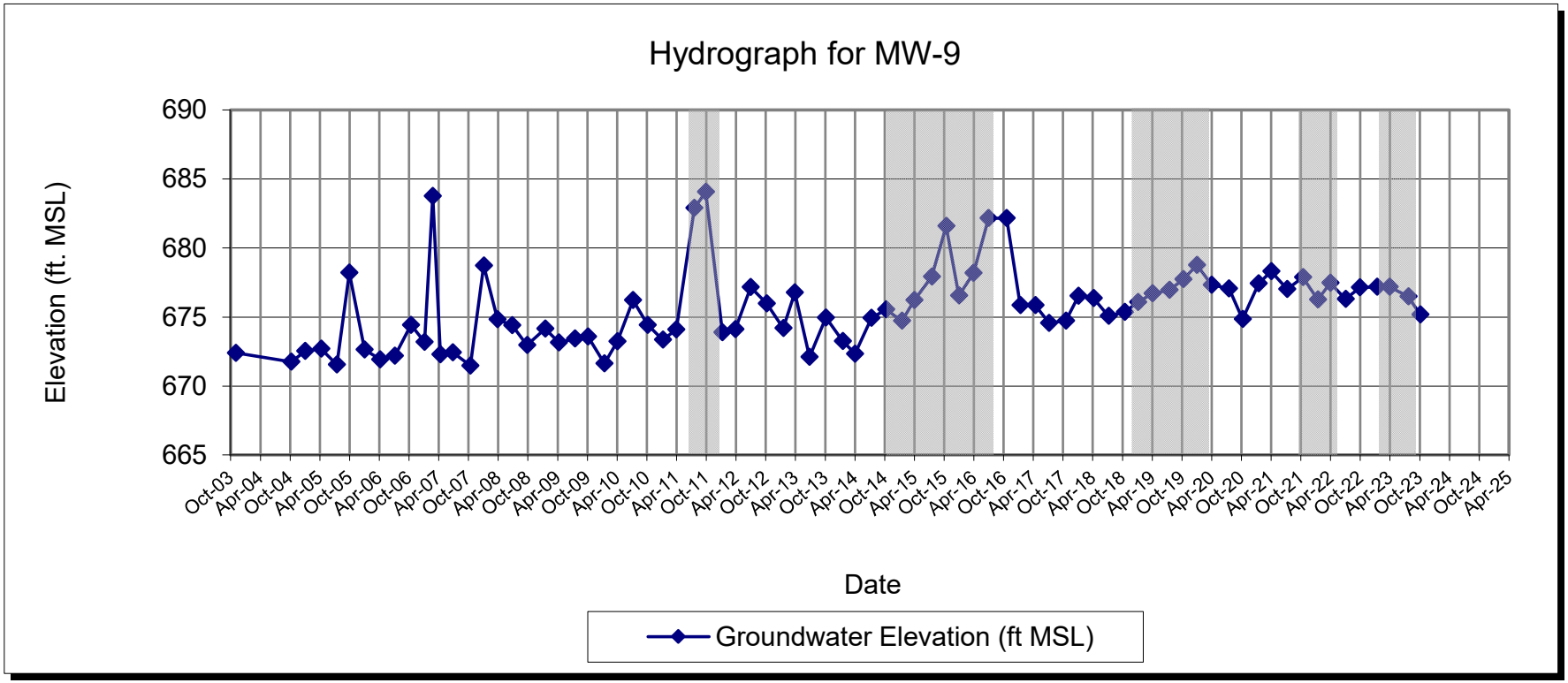


MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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
4/3/2023	12.38	677.19
7/28/2023	13.08	676.49
10/9/2023	14.40	675.17

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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

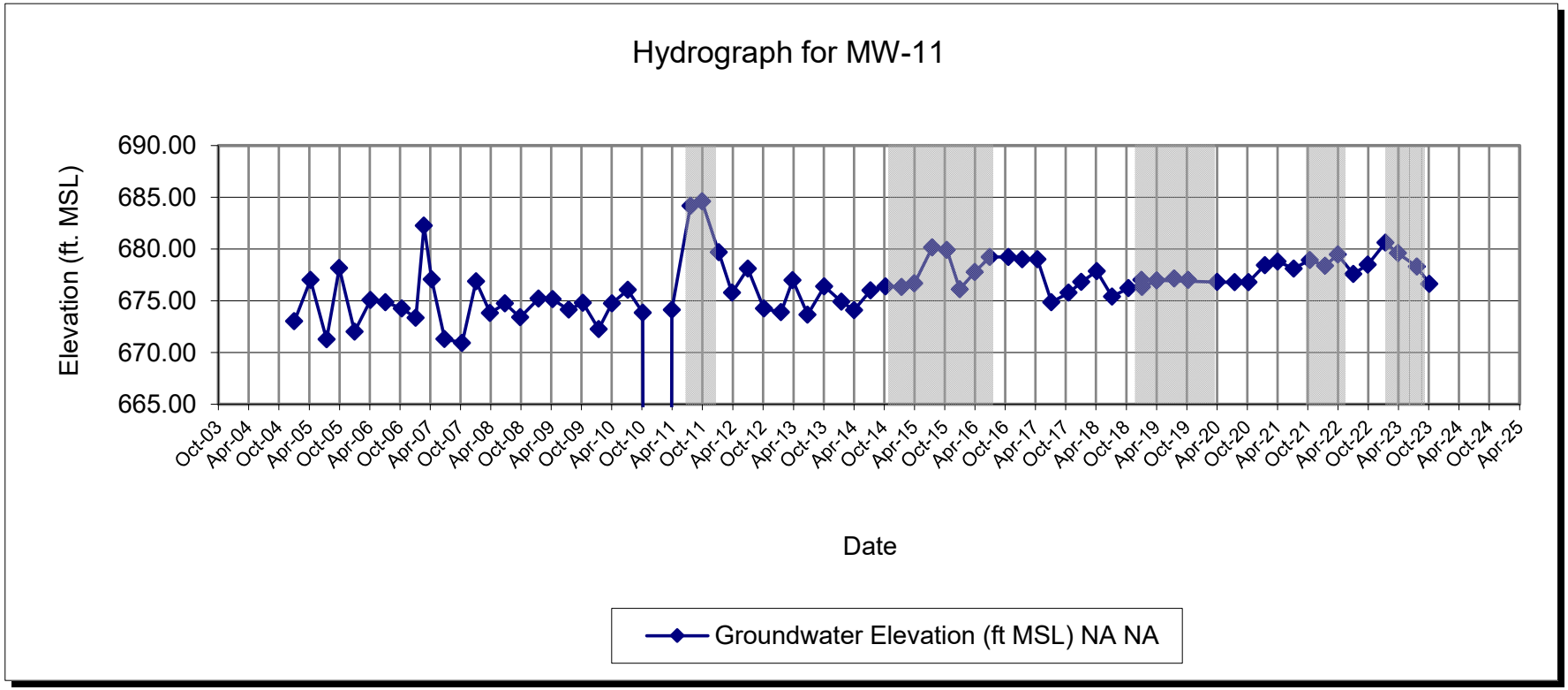


MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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
4/3/2023	9.01	679.60
7/26/2023	10.31	678.30
10/9/2023	11.98	676.63

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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



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
4/3/2023	9.20	677.45
7/27/2023	7.71	678.94
10/9/2023	8.94	677.71

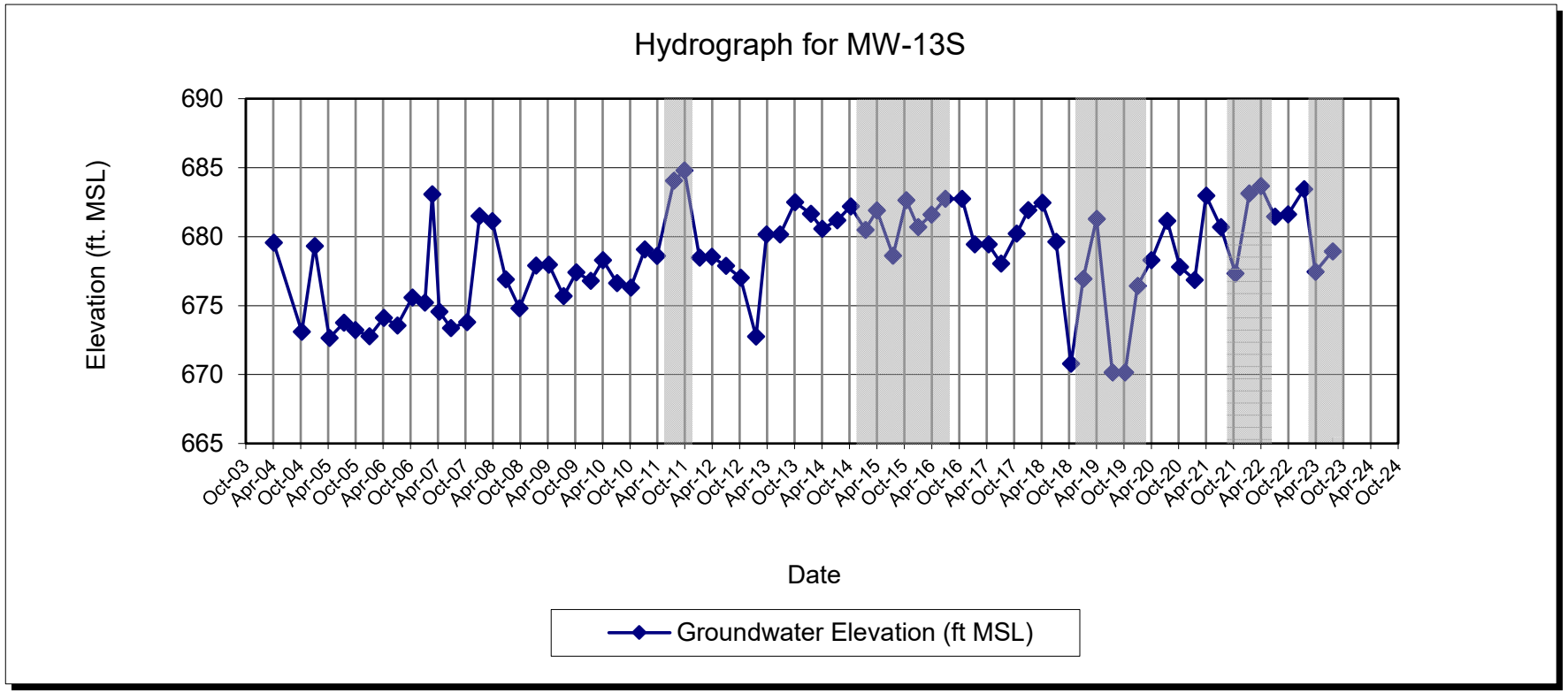
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.57
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

MONITORING WELL MW-13S

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site - West of Plant 2

Lancaster, New York

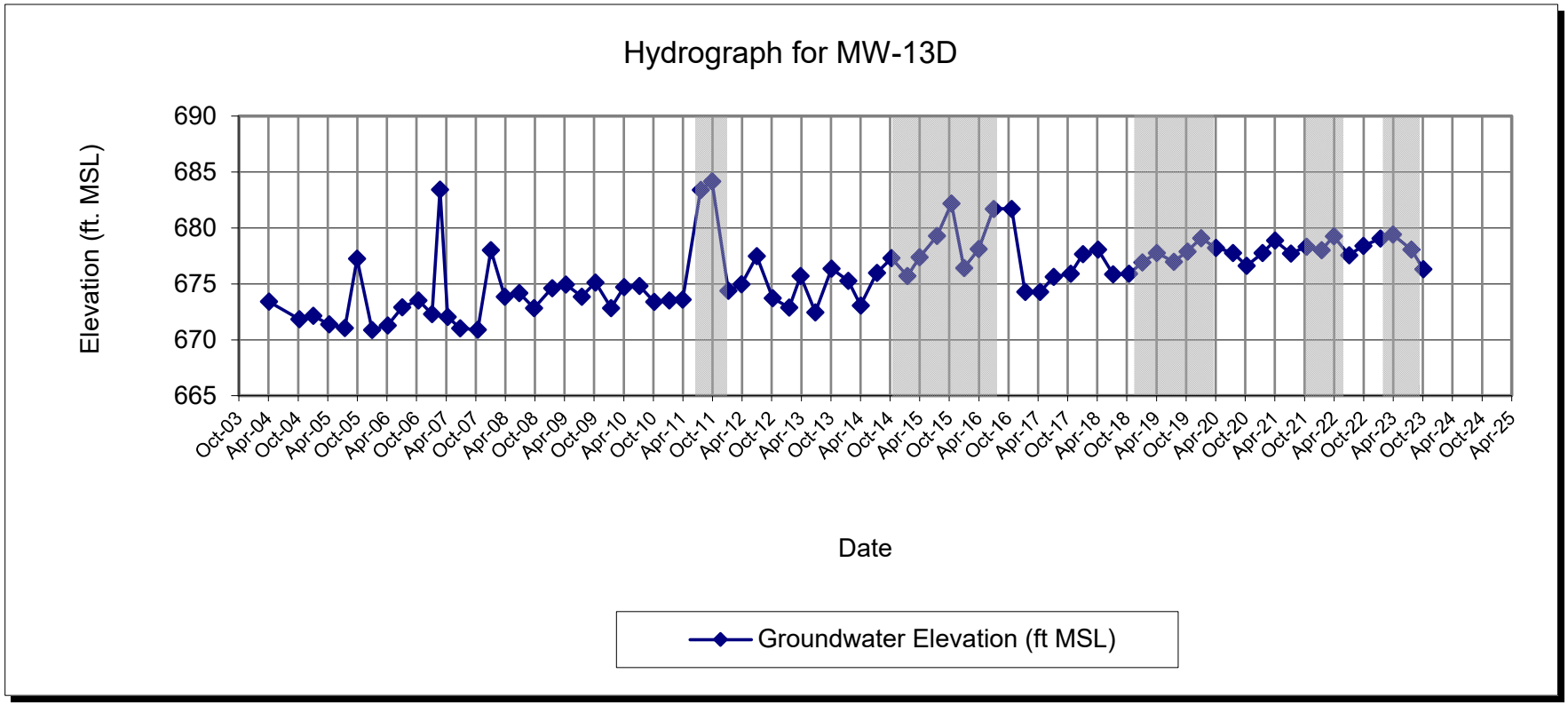


MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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
4/3/2023	7.35	679.43
7/27/2023	8.70	678.08
10/9/2023	10.47	676.31

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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

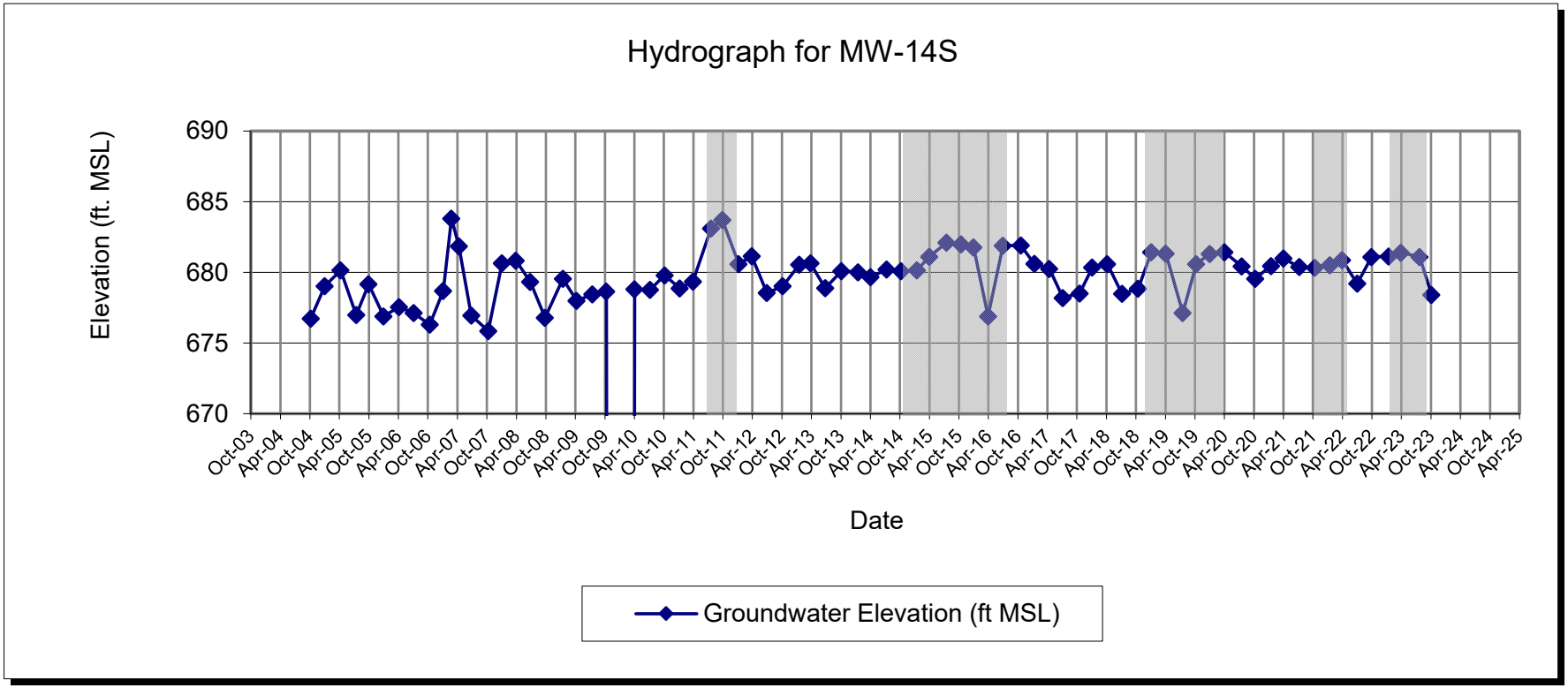


MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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
4/3/2023	4.34	681.40
7/28/2023	4.64	681.10
10/9/2023	7.32	678.42

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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

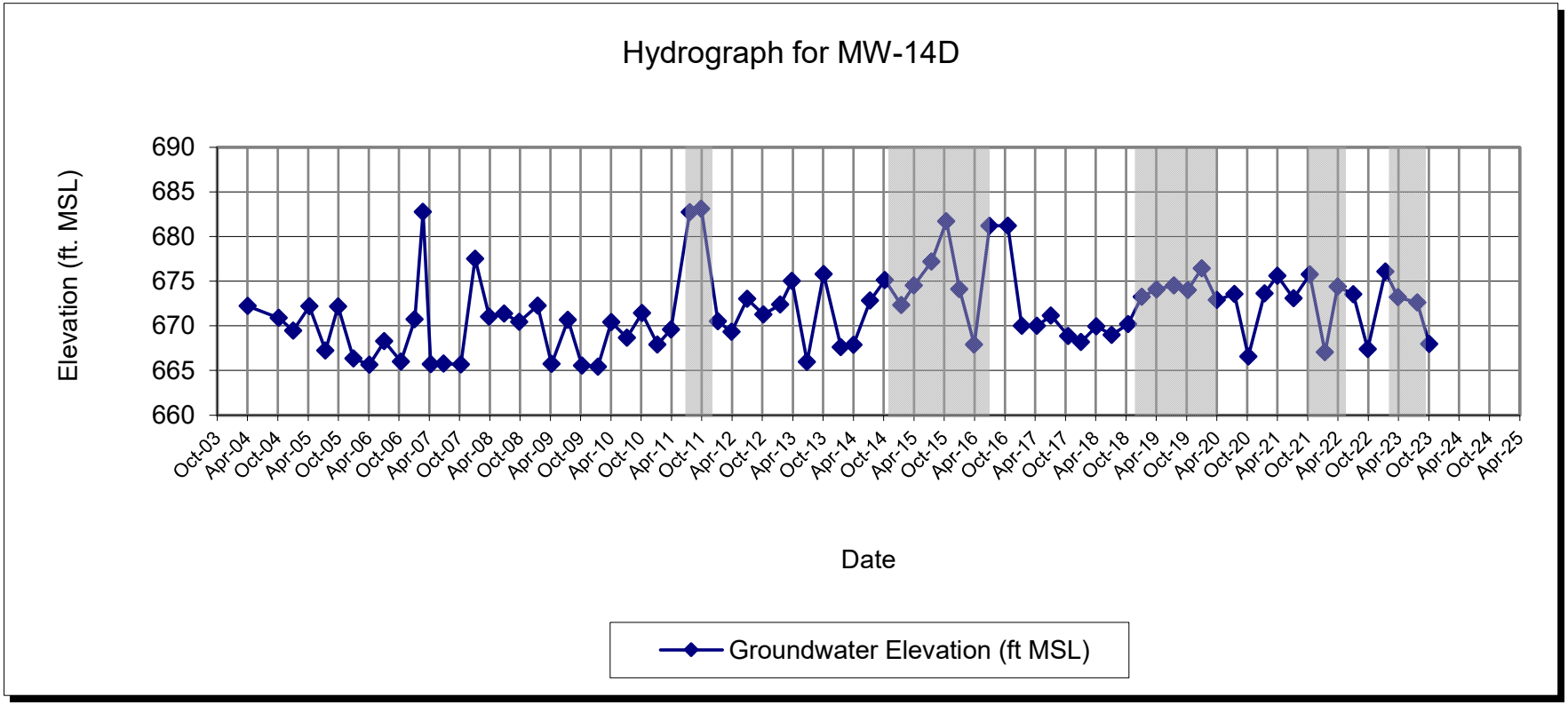


MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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
4/3/2023	12.68	673.20
7/28/2023	13.27	672.61
10/9/2023	17.93	667.95

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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

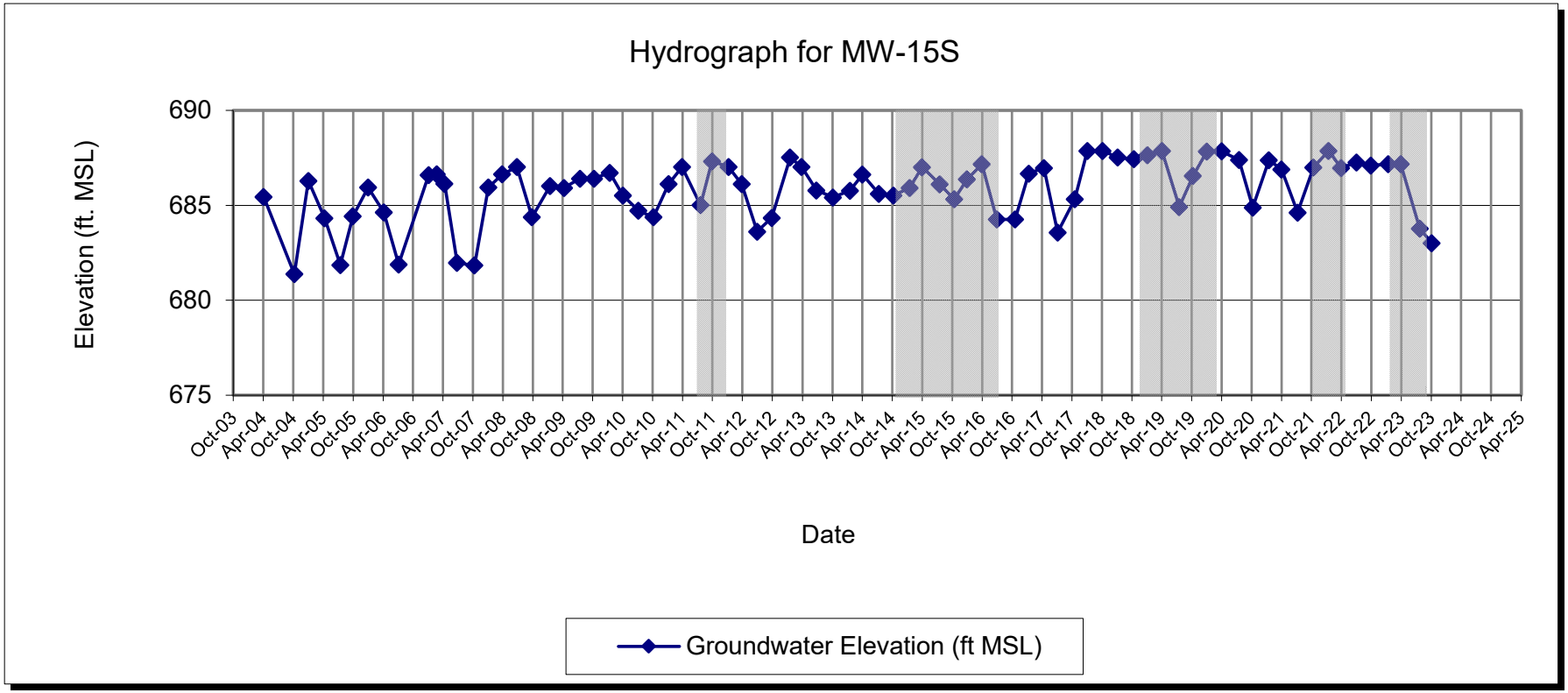


MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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	687.17
4/3/2023	0.00	687.17
7/28/2023	3.40	683.77
10/9/2023	4.16	683.01

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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

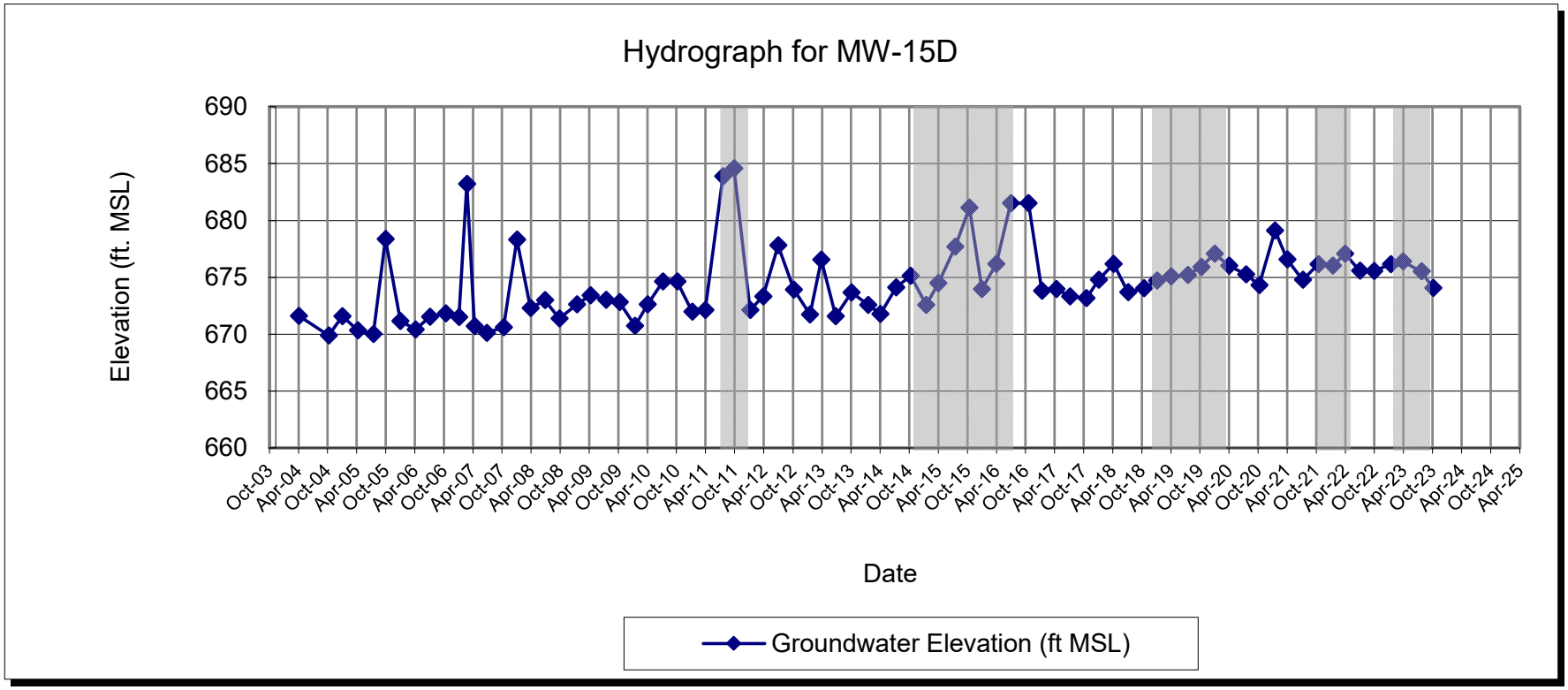


MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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
4/3/2023	10.98	676.39
7/28/2023	11.85	675.52
10/9/2023	13.32	674.05

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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

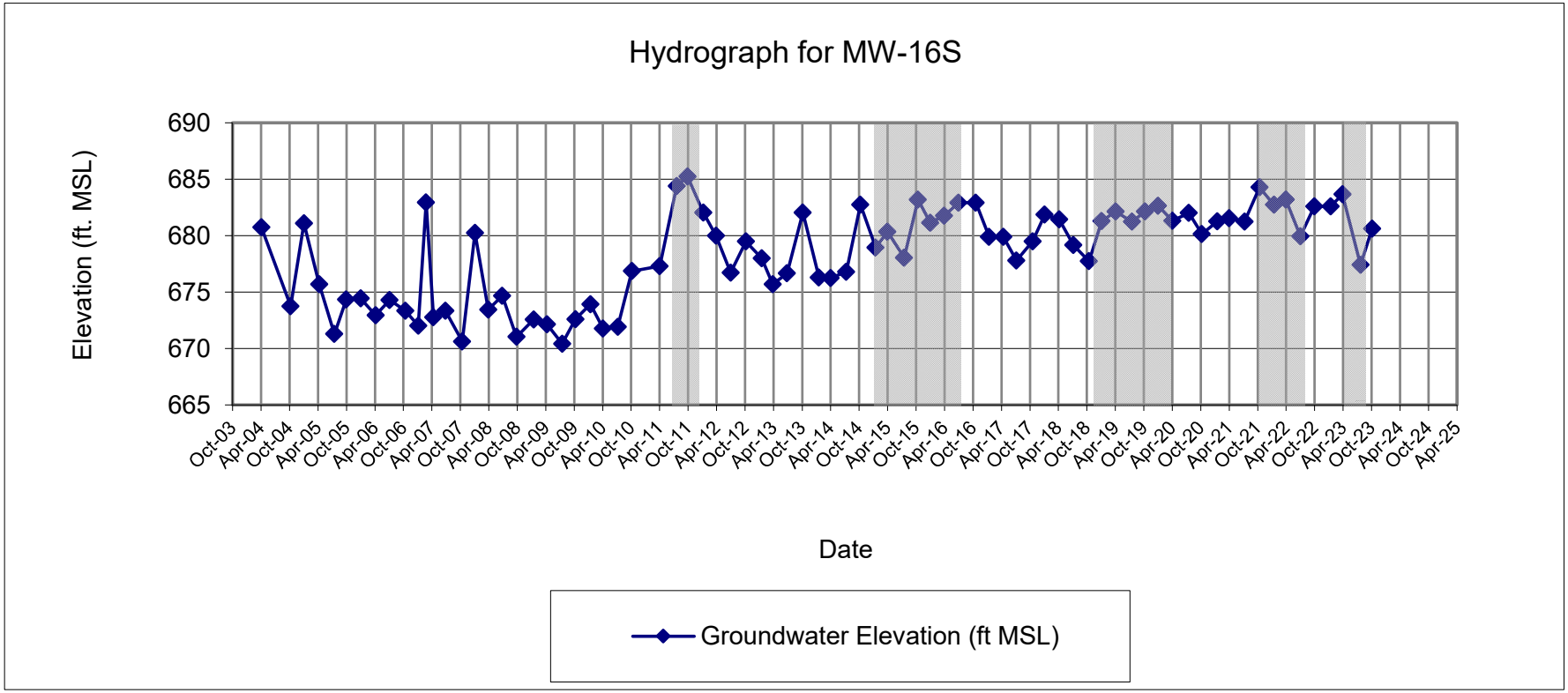


MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site - West of Plant 2
Lancaster, New York

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
4/3/2023	4.49	683.66
7/28/2023	10.74	677.41
10/9/2023	7.53	680.62

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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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	675.40
10/18/2006	15.41	670.60
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
4/3/2023	10.17	677.99
7/28/2023	11.60	676.56
10/9/2023	12.99	675.17

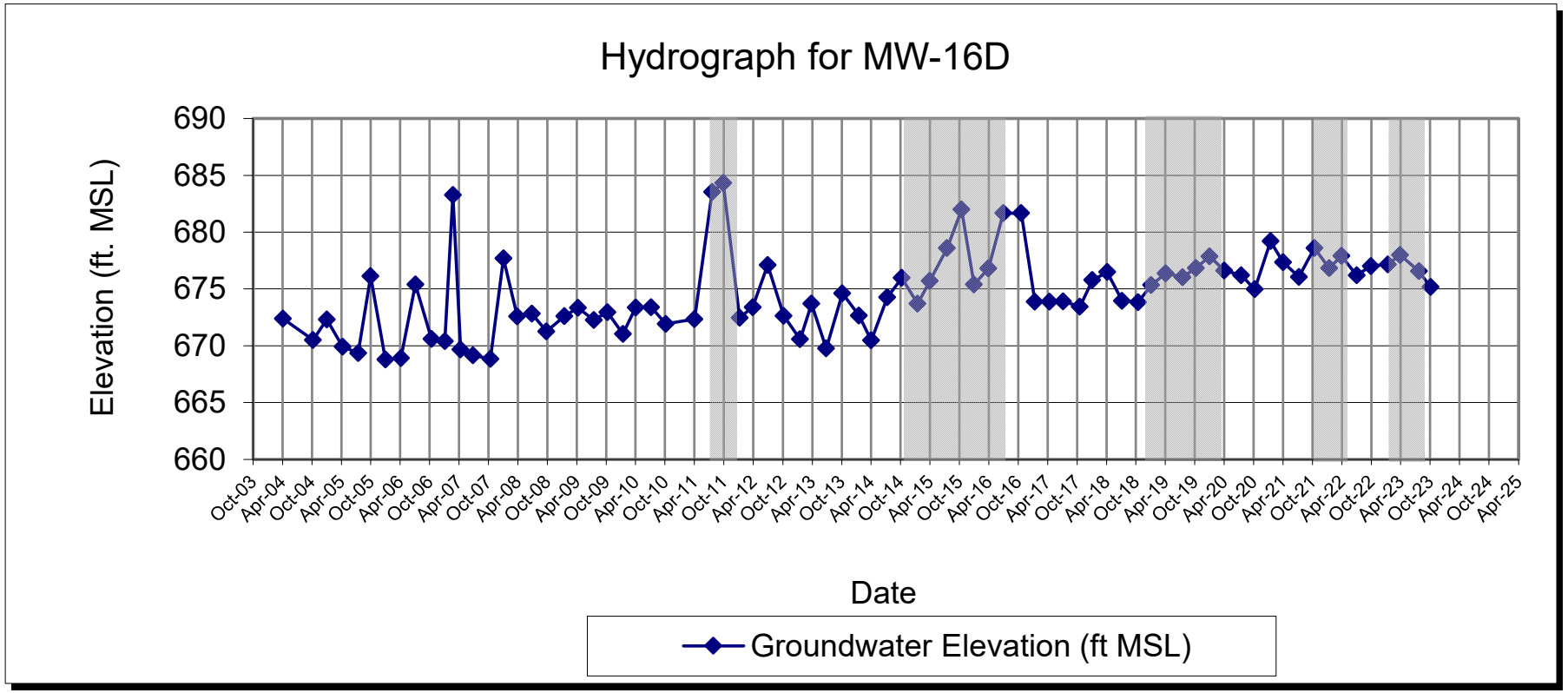
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.01
DPE and GWCT off line for repairs in February 2007.
DPE off line for repairs in January 2008.
DPE off line for repairs in October 2013.
TOC Elevation re-measured on June 13, 2008 at 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 (note shading on graph).
DPE-3, -5, -8 off line between March 2023 and October 2023 to accommodate electron donor injection (note shading on graph).

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)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Dino Zack
AECOM
50 Lakefront Bouelvard
Suite 111
Buffalo, New York 14202

Generated 10/25/2023 1:48:36 PM

JOB DESCRIPTION

Scott Figgie West of Plant 2

JOB NUMBER

480-213504-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-213504-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-213504-1

Receipt
The samples were received on 10/9/2023 4:00 PM, 10/10/2023 2:30 PM, 10/11/2023 3:30 PM and 10/13/2023 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 3.1º C, 3.1º C, 3.6º C, 4.1º C, 8.1º C and 8.1º C.

Receipt Exceptions

All vials for DPE-2 were received empty (Job 480-213596-1).

The following samples were listed on the Chain of Custody (COC) with 3 container per each sample; however, only two containers per sample were received:
Samples Received:
480-213553-J-1
480-213553-K-1

480-213553-J-2
480-213553-K-2

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-686988 recovered above the upper control limit for Isopropylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-2 (480-213552-1), MW-4 (480-213552-2), MW-3 (480-213552-3), MW-13D (480-213552-4), MW-16S (480-213552-5), Trip Blank (480-213552-6) and Rinse Blank (480-213552-7).

Method 8260C: The following sample was diluted due to the nature of the sample matrix: MW-4 (480-213552-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-2 (480-213552-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-16S (480-213552-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-4 (480-213552-2) and MW-16S (480-213552-5).

Method 8260C: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-16D (480-213504-4). pH is 7.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-687016 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-8R (480-213504-1), MW-11 (480-213504-2), MW-13S (480-213504-3), MW-16D (480-213504-4), Trip Blank (480-213504-5) and Duplicate (480-213504-6).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-687016 recovered outside control limits for the following analyte: 2-Hexanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW-8R (480-213504-1), MW-11 (480-213504-2), MW-13S (480-213504-3), MW-16D (480-213504-4), Trip Blank (480-213504-5) and Duplicate (480-213504-6).

Method 8260C: The following samples were diluted due to the nature of the sample physical matrix: MW-8R (480-213504-1) and MW-16D

Job ID: 480-213504-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

(480-213504-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-11 (480-213504-2) and Duplicate (480-213504-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-13S (480-213504-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: DPE-1 (480-213596-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DPE-3 (480-213596-1), DPE-4 (480-213596-2), DPE-6 (480-213596-4) and DPE-7 (480-213596-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted due to the abundance of non-target analytes: DPE-8 (480-213596-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: DPE-3 (480-213596-1), DPE-4 (480-213596-2) and DPE-8 (480-213596-6).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: DPE-5 (480-213596-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DPE-4 (480-213596-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: DPE-4 (480-213596-2) and DPE-5 (480-213596-3).

Method 8260C: The results reported for the following sample do not concur with results previously reported for this site: DPE-5 (480-213596-3). Reanalysis was performed, and the result(s) confirmed.

Method 8260C: The results reported for the following samples do not concur with results previously reported for this site: DPE-3 (480-213596-1), DPE-6 (480-213596-4), DPE-7 (480-213596-5), GWCT (480-213596-7) and DPE-1 (480-213596-8). Reanalysis was performed, and the result(s) confirmed.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-687539 recovered outside acceptance criteria, low biased, for 2-Hexanone. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated sample is impacted: DPE-2 (480-213657-1).

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

HPLC/IC

Method 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-4 (480-213553-1) and MW-16S (480-213553-2). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-8R (480-213505-1), MW-13S (480-213505-2), MW-16D (480-213505-3) and MW-11 (480-213505-4). Elevated reporting limits (RLs) are provided.

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

GC VOA

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R

Job ID: 480-213504-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

(480-213505-1), MW-13S (480-213505-2), MW-16D (480-213505-3) and MW-11 (480-213505-4). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-16D (480-213505-3).

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-213553-1) and MW-16S (480-213553-2). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-4 (480-213553-1) and MW-16S (480-213553-2).

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

General Chemistry

Method 353.2: The Nitrite result for the following sample was greater than ther Nitrate/Nitrite result: MW-8R (480-213505-1). This anolmaly was confirmed with reanalysis.

Method 310.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 480-687176 were outside control limits: MW-8R (480-213505-1). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: MW-8R (480-213505-1), MW-13S (480-213505-2), MW-16D (480-213505-3), MW-11 (480-213505-4), MW-4 (480-213553-1), MW-16S (480-213553-2), (480-213505-D-2-B DU) and (480-213505-D-2-C MS).

Method 9060A: The following sample was analyzed in duplicate: DPE-4 (480-213596-2). The RPD between the two replicates was > 10%. Re-analysis was performed with RPD >10%. Sample matrix interference is suspected.

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

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

Job ID: 480-213504-1

Client Sample ID: MW-8R
Date Collected: 10/09/23 11:45
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-1
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			10/11/23 19:12	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			10/11/23 19:12	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			10/11/23 19:12	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/11/23 19:12	40
1,1-Dichloroethane	ND		40	15	ug/L			10/11/23 19:12	40
1,1-Dichloroethene	ND		40	12	ug/L			10/11/23 19:12	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			10/11/23 19:12	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			10/11/23 19:12	40
1,2-Dibromoethane	ND		40	29	ug/L			10/11/23 19:12	40
1,2-Dichlorobenzene	ND		40	32	ug/L			10/11/23 19:12	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/11/23 19:12	40
1,2-Dichloropropane	ND		40	29	ug/L			10/11/23 19:12	40
1,3-Dichlorobenzene	ND		40	31	ug/L			10/11/23 19:12	40
1,4-Dichlorobenzene	ND		40	34	ug/L			10/11/23 19:12	40
2-Butanone (MEK)	ND		400	53	ug/L			10/11/23 19:12	40
2-Hexanone	ND	*+	200	50	ug/L			10/11/23 19:12	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/11/23 19:12	40
Acetone	ND		400	120	ug/L			10/11/23 19:12	40
Benzene	ND		40	16	ug/L			10/11/23 19:12	40
Bromodichloromethane	ND		40	16	ug/L			10/11/23 19:12	40
Bromoform	ND		40	10	ug/L			10/11/23 19:12	40
Bromomethane	ND		40	28	ug/L			10/11/23 19:12	40
Carbon disulfide	ND		40	7.6	ug/L			10/11/23 19:12	40
Carbon tetrachloride	ND		40	11	ug/L			10/11/23 19:12	40
Chlorobenzene	ND		40	30	ug/L			10/11/23 19:12	40
Chloroethane	ND		40	13	ug/L			10/11/23 19:12	40
Chloroform	ND		40	14	ug/L			10/11/23 19:12	40
Chloromethane	ND		40	14	ug/L			10/11/23 19:12	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			10/11/23 19:12	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/11/23 19:12	40
Cyclohexane	ND		40	7.2	ug/L			10/11/23 19:12	40
Dibromochloromethane	ND		40	13	ug/L			10/11/23 19:12	40
Dichlorodifluoromethane	ND		40	27	ug/L			10/11/23 19:12	40
Ethylbenzene	ND		40	30	ug/L			10/11/23 19:12	40
Isopropylbenzene	ND		40	32	ug/L			10/11/23 19:12	40
Methyl acetate	ND		100	52	ug/L			10/11/23 19:12	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			10/11/23 19:12	40
Methylcyclohexane	ND		40	6.4	ug/L			10/11/23 19:12	40
Methylene Chloride	ND		40	18	ug/L			10/11/23 19:12	40
Styrene	ND		40	29	ug/L			10/11/23 19:12	40
Tetrachloroethene	ND		40	14	ug/L			10/11/23 19:12	40
Toluene	ND		40	20	ug/L			10/11/23 19:12	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/11/23 19:12	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/11/23 19:12	40
Trichloroethene	ND		40	18	ug/L			10/11/23 19:12	40
Trichlorofluoromethane	ND		40	35	ug/L			10/11/23 19:12	40
Vinyl chloride	**250**		40	36	ug/L			10/11/23 19:12	40
Xylenes, Total	ND		80	26	ug/L			10/11/23 19:12	40

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

Job ID: 480-213504-1

Client Sample ID: MW-8R

Date Collected: 10/09/23 11:45
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/11/23 19:12*	*40*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/11/23 19:12*	*40*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/11/23 19:12*	*40*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/11/23 19:12*	*40*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	12700		200	86.8	mg/L			10/16/23 22:05	200

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

Job ID: 480-213504-1

Client Sample ID: MW-11

Date Collected: 10/09/23 10:30
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/11/23 19:34	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/11/23 19:34	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/11/23 19:34	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/11/23 19:34	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/11/23 19:34	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/11/23 19:34	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/11/23 19:34	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/11/23 19:34	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/11/23 19:34	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/11/23 19:34	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/11/23 19:34	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/11/23 19:34	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/11/23 19:34	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/11/23 19:34	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/11/23 19:34	2
2-Hexanone	ND	*+	10	2.5	ug/L			10/11/23 19:34	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/11/23 19:34	2
Acetone	ND		20	6.0	ug/L			10/11/23 19:34	2
Benzene	ND		2.0	0.82	ug/L			10/11/23 19:34	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/11/23 19:34	2
Bromoform	ND		2.0	0.52	ug/L			10/11/23 19:34	2
Bromomethane	ND		2.0	1.4	ug/L			10/11/23 19:34	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/11/23 19:34	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/11/23 19:34	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/11/23 19:34	2
Chloroethane	ND		2.0	0.64	ug/L			10/11/23 19:34	2
Chloroform	ND		2.0	0.68	ug/L			10/11/23 19:34	2
Chloromethane	ND		2.0	0.70	ug/L			10/11/23 19:34	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/11/23 19:34	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/11/23 19:34	2
Cyclohexane	ND		2.0	0.36	ug/L			10/11/23 19:34	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/11/23 19:34	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			10/11/23 19:34	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/11/23 19:34	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/11/23 19:34	2
Methyl acetate	ND		5.0	2.6	ug/L			10/11/23 19:34	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/11/23 19:34	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/11/23 19:34	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/11/23 19:34	2
Styrene	ND		2.0	1.5	ug/L			10/11/23 19:34	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/11/23 19:34	2
Toluene	ND		2.0	1.0	ug/L			10/11/23 19:34	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/11/23 19:34	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/11/23 19:34	2
Trichloroethene	ND		2.0	0.92	ug/L			10/11/23 19:34	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/11/23 19:34	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/11/23 19:34	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/11/23 19:34	2

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

Job ID: 480-213504-1

Client Sample ID: MW-11

Date Collected: 10/09/23 10:30
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-2

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/11/23 19:34*	*2*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*		*10/11/23 19:34*	*2*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/11/23 19:34*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/11/23 19:34*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	4.2		1.0	0.43	mg/L			10/14/23 08:49	1

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

Job ID: 480-213504-1

Client Sample ID: MW-13S
Date Collected: 10/09/23 12:45
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-3
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/11/23 19:56	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/11/23 19:56	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/11/23 19:56	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/11/23 19:56	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/11/23 19:56	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/11/23 19:56	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/11/23 19:56	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/11/23 19:56	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/11/23 19:56	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/11/23 19:56	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/11/23 19:56	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/11/23 19:56	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/11/23 19:56	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/11/23 19:56	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/11/23 19:56	2
2-Hexanone	ND	*+	10	2.5	ug/L			10/11/23 19:56	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/11/23 19:56	2
Acetone	ND		20	6.0	ug/L			10/11/23 19:56	2
Benzene	ND		2.0	0.82	ug/L			10/11/23 19:56	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/11/23 19:56	2
Bromoform	ND		2.0	0.52	ug/L			10/11/23 19:56	2
Bromomethane	ND		2.0	1.4	ug/L			10/11/23 19:56	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/11/23 19:56	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/11/23 19:56	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/11/23 19:56	2
Chloroethane	**1.8**	**J**	2.0	0.64	ug/L			10/11/23 19:56	2
Chloroform	ND		2.0	0.68	ug/L			10/11/23 19:56	2
Chloromethane	ND		2.0	0.70	ug/L			10/11/23 19:56	2
cis-1,2-Dichloroethene	**76**		2.0	1.6	ug/L			10/11/23 19:56	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/11/23 19:56	2
Cyclohexane	ND		2.0	0.36	ug/L			10/11/23 19:56	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/11/23 19:56	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			10/11/23 19:56	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/11/23 19:56	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/11/23 19:56	2
Methyl acetate	ND		5.0	2.6	ug/L			10/11/23 19:56	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/11/23 19:56	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/11/23 19:56	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/11/23 19:56	2
Styrene	ND		2.0	1.5	ug/L			10/11/23 19:56	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/11/23 19:56	2
Toluene	ND		2.0	1.0	ug/L			10/11/23 19:56	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/11/23 19:56	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/11/23 19:56	2
Trichloroethene	ND		2.0	0.92	ug/L			10/11/23 19:56	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/11/23 19:56	2
Vinyl chloride	**100**		2.0	1.8	ug/L			10/11/23 19:56	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/11/23 19:56	2

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

Job ID: 480-213504-1

Client Sample ID: MW-13S

Date Collected: 10/09/23 12:45
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/11/23 19:56*	*2*
4-Bromofluorobenzene (Surr)	*117*		*73 - 120*		*10/11/23 19:56*	*2*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/11/23 19:56*	*2*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/11/23 19:56*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	3.7		1.0	0.43	mg/L			10/14/23 09:21	1

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

Job ID: 480-213504-1

Client Sample ID: MW-16D

Date Collected: 10/09/23 14:50
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-4

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			10/11/23 20:18	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			10/11/23 20:18	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			10/11/23 20:18	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/11/23 20:18	40
1,1-Dichloroethane	ND		40	15	ug/L			10/11/23 20:18	40
1,1-Dichloroethene	ND		40	12	ug/L			10/11/23 20:18	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			10/11/23 20:18	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			10/11/23 20:18	40
1,2-Dibromoethane	ND		40	29	ug/L			10/11/23 20:18	40
1,2-Dichlorobenzene	ND		40	32	ug/L			10/11/23 20:18	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/11/23 20:18	40
1,2-Dichloropropane	ND		40	29	ug/L			10/11/23 20:18	40
1,3-Dichlorobenzene	ND		40	31	ug/L			10/11/23 20:18	40
1,4-Dichlorobenzene	ND		40	34	ug/L			10/11/23 20:18	40
2-Butanone (MEK)	ND		400	53	ug/L			10/11/23 20:18	40
2-Hexanone	ND	*+	200	50	ug/L			10/11/23 20:18	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/11/23 20:18	40
Acetone	ND		400	120	ug/L			10/11/23 20:18	40
Benzene	ND		40	16	ug/L			10/11/23 20:18	40
Bromodichloromethane	ND		40	16	ug/L			10/11/23 20:18	40
Bromoform	ND		40	10	ug/L			10/11/23 20:18	40
Bromomethane	ND		40	28	ug/L			10/11/23 20:18	40
Carbon disulfide	ND		40	7.6	ug/L			10/11/23 20:18	40
Carbon tetrachloride	ND		40	11	ug/L			10/11/23 20:18	40
Chlorobenzene	ND		40	30	ug/L			10/11/23 20:18	40
Chloroethane	**69**		40	13	ug/L			10/11/23 20:18	40
Chloroform	ND		40	14	ug/L			10/11/23 20:18	40
Chloromethane	ND		40	14	ug/L			10/11/23 20:18	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			10/11/23 20:18	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/11/23 20:18	40
Cyclohexane	ND		40	7.2	ug/L			10/11/23 20:18	40
Dibromochloromethane	ND		40	13	ug/L			10/11/23 20:18	40
Dichlorodifluoromethane	ND		40	27	ug/L			10/11/23 20:18	40
Ethylbenzene	ND		40	30	ug/L			10/11/23 20:18	40
Isopropylbenzene	ND		40	32	ug/L			10/11/23 20:18	40
Methyl acetate	ND		100	52	ug/L			10/11/23 20:18	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			10/11/23 20:18	40
Methylcyclohexane	ND		40	6.4	ug/L			10/11/23 20:18	40
Methylene Chloride	ND		40	18	ug/L			10/11/23 20:18	40
Styrene	ND		40	29	ug/L			10/11/23 20:18	40
Tetrachloroethene	ND		40	14	ug/L			10/11/23 20:18	40
Toluene	ND		40	20	ug/L			10/11/23 20:18	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/11/23 20:18	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/11/23 20:18	40
Trichloroethene	ND		40	18	ug/L			10/11/23 20:18	40
Trichlorofluoromethane	ND		40	35	ug/L			10/11/23 20:18	40
Vinyl chloride	ND		40	36	ug/L			10/11/23 20:18	40
Xylenes, Total	ND		80	26	ug/L			10/11/23 20:18	40

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

Job ID: 480-213504-1

Client Sample ID: MW-16D

Date Collected: 10/09/23 14:50
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/11/23 20:18*	*40*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*10/11/23 20:18*	*40*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/11/23 20:18*	*40*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/11/23 20:18*	*40*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2830		40.0	17.4	mg/L			10/16/23 22:34	40

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

Job ID: 480-213504-1

Client Sample ID: Trip Blank

Date Collected: 10/09/23 00:00
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-5

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/11/23 20:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/11/23 20:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/11/23 20:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/11/23 20:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/11/23 20:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/11/23 20:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/11/23 20:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/11/23 20:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/11/23 20:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/11/23 20:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/11/23 20:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/11/23 20:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/11/23 20:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/11/23 20:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/11/23 20:40	1
2-Hexanone	ND	*+	5.0	1.2	ug/L			10/11/23 20:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/11/23 20:40	1
Acetone	ND		10	3.0	ug/L			10/11/23 20:40	1
Benzene	ND		1.0	0.41	ug/L			10/11/23 20:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/11/23 20:40	1
Bromoform	ND		1.0	0.26	ug/L			10/11/23 20:40	1
Bromomethane	ND		1.0	0.69	ug/L			10/11/23 20:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/11/23 20:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/11/23 20:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/11/23 20:40	1
Chloroethane	ND		1.0	0.32	ug/L			10/11/23 20:40	1
Chloroform	ND		1.0	0.34	ug/L			10/11/23 20:40	1
Chloromethane	ND		1.0	0.35	ug/L			10/11/23 20:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/11/23 20:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/11/23 20:40	1
Cyclohexane	ND		1.0	0.18	ug/L			10/11/23 20:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/11/23 20:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/11/23 20:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/23 20:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/11/23 20:40	1
Methyl acetate	ND		2.5	1.3	ug/L			10/11/23 20:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/11/23 20:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/11/23 20:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/11/23 20:40	1
Styrene	ND		1.0	0.73	ug/L			10/11/23 20:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/11/23 20:40	1
Toluene	ND		1.0	0.51	ug/L			10/11/23 20:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/11/23 20:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/11/23 20:40	1
Trichloroethene	ND		1.0	0.46	ug/L			10/11/23 20:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/11/23 20:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/11/23 20:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/23 20:40	1

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

Job ID: 480-213504-1

Client Sample ID: Trip Blank

Date Collected: 10/09/23 00:00
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-5

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/11/23 20:40	1
4-Bromofluorobenzene (Surr)	112		73 - 120		10/11/23 20:40	1
Toluene-d8 (Surr)	106		80 - 120		10/11/23 20:40	1
Dibromofluoromethane (Surr)	103		75 - 123		10/11/23 20:40	1

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

Job ID: 480-213504-1

Client Sample ID: Duplicate

Date Collected: 10/09/23 09:00
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-6

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/11/23 21:02	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/11/23 21:02	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/11/23 21:02	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/11/23 21:02	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/11/23 21:02	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/11/23 21:02	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/11/23 21:02	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/11/23 21:02	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/11/23 21:02	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/11/23 21:02	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/11/23 21:02	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/11/23 21:02	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/11/23 21:02	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/11/23 21:02	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/11/23 21:02	2
2-Hexanone	ND	*+	10	2.5	ug/L			10/11/23 21:02	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/11/23 21:02	2
Acetone	ND		20	6.0	ug/L			10/11/23 21:02	2
Benzene	ND		2.0	0.82	ug/L			10/11/23 21:02	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/11/23 21:02	2
Bromoform	ND		2.0	0.52	ug/L			10/11/23 21:02	2
Bromomethane	ND		2.0	1.4	ug/L			10/11/23 21:02	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/11/23 21:02	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/11/23 21:02	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/11/23 21:02	2
Chloroethane	ND		2.0	0.64	ug/L			10/11/23 21:02	2
Chloroform	ND		2.0	0.68	ug/L			10/11/23 21:02	2
Chloromethane	ND		2.0	0.70	ug/L			10/11/23 21:02	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/11/23 21:02	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/11/23 21:02	2
Cyclohexane	ND		2.0	0.36	ug/L			10/11/23 21:02	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/11/23 21:02	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			10/11/23 21:02	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/11/23 21:02	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/11/23 21:02	2
Methyl acetate	ND		5.0	2.6	ug/L			10/11/23 21:02	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/11/23 21:02	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/11/23 21:02	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/11/23 21:02	2
Styrene	ND		2.0	1.5	ug/L			10/11/23 21:02	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/11/23 21:02	2
Toluene	ND		2.0	1.0	ug/L			10/11/23 21:02	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/11/23 21:02	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/11/23 21:02	2
Trichloroethene	ND		2.0	0.92	ug/L			10/11/23 21:02	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/11/23 21:02	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/11/23 21:02	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/11/23 21:02	2

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

Job ID: 480-213504-1

Client Sample ID: Duplicate

Date Collected: 10/09/23 09:00
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213504-6

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/11/23 21:02	2
4-Bromofluorobenzene (Surr)	111		73 - 120		10/11/23 21:02	2
Toluene-d8 (Surr)	108		80 - 120		10/11/23 21:02	2
Dibromofluoromethane (Surr)	102		75 - 123		10/11/23 21:02	2

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

Job ID: 480-213504-1

Client Sample ID: MW-8R

Date Collected: 10/09/23 11:45
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213505-1

Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**670000**	**E**	10000	5000	ug/L			10/14/23 13:54	1
Ethane	ND		1700	330	ug/L			10/11/23 09:34	220
Ethene	ND		1500	330	ug/L			10/11/23 09:34	220
Methane	**9400**		880	220	ug/L			10/11/23 09:34	220

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**650000**		40000	20000	ug/L			10/17/23 12:37	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	**12.2**	**J**	20.0	3.5	mg/L			10/13/23 14:24	10
Alkalinity, Total (EPA 310.2)	ND	F1	10.0	4.0	mg/L			10/12/23 08:28	1
Nitrate as N (EPA 353.2)	ND		0.050	0.020	mg/L			10/10/23 18:12	1
Nitrite as N (EPA 353.2)	**0.14**		0.050	0.020	mg/L			10/10/23 21:47	1
Sulfide (SM 4500 S2 F)	**1.2**		1.0	0.67	mg/L			10/12/23 15:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron (SM 3500 FE D)	**10.0**	**HF**	0.50	0.38	mg/L			10/12/23 15:00	5

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

Job ID: 480-213504-1

Client Sample ID: MW-13S

Date Collected: 10/09/23 12:45
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213505-2

Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	62000		10000	5000	ug/L			10/14/23 14:04	1
Ethane	1700		830	170	ug/L			10/11/23 09:53	110
Ethene	330	J	770	170	ug/L			10/11/23 09:53	110
Methane	19000		440	110	ug/L			10/11/23 09:53	110

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	7.3	J	10.0	1.7	mg/L			10/13/23 14:42	5
Alkalinity, Total (EPA 310.2)	304		100	40.0	mg/L			10/11/23 16:45	10
Nitrate as N (EPA 353.2)	ND		0.050	0.020	mg/L			10/10/23 18:13	1
Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			10/10/23 18:13	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			10/12/23 15:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron (SM 3500 FE D)	0.095	J HF	0.10	0.075	mg/L			10/12/23 15:00	1

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

Job ID: 480-213504-1

Client Sample ID: MW-16D

Date Collected: 10/09/23 14:50
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213505-3

Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**810000**	**E**	10000	5000	ug/L			10/14/23 14:15	1
Ethane	ND		830	170	ug/L			10/11/23 10:12	110
Ethene	ND		770	170	ug/L			10/11/23 10:12	110
Methane	**7300**		440	110	ug/L			10/11/23 10:12	110

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**750000**		40000	20000	ug/L			10/17/23 12:47	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	**6.9**	**J**	20.0	3.5	mg/L			10/13/23 15:00	10
Alkalinity, Total (EPA 310.2)	**2090**		600	240	mg/L			10/11/23 17:16	60
Nitrate as N (EPA 353.2)	**0.030**	**J**	0.050	0.020	mg/L			10/10/23 18:15	1
Nitrite as N (EPA 353.2)	**0.11**		0.050	0.020	mg/L			10/10/23 21:49	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			10/12/23 15:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron (SM 3500 FE D)	**2.9**	**HF**	0.10	0.075	mg/L			10/12/23 15:00	1

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

Job ID: 480-213504-1

Client Sample ID: MW-11

Date Collected: 10/09/23 10:30
Date Received: 10/09/23 16:00

Lab Sample ID: 480-213505-4

Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**180000**		10000	5000	ug/L			10/14/23 14:25	1
Ethane	ND		170	33	ug/L			10/11/23 10:31	22
Ethene	ND		150	33	ug/L			10/11/23 10:31	22
Methane	**1300**		88	22	ug/L			10/11/23 10:31	22

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	**8.5**	**J**	20.0	3.5	mg/L			10/13/23 15:18	10
Alkalinity, Total (EPA 310.2)	**214**		100	40.0	mg/L			10/11/23 16:45	10
Nitrate as N (EPA 353.2)	**0.031**	**J**	0.050	0.020	mg/L			10/10/23 18:19	1
Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			10/10/23 18:19	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			10/12/23 15:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron (SM 3500 FE D)	ND	HF	0.10	0.075	mg/L			10/12/23 15:00	1

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

Job ID: 480-213504-1

Client Sample ID: MW-2
Date Collected: 10/10/23 12:50
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-1
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/12/23 01:31	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/12/23 01:31	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/12/23 01:31	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/12/23 01:31	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/12/23 01:31	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/12/23 01:31	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/12/23 01:31	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/12/23 01:31	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/12/23 01:31	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/12/23 01:31	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/12/23 01:31	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/12/23 01:31	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/12/23 01:31	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/12/23 01:31	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/12/23 01:31	2
2-Hexanone	ND		10	2.5	ug/L			10/12/23 01:31	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/12/23 01:31	2
Acetone	ND		20	6.0	ug/L			10/12/23 01:31	2
Benzene	ND		2.0	0.82	ug/L			10/12/23 01:31	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/12/23 01:31	2
Bromoform	ND		2.0	0.52	ug/L			10/12/23 01:31	2
Bromomethane	ND		2.0	1.4	ug/L			10/12/23 01:31	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/12/23 01:31	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/12/23 01:31	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/12/23 01:31	2
Chloroethane	ND		2.0	0.64	ug/L			10/12/23 01:31	2
Chloroform	ND		2.0	0.68	ug/L			10/12/23 01:31	2
Chloromethane	ND		2.0	0.70	ug/L			10/12/23 01:31	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/12/23 01:31	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/12/23 01:31	2
Cyclohexane	ND		2.0	0.36	ug/L			10/12/23 01:31	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/12/23 01:31	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			10/12/23 01:31	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/12/23 01:31	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/12/23 01:31	2
Methyl acetate	ND		5.0	2.6	ug/L			10/12/23 01:31	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/12/23 01:31	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/12/23 01:31	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/12/23 01:31	2
Styrene	ND		2.0	1.5	ug/L			10/12/23 01:31	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/12/23 01:31	2
Toluene	ND		2.0	1.0	ug/L			10/12/23 01:31	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/12/23 01:31	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/12/23 01:31	2
Trichloroethene	ND		2.0	0.92	ug/L			10/12/23 01:31	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/12/23 01:31	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/12/23 01:31	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/12/23 01:31	2

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

Job ID: 480-213504-1

Client Sample ID: MW-2

Date Collected: 10/10/23 12:50
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/12/23 01:31*	*2*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/12/23 01:31*	*2*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/12/23 01:31*	*2*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/12/23 01:31*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	23.7		1.0	0.43	mg/L			10/13/23 14:26	1

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

Job ID: 480-213504-1

Client Sample ID: MW-4
Date Collected: 10/10/23 09:20
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-2
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/12/23 01:54	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/12/23 01:54	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/12/23 01:54	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/12/23 01:54	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/12/23 01:54	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/12/23 01:54	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/12/23 01:54	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/12/23 01:54	20
1,2-Dibromoethane	ND		20	15	ug/L			10/12/23 01:54	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/12/23 01:54	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/12/23 01:54	20
1,2-Dichloropropane	ND		20	14	ug/L			10/12/23 01:54	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/12/23 01:54	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/12/23 01:54	20
2-Butanone (MEK)	**390**		200	26	ug/L			10/12/23 01:54	20
2-Hexanone	ND		100	25	ug/L			10/12/23 01:54	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/12/23 01:54	20
Acetone	ND		200	60	ug/L			10/12/23 01:54	20
Benzene	ND		20	8.2	ug/L			10/12/23 01:54	20
Bromodichloromethane	ND		20	7.8	ug/L			10/12/23 01:54	20
Bromoform	ND		20	5.2	ug/L			10/12/23 01:54	20
Bromomethane	ND		20	14	ug/L			10/12/23 01:54	20
Carbon disulfide	ND		20	3.8	ug/L			10/12/23 01:54	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/12/23 01:54	20
Chlorobenzene	ND		20	15	ug/L			10/12/23 01:54	20
Chloroethane	**78**		20	6.4	ug/L			10/12/23 01:54	20
Chloroform	ND		20	6.8	ug/L			10/12/23 01:54	20
Chloromethane	ND		20	7.0	ug/L			10/12/23 01:54	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			10/12/23 01:54	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/12/23 01:54	20
Cyclohexane	ND		20	3.6	ug/L			10/12/23 01:54	20
Dibromochloromethane	ND		20	6.4	ug/L			10/12/23 01:54	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/12/23 01:54	20
Ethylbenzene	ND		20	15	ug/L			10/12/23 01:54	20
Isopropylbenzene	ND		20	16	ug/L			10/12/23 01:54	20
Methyl acetate	ND		50	26	ug/L			10/12/23 01:54	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/12/23 01:54	20
Methylcyclohexane	ND		20	3.2	ug/L			10/12/23 01:54	20
Methylene Chloride	ND		20	8.8	ug/L			10/12/23 01:54	20
Styrene	ND		20	15	ug/L			10/12/23 01:54	20
Tetrachloroethene	ND		20	7.2	ug/L			10/12/23 01:54	20
Toluene	ND		20	10	ug/L			10/12/23 01:54	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/12/23 01:54	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/12/23 01:54	20
Trichloroethene	ND		20	9.2	ug/L			10/12/23 01:54	20
Trichlorofluoromethane	ND		20	18	ug/L			10/12/23 01:54	20
Vinyl chloride	ND		20	18	ug/L			10/12/23 01:54	20
Xylenes, Total	ND		40	13	ug/L			10/12/23 01:54	20

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

Job ID: 480-213504-1

Client Sample ID: MW-4
Date Collected: 10/10/23 09:20
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/12/23 01:54*	*20*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/12/23 01:54*	*20*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/12/23 01:54*	*20*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/12/23 01:54*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	9520		100	43.4	mg/L			10/13/23 14:54	100

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

Job ID: 480-213504-1

Client Sample ID: MW-3
Date Collected: 10/10/23 11:40
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-3
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/23 02:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/12/23 02:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/12/23 02:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/12/23 02:16	1
1,1-Dichloroethane	**15**		1.0	0.38	ug/L			10/12/23 02:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/12/23 02:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/23 02:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/12/23 02:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/12/23 02:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/23 02:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/12/23 02:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/12/23 02:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/23 02:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/23 02:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/23 02:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/12/23 02:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/12/23 02:16	1
Acetone	ND		10	3.0	ug/L			10/12/23 02:16	1
Benzene	ND		1.0	0.41	ug/L			10/12/23 02:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/12/23 02:16	1
Bromoform	ND		1.0	0.26	ug/L			10/12/23 02:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/12/23 02:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/12/23 02:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/12/23 02:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/12/23 02:16	1
Chloroethane	**0.47**	**J**	1.0	0.32	ug/L			10/12/23 02:16	1
Chloroform	ND		1.0	0.34	ug/L			10/12/23 02:16	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/23 02:16	1
cis-1,2-Dichloroethene	**3.2**		1.0	0.81	ug/L			10/12/23 02:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/12/23 02:16	1
Cyclohexane	ND		1.0	0.18	ug/L			10/12/23 02:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/12/23 02:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/12/23 02:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/12/23 02:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/12/23 02:16	1
Methyl acetate	ND		2.5	1.3	ug/L			10/12/23 02:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/23 02:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/12/23 02:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/12/23 02:16	1
Styrene	ND		1.0	0.73	ug/L			10/12/23 02:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/12/23 02:16	1
Toluene	ND		1.0	0.51	ug/L			10/12/23 02:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/12/23 02:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/12/23 02:16	1
Trichloroethene	ND		1.0	0.46	ug/L			10/12/23 02:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/12/23 02:16	1
Vinyl chloride	**23**		1.0	0.90	ug/L			10/12/23 02:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/12/23 02:16	1

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

Job ID: 480-213504-1

Client Sample ID: MW-3
Date Collected: 10/10/23 11:40
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/12/23 02:16*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/12/23 02:16*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*10/12/23 02:16*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/12/23 02:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	3.1		1.0	0.43	mg/L			10/13/23 15:21	1

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

Job ID: 480-213504-1

Client Sample ID: MW-13D

Date Collected: 10/10/23 10:45
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-4

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/23 02:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/12/23 02:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/12/23 02:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/12/23 02:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/12/23 02:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/12/23 02:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/23 02:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/12/23 02:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/12/23 02:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/23 02:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/12/23 02:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/12/23 02:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/23 02:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/23 02:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/23 02:40	1
2-Hexanone	ND		5.0	1.2	ug/L			10/12/23 02:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/12/23 02:40	1
Acetone	**3.5**	**J**	10	3.0	ug/L			10/12/23 02:40	1
Benzene	ND		1.0	0.41	ug/L			10/12/23 02:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/12/23 02:40	1
Bromoform	ND		1.0	0.26	ug/L			10/12/23 02:40	1
Bromomethane	ND		1.0	0.69	ug/L			10/12/23 02:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/12/23 02:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/12/23 02:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/12/23 02:40	1
Chloroethane	**2.1**		1.0	0.32	ug/L			10/12/23 02:40	1
Chloroform	ND		1.0	0.34	ug/L			10/12/23 02:40	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/23 02:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/12/23 02:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/12/23 02:40	1
Cyclohexane	ND		1.0	0.18	ug/L			10/12/23 02:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/12/23 02:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/12/23 02:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/12/23 02:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/12/23 02:40	1
Methyl acetate	ND		2.5	1.3	ug/L			10/12/23 02:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/23 02:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/12/23 02:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/12/23 02:40	1
Styrene	ND		1.0	0.73	ug/L			10/12/23 02:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/12/23 02:40	1
Toluene	ND		1.0	0.51	ug/L			10/12/23 02:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/12/23 02:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/12/23 02:40	1
Trichloroethene	ND		1.0	0.46	ug/L			10/12/23 02:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/12/23 02:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/23 02:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/12/23 02:40	1

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

Job ID: 480-213504-1

Client Sample ID: MW-13D

Date Collected: 10/10/23 10:45
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/12/23 02:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/12/23 02:40*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/12/23 02:40*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/12/23 02:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	**3.3**		1.0	0.43	mg/L			10/13/23 15:49	1

Client Sample ID: MW-16S
Date Collected: 10/10/23 08:30
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000	820	ug/L			10/12/23 03:03	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			10/12/23 03:03	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			10/12/23 03:03	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			10/12/23 03:03	1000
1,1-Dichloroethane	**610**	**J**	1000	380	ug/L			10/12/23 03:03	1000
1,1-Dichloroethene	ND		1000	290	ug/L			10/12/23 03:03	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			10/12/23 03:03	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			10/12/23 03:03	1000
1,2-Dibromoethane	ND		1000	730	ug/L			10/12/23 03:03	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			10/12/23 03:03	1000
1,2-Dichloroethane	ND		1000	210	ug/L			10/12/23 03:03	1000
1,2-Dichloropropane	ND		1000	720	ug/L			10/12/23 03:03	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			10/12/23 03:03	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			10/12/23 03:03	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			10/12/23 03:03	1000
2-Hexanone	ND		5000	1200	ug/L			10/12/23 03:03	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			10/12/23 03:03	1000
Acetone	ND		10000	3000	ug/L			10/12/23 03:03	1000
Benzene	ND		1000	410	ug/L			10/12/23 03:03	1000
Bromodichloromethane	ND		1000	390	ug/L			10/12/23 03:03	1000
Bromoform	ND		1000	260	ug/L			10/12/23 03:03	1000
Bromomethane	ND		1000	690	ug/L			10/12/23 03:03	1000
Carbon disulfide	ND		1000	190	ug/L			10/12/23 03:03	1000
Carbon tetrachloride	ND		1000	270	ug/L			10/12/23 03:03	1000
Chlorobenzene	ND		1000	750	ug/L			10/12/23 03:03	1000
Chloroethane	ND		1000	320	ug/L			10/12/23 03:03	1000
Chloroform	ND		1000	340	ug/L			10/12/23 03:03	1000
Chloromethane	ND		1000	350	ug/L			10/12/23 03:03	1000
cis-1,2-Dichloroethene	**22000**		1000	810	ug/L			10/12/23 03:03	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			10/12/23 03:03	1000
Cyclohexane	ND		1000	180	ug/L			10/12/23 03:03	1000
Dibromochloromethane	ND		1000	320	ug/L			10/12/23 03:03	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			10/12/23 03:03	1000
Ethylbenzene	ND		1000	740	ug/L			10/12/23 03:03	1000
Isopropylbenzene	ND		1000	790	ug/L			10/12/23 03:03	1000
Methyl acetate	ND		2500	1300	ug/L			10/12/23 03:03	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			10/12/23 03:03	1000
Methylcyclohexane	ND		1000	160	ug/L			10/12/23 03:03	1000
Methylene Chloride	ND		1000	440	ug/L			10/12/23 03:03	1000
Styrene	ND		1000	730	ug/L			10/12/23 03:03	1000
Tetrachloroethene	ND		1000	360	ug/L			10/12/23 03:03	1000
Toluene	ND		1000	510	ug/L			10/12/23 03:03	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			10/12/23 03:03	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			10/12/23 03:03	1000
Trichloroethene	**710**	**J**	1000	460	ug/L			10/12/23 03:03	1000
Trichlorofluoromethane	ND		1000	880	ug/L			10/12/23 03:03	1000
Vinyl chloride	**34000**		1000	900	ug/L			10/12/23 03:03	1000
Xylenes, Total	ND		2000	660	ug/L			10/12/23 03:03	1000

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

Job ID: 480-213504-1

Client Sample ID: MW-16S
Date Collected: 10/10/23 08:30
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/12/23 03:03*	*1000*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/12/23 03:03*	*1000*
Toluene-d8 (Surr)	*110*		*80 - 120*		*10/12/23 03:03*	*1000*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/12/23 03:03*	*1000*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	5170		200	86.8	mg/L			10/13/23 20:56	200

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

Job ID: 480-213504-1

Client Sample ID: Trip Blank

Date Collected: 10/10/23 00:00
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-6

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/23 03:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/12/23 03:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/12/23 03:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/12/23 03:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/12/23 03:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/12/23 03:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/23 03:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/12/23 03:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/12/23 03:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/23 03:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/12/23 03:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/12/23 03:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/23 03:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/23 03:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/23 03:26	1
2-Hexanone	ND		5.0	1.2	ug/L			10/12/23 03:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/12/23 03:26	1
Acetone	ND		10	3.0	ug/L			10/12/23 03:26	1
Benzene	ND		1.0	0.41	ug/L			10/12/23 03:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/12/23 03:26	1
Bromoform	ND		1.0	0.26	ug/L			10/12/23 03:26	1
Bromomethane	ND		1.0	0.69	ug/L			10/12/23 03:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/12/23 03:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/12/23 03:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/12/23 03:26	1
Chloroethane	ND		1.0	0.32	ug/L			10/12/23 03:26	1
Chloroform	ND		1.0	0.34	ug/L			10/12/23 03:26	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/23 03:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/12/23 03:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/12/23 03:26	1
Cyclohexane	ND		1.0	0.18	ug/L			10/12/23 03:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/12/23 03:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/12/23 03:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/12/23 03:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/12/23 03:26	1
Methyl acetate	ND		2.5	1.3	ug/L			10/12/23 03:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/23 03:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/12/23 03:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/12/23 03:26	1
Styrene	ND		1.0	0.73	ug/L			10/12/23 03:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/12/23 03:26	1
Toluene	ND		1.0	0.51	ug/L			10/12/23 03:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/12/23 03:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/12/23 03:26	1
Trichloroethene	ND		1.0	0.46	ug/L			10/12/23 03:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/12/23 03:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/23 03:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/12/23 03:26	1

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

Job ID: 480-213504-1

Client Sample ID: Trip Blank

Date Collected: 10/10/23 00:00
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-6

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/12/23 03:26	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/12/23 03:26	1
Toluene-d8 (Surr)	107		80 - 120		10/12/23 03:26	1
Dibromofluoromethane (Surr)	98		75 - 123		10/12/23 03:26	1

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

Job ID: 480-213504-1

Client Sample ID: Rinse Blank

Date Collected: 10/10/23 13:15
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-7
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/23 03:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/12/23 03:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/12/23 03:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/12/23 03:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/12/23 03:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/12/23 03:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/23 03:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/12/23 03:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/12/23 03:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/23 03:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/12/23 03:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/12/23 03:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/23 03:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/23 03:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/23 03:50	1
2-Hexanone	ND		5.0	1.2	ug/L			10/12/23 03:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/12/23 03:50	1
Acetone	ND		10	3.0	ug/L			10/12/23 03:50	1
Benzene	ND		1.0	0.41	ug/L			10/12/23 03:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/12/23 03:50	1
Bromoform	ND		1.0	0.26	ug/L			10/12/23 03:50	1
Bromomethane	ND		1.0	0.69	ug/L			10/12/23 03:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/12/23 03:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/12/23 03:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/12/23 03:50	1
Chloroethane	ND		1.0	0.32	ug/L			10/12/23 03:50	1
Chloroform	ND		1.0	0.34	ug/L			10/12/23 03:50	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/23 03:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/12/23 03:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/12/23 03:50	1
Cyclohexane	ND		1.0	0.18	ug/L			10/12/23 03:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/12/23 03:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/12/23 03:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/12/23 03:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/12/23 03:50	1
Methyl acetate	ND		2.5	1.3	ug/L			10/12/23 03:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/23 03:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/12/23 03:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/12/23 03:50	1
Styrene	ND		1.0	0.73	ug/L			10/12/23 03:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/12/23 03:50	1
Toluene	ND		1.0	0.51	ug/L			10/12/23 03:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/12/23 03:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/12/23 03:50	1
Trichloroethene	ND		1.0	0.46	ug/L			10/12/23 03:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/12/23 03:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/23 03:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/12/23 03:50	1

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

Job ID: 480-213504-1

Client Sample ID: Rinse Blank
Date Collected: 10/10/23 13:15
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213552-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/12/23 03:50	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/12/23 03:50	1
Toluene-d8 (Surr)	107		80 - 120		10/12/23 03:50	1
Dibromofluoromethane (Surr)	95		75 - 123		10/12/23 03:50	1

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

Job ID: 480-213504-1

Client Sample ID: MW-4

Date Collected: 10/10/23 09:20
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213553-1

Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	560000	E	10000	5000	ug/L			10/18/23 14:44	1
Ethane	130	J	660	130	ug/L			10/12/23 15:19	88
Ethene	260	J	620	130	ug/L			10/12/23 15:19	88
Methane	11000		350	88	ug/L			10/12/23 15:19	88

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	530000		20000	10000	ug/L			10/19/23 12:17	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	11.1	J	20.0	3.5	mg/L			10/14/23 00:27	10
Alkalinity, Total (EPA 310.2)	3070		600	240	mg/L			10/11/23 17:16	60
Nitrate as N (EPA 353.2)	ND		0.050	0.020	mg/L			10/11/23 18:07	1
Nitrite as N (EPA 353.2)	0.059		0.050	0.020	mg/L			10/11/23 20:54	1
Sulfide (SM 4500 S2 F)	4.8		4.0	2.7	mg/L			10/12/23 15:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron (SM 3500 FE D)	11.6	HF	1.0	0.75	mg/L			10/12/23 15:00	10

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

Job ID: 480-213504-1

Client Sample ID: MW-16S

Date Collected: 10/10/23 08:30
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213553-2

Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**610000**	**E**	10000	5000	ug/L			10/18/23 14:54	1
Ethane	ND		1700	330	ug/L			10/12/23 15:38	220
Ethene	**29000**		1500	330	ug/L			10/12/23 15:38	220
Methane	**4500**		880	220	ug/L			10/12/23 15:38	220

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**590000**		20000	10000	ug/L			10/19/23 12:27	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	**7.9**	**J**	20.0	3.5	mg/L			10/14/23 00:45	10
Alkalinity, Total (EPA 310.2)	**2330**		100	40.0	mg/L			10/11/23 17:16	10
Nitrate as N (EPA 353.2)	ND		0.050	0.020	mg/L			10/11/23 18:11	1
Nitrite as N (EPA 353.2)	**0.050**		0.050	0.020	mg/L			10/11/23 20:55	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			10/12/23 15:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron (SM 3500 FE D)	**5.1**	**HF**	0.50	0.38	mg/L			10/12/23 15:00	5

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

Job ID: 480-213504-1

Client Sample ID: DPE-3
Date Collected: 10/10/23 14:30
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-1
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			10/13/23 05:01	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/13/23 05:01	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			10/13/23 05:01	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/13/23 05:01	10
1,1-Dichloroethane	**15**		10	3.8	ug/L			10/13/23 05:01	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/13/23 05:01	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			10/13/23 05:01	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			10/13/23 05:01	10
1,2-Dibromoethane	ND		10	7.3	ug/L			10/13/23 05:01	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			10/13/23 05:01	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/13/23 05:01	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/13/23 05:01	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			10/13/23 05:01	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			10/13/23 05:01	10
2-Butanone (MEK)	**510**		100	13	ug/L			10/13/23 05:01	10
2-Hexanone	**14**	**J**	50	12	ug/L			10/13/23 05:01	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/13/23 05:01	10
Acetone	**80**	**J**	100	30	ug/L			10/13/23 05:01	10
Benzene	ND		10	4.1	ug/L			10/13/23 05:01	10
Bromodichloromethane	ND		10	3.9	ug/L			10/13/23 05:01	10
Bromoform	ND		10	2.6	ug/L			10/13/23 05:01	10
Bromomethane	ND		10	6.9	ug/L			10/13/23 05:01	10
Carbon disulfide	ND		10	1.9	ug/L			10/13/23 05:01	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/13/23 05:01	10
Chlorobenzene	ND		10	7.5	ug/L			10/13/23 05:01	10
Chloroethane	**7.7**	**J**	10	3.2	ug/L			10/13/23 05:01	10
Chloroform	ND		10	3.4	ug/L			10/13/23 05:01	10
Chloromethane	ND		10	3.5	ug/L			10/13/23 05:01	10
cis-1,2-Dichloroethene	**750**		10	8.1	ug/L			10/13/23 05:01	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/13/23 05:01	10
Cyclohexane	ND		10	1.8	ug/L			10/13/23 05:01	10
Dibromochloromethane	ND		10	3.2	ug/L			10/13/23 05:01	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			10/13/23 05:01	10
Ethylbenzene	ND		10	7.4	ug/L			10/13/23 05:01	10
Isopropylbenzene	ND		10	7.9	ug/L			10/13/23 05:01	10
Methyl acetate	ND		25	13	ug/L			10/13/23 05:01	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			10/13/23 05:01	10
Methylcyclohexane	ND		10	1.6	ug/L			10/13/23 05:01	10
Methylene Chloride	ND		10	4.4	ug/L			10/13/23 05:01	10
Styrene	ND		10	7.3	ug/L			10/13/23 05:01	10
Tetrachloroethene	ND		10	3.6	ug/L			10/13/23 05:01	10
Toluene	ND		10	5.1	ug/L			10/13/23 05:01	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/13/23 05:01	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/13/23 05:01	10
Trichloroethene	**12**		10	4.6	ug/L			10/13/23 05:01	10
Trichlorofluoromethane	ND		10	8.8	ug/L			10/13/23 05:01	10
Vinyl chloride	**750**		10	9.0	ug/L			10/13/23 05:01	10
Xylenes, Total	ND		20	6.6	ug/L			10/13/23 05:01	10

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-3
Lab Sample ID: 480-213596-1
Date Collected: 10/10/23 14:30
Matrix: Water
Date Received: 10/11/23 15:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/13/23 05:01*	*10*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/13/23 05:01*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/13/23 05:01*	*10*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/13/23 05:01*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2640		40.0	17.4	mg/L			10/19/23 04:10	40

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

Job ID: 480-213504-1

Client Sample ID: DPE-4
Date Collected: 10/10/23 14:50
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-2
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			10/13/23 05:23	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			10/13/23 05:23	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			10/13/23 05:23	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			10/13/23 05:23	8
1,1-Dichloroethane	**4.2**	**J**	8.0	3.0	ug/L			10/13/23 05:23	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			10/13/23 05:23	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			10/13/23 05:23	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			10/13/23 05:23	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			10/13/23 05:23	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			10/13/23 05:23	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			10/13/23 05:23	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			10/13/23 05:23	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			10/13/23 05:23	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			10/13/23 05:23	8
2-Butanone (MEK)	ND		80	11	ug/L			10/13/23 05:23	8
2-Hexanone	ND		40	9.9	ug/L			10/13/23 05:23	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			10/13/23 05:23	8
Acetone	**36**	**J**	80	24	ug/L			10/13/23 05:23	8
Benzene	ND		8.0	3.3	ug/L			10/13/23 05:23	8
Bromodichloromethane	ND		8.0	3.1	ug/L			10/13/23 05:23	8
Bromoform	ND		8.0	2.1	ug/L			10/13/23 05:23	8
Bromomethane	ND		8.0	5.5	ug/L			10/13/23 05:23	8
Carbon disulfide	ND		8.0	1.5	ug/L			10/13/23 05:23	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			10/13/23 05:23	8
Chlorobenzene	ND		8.0	6.0	ug/L			10/13/23 05:23	8
Chloroethane	ND		8.0	2.6	ug/L			10/13/23 05:23	8
Chloroform	ND		8.0	2.7	ug/L			10/13/23 05:23	8
Chloromethane	ND		8.0	2.8	ug/L			10/13/23 05:23	8
cis-1,2-Dichloroethene	**950**	**E**	8.0	6.5	ug/L			10/13/23 05:23	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			10/13/23 05:23	8
Cyclohexane	ND		8.0	1.4	ug/L			10/13/23 05:23	8
Dibromochloromethane	ND		8.0	2.6	ug/L			10/13/23 05:23	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			10/13/23 05:23	8
Ethylbenzene	ND		8.0	5.9	ug/L			10/13/23 05:23	8
Isopropylbenzene	ND		8.0	6.3	ug/L			10/13/23 05:23	8
Methyl acetate	ND		20	10	ug/L			10/13/23 05:23	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			10/13/23 05:23	8
Methylcyclohexane	ND		8.0	1.3	ug/L			10/13/23 05:23	8
Methylene Chloride	ND		8.0	3.5	ug/L			10/13/23 05:23	8
Styrene	ND		8.0	5.8	ug/L			10/13/23 05:23	8
Tetrachloroethene	ND		8.0	2.9	ug/L			10/13/23 05:23	8
Toluene	ND		8.0	4.1	ug/L			10/13/23 05:23	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			10/13/23 05:23	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			10/13/23 05:23	8
Trichloroethene	ND		8.0	3.7	ug/L			10/13/23 05:23	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			10/13/23 05:23	8
Vinyl chloride	**38**		8.0	7.2	ug/L			10/13/23 05:23	8
Xylenes, Total	ND		16	5.3	ug/L			10/13/23 05:23	8

Client Sample ID: DPE-4
Date Collected: 10/10/23 14:50
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/13/23 05:23*	*8*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/13/23 05:23*	*8*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/13/23 05:23*	*8*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/13/23 05:23*	*8*

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/13/23 12:16	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/13/23 12:16	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/13/23 12:16	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/13/23 12:16	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/13/23 12:16	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/13/23 12:16	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/13/23 12:16	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/13/23 12:16	20
1,2-Dibromoethane	ND		20	15	ug/L			10/13/23 12:16	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/13/23 12:16	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/13/23 12:16	20
1,2-Dichloropropane	ND		20	14	ug/L			10/13/23 12:16	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/13/23 12:16	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/13/23 12:16	20
2-Butanone (MEK)	ND		200	26	ug/L			10/13/23 12:16	20
2-Hexanone	ND		100	25	ug/L			10/13/23 12:16	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/13/23 12:16	20
Acetone	ND		200	60	ug/L			10/13/23 12:16	20
Benzene	ND		20	8.2	ug/L			10/13/23 12:16	20
Bromodichloromethane	ND		20	7.8	ug/L			10/13/23 12:16	20
Bromoform	ND		20	5.2	ug/L			10/13/23 12:16	20
Bromomethane	ND		20	14	ug/L			10/13/23 12:16	20
Carbon disulfide	ND		20	3.8	ug/L			10/13/23 12:16	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/13/23 12:16	20
Chlorobenzene	ND		20	15	ug/L			10/13/23 12:16	20
Chloroethane	ND		20	6.4	ug/L			10/13/23 12:16	20
Chloroform	ND		20	6.8	ug/L			10/13/23 12:16	20
Chloromethane	ND		20	7.0	ug/L			10/13/23 12:16	20
cis-1,2-Dichloroethene	**1100**		20	16	ug/L			10/13/23 12:16	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/13/23 12:16	20
Cyclohexane	ND		20	3.6	ug/L			10/13/23 12:16	20
Dibromochloromethane	ND		20	6.4	ug/L			10/13/23 12:16	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/13/23 12:16	20
Ethylbenzene	ND		20	15	ug/L			10/13/23 12:16	20
Isopropylbenzene	ND		20	16	ug/L			10/13/23 12:16	20
Methyl acetate	ND		50	26	ug/L			10/13/23 12:16	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/13/23 12:16	20
Methylcyclohexane	ND		20	3.2	ug/L			10/13/23 12:16	20
Methylene Chloride	ND		20	8.8	ug/L			10/13/23 12:16	20
Styrene	ND		20	15	ug/L			10/13/23 12:16	20
Tetrachloroethene	ND		20	7.2	ug/L			10/13/23 12:16	20
Toluene	ND		20	10	ug/L			10/13/23 12:16	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/13/23 12:16	20

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

Job ID: 480-213504-1

Client Sample ID: DPE-4

Date Collected: 10/10/23 14:50
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/13/23 12:16	20
Trichloroethene	ND		20	9.2	ug/L			10/13/23 12:16	20
Trichlorofluoromethane	ND		20	18	ug/L			10/13/23 12:16	20
Vinyl chloride	**520**		20	18	ug/L			10/13/23 12:16	20
Xylenes, Total	ND		40	13	ug/L			10/13/23 12:16	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/13/23 12:16*	*20*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/13/23 12:16*	*20*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/13/23 12:16*	*20*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/13/23 12:16*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	**70.5**		1.0	0.43	mg/L			10/19/23 18:06	1

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

Job ID: 480-213504-1

Client Sample ID: DPE-5
Date Collected: 10/10/23 15:10
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-3
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/13/23 12:39	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/13/23 12:39	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/13/23 12:39	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/13/23 12:39	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/13/23 12:39	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/13/23 12:39	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			10/13/23 12:39	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/13/23 12:39	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/13/23 12:39	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/13/23 12:39	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/13/23 12:39	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/13/23 12:39	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/13/23 12:39	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/13/23 12:39	4
2-Butanone (MEK)	**110**		40	5.3	ug/L			10/13/23 12:39	4
2-Hexanone	**7.7**	**J**	20	5.0	ug/L			10/13/23 12:39	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/13/23 12:39	4
Acetone	**48**		40	12	ug/L			10/13/23 12:39	4
Benzene	ND		4.0	1.6	ug/L			10/13/23 12:39	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/13/23 12:39	4
Bromoform	ND		4.0	1.0	ug/L			10/13/23 12:39	4
Bromomethane	ND		4.0	2.8	ug/L			10/13/23 12:39	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/13/23 12:39	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/13/23 12:39	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/13/23 12:39	4
Chloroethane	**16**		4.0	1.3	ug/L			10/13/23 12:39	4
Chloroform	ND		4.0	1.4	ug/L			10/13/23 12:39	4
Chloromethane	ND		4.0	1.4	ug/L			10/13/23 12:39	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			10/13/23 12:39	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/13/23 12:39	4
Cyclohexane	ND		4.0	0.72	ug/L			10/13/23 12:39	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/13/23 12:39	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/13/23 12:39	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/13/23 12:39	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/13/23 12:39	4
Methyl acetate	ND		10	5.2	ug/L			10/13/23 12:39	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/13/23 12:39	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/13/23 12:39	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/13/23 12:39	4
Styrene	ND		4.0	2.9	ug/L			10/13/23 12:39	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/13/23 12:39	4
Toluene	ND		4.0	2.0	ug/L			10/13/23 12:39	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/13/23 12:39	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/13/23 12:39	4
Trichloroethene	ND		4.0	1.8	ug/L			10/13/23 12:39	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/13/23 12:39	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/13/23 12:39	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/13/23 12:39	4

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

Job ID: 480-213504-1

Client Sample ID: DPE-5

Date Collected: 10/10/23 15:10
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/13/23 12:39*	*4*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/13/23 12:39*	*4*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/13/23 12:39*	*4*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/13/23 12:39*	*4*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1050		20.0	8.7	mg/L			10/19/23 08:23	20

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

Job ID: 480-213504-1

Client Sample ID: DPE-6
Date Collected: 10/10/23 15:30
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/13/23 06:07	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/13/23 06:07	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/13/23 06:07	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/13/23 06:07	4
1,1-Dichloroethane	**150**		4.0	1.5	ug/L			10/13/23 06:07	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/13/23 06:07	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			10/13/23 06:07	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/13/23 06:07	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/13/23 06:07	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/13/23 06:07	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/13/23 06:07	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/13/23 06:07	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/13/23 06:07	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/13/23 06:07	4
2-Butanone (MEK)	**44**		40	5.3	ug/L			10/13/23 06:07	4
2-Hexanone	ND		20	5.0	ug/L			10/13/23 06:07	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/13/23 06:07	4
Acetone	**310**		40	12	ug/L			10/13/23 06:07	4
Benzene	ND		4.0	1.6	ug/L			10/13/23 06:07	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/13/23 06:07	4
Bromoform	ND		4.0	1.0	ug/L			10/13/23 06:07	4
Bromomethane	ND		4.0	2.8	ug/L			10/13/23 06:07	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/13/23 06:07	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/13/23 06:07	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/13/23 06:07	4
Chloroethane	ND		4.0	1.3	ug/L			10/13/23 06:07	4
Chloroform	ND		4.0	1.4	ug/L			10/13/23 06:07	4
Chloromethane	ND		4.0	1.4	ug/L			10/13/23 06:07	4
cis-1,2-Dichloroethene	**91**		4.0	3.2	ug/L			10/13/23 06:07	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/13/23 06:07	4
Cyclohexane	ND		4.0	0.72	ug/L			10/13/23 06:07	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/13/23 06:07	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/13/23 06:07	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/13/23 06:07	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/13/23 06:07	4
Methyl acetate	ND		10	5.2	ug/L			10/13/23 06:07	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/13/23 06:07	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/13/23 06:07	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/13/23 06:07	4
Styrene	ND		4.0	2.9	ug/L			10/13/23 06:07	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/13/23 06:07	4
Toluene	**5.0**		4.0	2.0	ug/L			10/13/23 06:07	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/13/23 06:07	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/13/23 06:07	4
Trichloroethene	**7.2**		4.0	1.8	ug/L			10/13/23 06:07	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/13/23 06:07	4
Vinyl chloride	**31**		4.0	3.6	ug/L			10/13/23 06:07	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/13/23 06:07	4

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

Job ID: 480-213504-1

Client Sample ID: DPE-6

Date Collected: 10/10/23 15:30
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/13/23 06:07*	*4*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/13/23 06:07*	*4*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/13/23 06:07*	*4*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/13/23 06:07*	*4*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	90.4		1.0	0.43	mg/L			10/17/23 05:26	1

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

Job ID: 480-213504-1

Client Sample ID: DPE-7
Date Collected: 10/10/23 16:00
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/13/23 06:29	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/13/23 06:29	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/13/23 06:29	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/13/23 06:29	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/13/23 06:29	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/13/23 06:29	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/13/23 06:29	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/13/23 06:29	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/13/23 06:29	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/13/23 06:29	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/13/23 06:29	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/13/23 06:29	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/13/23 06:29	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/13/23 06:29	2
2-Butanone (MEK)	**14**	**J**	20	2.6	ug/L			10/13/23 06:29	2
2-Hexanone	ND		10	2.5	ug/L			10/13/23 06:29	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/13/23 06:29	2
Acetone	**9.2**	**J**	20	6.0	ug/L			10/13/23 06:29	2
Benzene	ND		2.0	0.82	ug/L			10/13/23 06:29	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/13/23 06:29	2
Bromoform	ND		2.0	0.52	ug/L			10/13/23 06:29	2
Bromomethane	ND		2.0	1.4	ug/L			10/13/23 06:29	2
Carbon disulfide	**0.55**	**J**	2.0	0.38	ug/L			10/13/23 06:29	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/13/23 06:29	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/13/23 06:29	2
Chloroethane	**54**		2.0	0.64	ug/L			10/13/23 06:29	2
Chloroform	ND		2.0	0.68	ug/L			10/13/23 06:29	2
Chloromethane	ND		2.0	0.70	ug/L			10/13/23 06:29	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/13/23 06:29	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/13/23 06:29	2
Cyclohexane	ND		2.0	0.36	ug/L			10/13/23 06:29	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/13/23 06:29	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			10/13/23 06:29	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/13/23 06:29	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/13/23 06:29	2
Methyl acetate	ND		5.0	2.6	ug/L			10/13/23 06:29	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/13/23 06:29	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/13/23 06:29	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/13/23 06:29	2
Styrene	ND		2.0	1.5	ug/L			10/13/23 06:29	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/13/23 06:29	2
Toluene	ND		2.0	1.0	ug/L			10/13/23 06:29	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/13/23 06:29	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/13/23 06:29	2
Trichloroethene	ND		2.0	0.92	ug/L			10/13/23 06:29	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/13/23 06:29	2
Vinyl chloride	**3.0**		2.0	1.8	ug/L			10/13/23 06:29	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/13/23 06:29	2

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

Job ID: 480-213504-1

Client Sample ID: DPE-7

Date Collected: 10/10/23 16:00
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/13/23 06:29*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/13/23 06:29*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/13/23 06:29*	*2*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/13/23 06:29*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	22.2		1.0	0.43	mg/L			10/17/23 05:56	1

Client Sample ID: DPE-8
Date Collected: 10/10/23 16:20
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-6
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		400	330	ug/L			10/13/23 06:51	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			10/13/23 06:51	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	120	ug/L			10/13/23 06:51	400
1,1,2-Trichloroethane	ND		400	92	ug/L			10/13/23 06:51	400
1,1-Dichloroethane	ND		400	150	ug/L			10/13/23 06:51	400
1,1-Dichloroethene	ND		400	120	ug/L			10/13/23 06:51	400
1,2,4-Trichlorobenzene	ND		400	160	ug/L			10/13/23 06:51	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			10/13/23 06:51	400
1,2-Dibromoethane	ND		400	290	ug/L			10/13/23 06:51	400
1,2-Dichlorobenzene	ND		400	320	ug/L			10/13/23 06:51	400
1,2-Dichloroethane	ND		400	84	ug/L			10/13/23 06:51	400
1,2-Dichloropropane	ND		400	290	ug/L			10/13/23 06:51	400
1,3-Dichlorobenzene	ND		400	310	ug/L			10/13/23 06:51	400
1,4-Dichlorobenzene	ND		400	340	ug/L			10/13/23 06:51	400
2-Butanone (MEK)	**1400**	**J**	4000	530	ug/L			10/13/23 06:51	400
2-Hexanone	ND		2000	500	ug/L			10/13/23 06:51	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			10/13/23 06:51	400
Acetone	ND		4000	1200	ug/L			10/13/23 06:51	400
Benzene	ND		400	160	ug/L			10/13/23 06:51	400
Bromodichloromethane	ND		400	160	ug/L			10/13/23 06:51	400
Bromoform	ND		400	100	ug/L			10/13/23 06:51	400
Bromomethane	ND		400	280	ug/L			10/13/23 06:51	400
Carbon disulfide	ND		400	76	ug/L			10/13/23 06:51	400
Carbon tetrachloride	ND		400	110	ug/L			10/13/23 06:51	400
Chlorobenzene	ND		400	300	ug/L			10/13/23 06:51	400
Chloroethane	ND		400	130	ug/L			10/13/23 06:51	400
Chloroform	ND		400	140	ug/L			10/13/23 06:51	400
Chloromethane	ND		400	140	ug/L			10/13/23 06:51	400
cis-1,2-Dichloroethene	**3900**		400	320	ug/L			10/13/23 06:51	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			10/13/23 06:51	400
Cyclohexane	ND		400	72	ug/L			10/13/23 06:51	400
Dibromochloromethane	ND		400	130	ug/L			10/13/23 06:51	400
Dichlorodifluoromethane	ND		400	270	ug/L			10/13/23 06:51	400
Ethylbenzene	ND		400	300	ug/L			10/13/23 06:51	400
Isopropylbenzene	ND		400	320	ug/L			10/13/23 06:51	400
Methyl acetate	ND		1000	520	ug/L			10/13/23 06:51	400
Methyl tert-butyl ether	ND		400	64	ug/L			10/13/23 06:51	400
Methylcyclohexane	ND		400	64	ug/L			10/13/23 06:51	400
Methylene Chloride	ND		400	180	ug/L			10/13/23 06:51	400
Styrene	ND		400	290	ug/L			10/13/23 06:51	400
Tetrachloroethene	ND		400	140	ug/L			10/13/23 06:51	400
Toluene	ND		400	200	ug/L			10/13/23 06:51	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			10/13/23 06:51	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			10/13/23 06:51	400
Trichloroethene	ND		400	180	ug/L			10/13/23 06:51	400
Trichlorofluoromethane	ND		400	350	ug/L			10/13/23 06:51	400
Vinyl chloride	**4600**		400	360	ug/L			10/13/23 06:51	400
Xylenes, Total	ND		800	260	ug/L			10/13/23 06:51	400

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

Job ID: 480-213504-1

Client Sample ID: DPE-8

Date Collected: 10/10/23 16:20
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-6

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/13/23 06:51*	*400*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/13/23 06:51*	*400*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/13/23 06:51*	*400*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/13/23 06:51*	*400*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	9800		100	43.4	mg/L			10/19/23 08:51	100

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

Job ID: 480-213504-1

Client Sample ID: GWCT
Date Collected: 10/10/23 16:40
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-7
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/13/23 07:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/13/23 07:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/13/23 07:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/13/23 07:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/13/23 07:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/13/23 07:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/23 07:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/13/23 07:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/13/23 07:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/23 07:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/13/23 07:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/13/23 07:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/23 07:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/23 07:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/23 07:13	1
2-Hexanone	ND		5.0	1.2	ug/L			10/13/23 07:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/13/23 07:13	1
Acetone	**5.1**	**J**	10	3.0	ug/L			10/13/23 07:13	1
Benzene	ND		1.0	0.41	ug/L			10/13/23 07:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/13/23 07:13	1
Bromoform	ND		1.0	0.26	ug/L			10/13/23 07:13	1
Bromomethane	ND		1.0	0.69	ug/L			10/13/23 07:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/13/23 07:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/13/23 07:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/13/23 07:13	1
Chloroethane	**29**		1.0	0.32	ug/L			10/13/23 07:13	1
Chloroform	ND		1.0	0.34	ug/L			10/13/23 07:13	1
Chloromethane	ND		1.0	0.35	ug/L			10/13/23 07:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/13/23 07:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/13/23 07:13	1
Cyclohexane	ND		1.0	0.18	ug/L			10/13/23 07:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/13/23 07:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/13/23 07:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/13/23 07:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/13/23 07:13	1
Methyl acetate	ND		2.5	1.3	ug/L			10/13/23 07:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/23 07:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/13/23 07:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/13/23 07:13	1
Styrene	ND		1.0	0.73	ug/L			10/13/23 07:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/13/23 07:13	1
Toluene	ND		1.0	0.51	ug/L			10/13/23 07:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/13/23 07:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/13/23 07:13	1
Trichloroethene	ND		1.0	0.46	ug/L			10/13/23 07:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/13/23 07:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/23 07:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/13/23 07:13	1

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: GWCT
Lab Sample ID: 480-213596-7
Date Collected: 10/10/23 16:40
Matrix: Water
Date Received: 10/11/23 15:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/13/23 07:13*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/13/23 07:13*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/13/23 07:13*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/13/23 07:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	**3.6**		1.0	0.43	mg/L			10/17/23 09:53	1

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

Job ID: 480-213504-1

Client Sample ID: DPE-1
Date Collected: 10/10/23 14:00
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-8
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/13/23 07:35	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/13/23 07:35	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/13/23 07:35	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/13/23 07:35	20
1,1-Dichloroethane	**91**		20	7.6	ug/L			10/13/23 07:35	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/13/23 07:35	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/13/23 07:35	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/13/23 07:35	20
1,2-Dibromoethane	ND		20	15	ug/L			10/13/23 07:35	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/13/23 07:35	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/13/23 07:35	20
1,2-Dichloropropane	ND		20	14	ug/L			10/13/23 07:35	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/13/23 07:35	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/13/23 07:35	20
2-Butanone (MEK)	**99**	**J**	200	26	ug/L			10/13/23 07:35	20
2-Hexanone	ND		100	25	ug/L			10/13/23 07:35	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/13/23 07:35	20
Acetone	**460**		200	60	ug/L			10/13/23 07:35	20
Benzene	ND		20	8.2	ug/L			10/13/23 07:35	20
Bromodichloromethane	ND		20	7.8	ug/L			10/13/23 07:35	20
Bromoform	ND		20	5.2	ug/L			10/13/23 07:35	20
Bromomethane	ND		20	14	ug/L			10/13/23 07:35	20
Carbon disulfide	ND		20	3.8	ug/L			10/13/23 07:35	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/13/23 07:35	20
Chlorobenzene	ND		20	15	ug/L			10/13/23 07:35	20
Chloroethane	**10**	**J**	20	6.4	ug/L			10/13/23 07:35	20
Chloroform	ND		20	6.8	ug/L			10/13/23 07:35	20
Chloromethane	ND		20	7.0	ug/L			10/13/23 07:35	20
cis-1,2-Dichloroethene	**130**		20	16	ug/L			10/13/23 07:35	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/13/23 07:35	20
Cyclohexane	ND		20	3.6	ug/L			10/13/23 07:35	20
Dibromochloromethane	ND		20	6.4	ug/L			10/13/23 07:35	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/13/23 07:35	20
Ethylbenzene	ND		20	15	ug/L			10/13/23 07:35	20
Isopropylbenzene	ND		20	16	ug/L			10/13/23 07:35	20
Methyl acetate	ND		50	26	ug/L			10/13/23 07:35	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/13/23 07:35	20
Methylcyclohexane	ND		20	3.2	ug/L			10/13/23 07:35	20
Methylene Chloride	ND		20	8.8	ug/L			10/13/23 07:35	20
Styrene	ND		20	15	ug/L			10/13/23 07:35	20
Tetrachloroethene	ND		20	7.2	ug/L			10/13/23 07:35	20
Toluene	**16**	**J**	20	10	ug/L			10/13/23 07:35	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/13/23 07:35	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/13/23 07:35	20
Trichloroethene	**13**	**J**	20	9.2	ug/L			10/13/23 07:35	20
Trichlorofluoromethane	ND		20	18	ug/L			10/13/23 07:35	20
Vinyl chloride	**27**		20	18	ug/L			10/13/23 07:35	20
Xylenes, Total	ND		40	13	ug/L			10/13/23 07:35	20

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

Job ID: 480-213504-1

Client Sample ID: DPE-1

Date Collected: 10/10/23 14:00
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-8

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/13/23 07:35*	*20*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/13/23 07:35*	*20*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/13/23 07:35*	*20*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/13/23 07:35*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	195		4.0	1.7	mg/L			10/19/23 09:19	4

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

Job ID: 480-213504-1

Client Sample ID: DPE-2
Date Collected: 10/12/23 11:30
Date Received: 10/13/23 15:25

Lab Sample ID: 480-213657-1
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/23 16:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/23 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/16/23 16:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/23 16:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/23 16:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/16/23 16:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/23 16:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/23 16:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/23 16:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/23 16:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/23 16:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/23 16:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/23 16:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/23 16:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/23 16:21	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/23 16:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/23 16:21	1
Acetone	ND		10	3.0	ug/L			10/16/23 16:21	1
Benzene	ND		1.0	0.41	ug/L			10/16/23 16:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/23 16:21	1
Bromoform	ND		1.0	0.26	ug/L			10/16/23 16:21	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/23 16:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/23 16:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/23 16:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/23 16:21	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/23 16:21	1
Chloroform	ND		1.0	0.34	ug/L			10/16/23 16:21	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/23 16:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/23 16:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/23 16:21	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/23 16:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/23 16:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/16/23 16:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/23 16:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/23 16:21	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/23 16:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/23 16:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/23 16:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/23 16:21	1
Styrene	ND		1.0	0.73	ug/L			10/16/23 16:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/23 16:21	1
Toluene	ND		1.0	0.51	ug/L			10/16/23 16:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/23 16:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/23 16:21	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/23 16:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/16/23 16:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/23 16:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/23 16:21	1

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

Job ID: 480-213504-1

Client Sample ID: DPE-2

Date Collected: 10/12/23 11:30
Date Received: 10/13/23 15:25

Lab Sample ID: 480-213657-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/16/23 16:21*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/16/23 16:21*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/23 16:21*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/16/23 16:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	**3.9**		1.0	0.43	mg/L			10/18/23 19:24	1

Lab Chronicle

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-8R
Lab Sample ID: 480-213504-1
Date Collected: 10/09/23 11:45
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	687016	AXK	EET BUF	10/11/23 19:12
Total/NA	Analysis	9060A		200	687850	AF	EET BUF	10/16/23 22:05

Client Sample ID: MW-11
Lab Sample ID: 480-213504-2
Date Collected: 10/09/23 10:30
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	687016	AXK	EET BUF	10/11/23 19:34
Total/NA	Analysis	9060A		1	687558	AF	EET BUF	10/14/23 08:49

Client Sample ID: MW-13S
Lab Sample ID: 480-213504-3
Date Collected: 10/09/23 12:45
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	687016	AXK	EET BUF	10/11/23 19:56
Total/NA	Analysis	9060A		1	687558	AF	EET BUF	10/14/23 09:21

Client Sample ID: MW-16D
Lab Sample ID: 480-213504-4
Date Collected: 10/09/23 14:50
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		40	687016	AXK	EET BUF	10/11/23 20:18
Total/NA	Analysis	9060A		40	687850	AF	EET BUF	10/16/23 22:34

Client Sample ID: Trip Blank
Lab Sample ID: 480-213504-5
Date Collected: 10/09/23 00:00
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	687016	AXK	EET BUF	10/11/23 20:40

Client Sample ID: Duplicate
Lab Sample ID: 480-213504-6
Date Collected: 10/09/23 09:00
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	687016	AXK	EET BUF	10/11/23 21:02

Lab Chronicle

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-8R
Lab Sample ID: 480-213505-1
Date Collected: 10/09/23 11:45
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	RSK-175		1	196421	RMG	EET BUR	10/14/23 13:54
Total/NA	Analysis	RSK-175	DL	4	196485	RMG	EET BUR	10/17/23 12:37
Total/NA	Analysis	RSK-175		220	686896	MAN	EET BUF	10/11/23 09:34
Total/NA	Analysis	300.0		10	687327	AF	EET BUF	10/13/23 14:24
Total/NA	Analysis	310.2		1	687176	CG	EET BUF	10/12/23 08:28
Total/NA	Analysis	353.2		1	686871	KB	EET BUF	10/10/23 18:12
Total/NA	Analysis	353.2		1	686875	KB	EET BUF	10/10/23 21:47
Dissolved	Filtration	Filtration			687204	DLG	EET BUF	10/12/23 15:00
Dissolved	Analysis	SM 3500 FE D		5	687206	DLG	EET BUF	10/12/23 15:00
Total/NA	Analysis	SM 4500 S2 F		1	687215	AM	EET BUF	10/12/23 15:00

Client Sample ID: MW-13S
Lab Sample ID: 480-213505-2
Date Collected: 10/09/23 12:45
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	RSK-175		1	196421	RMG	EET BUR	10/14/23 14:04
Total/NA	Analysis	RSK-175		110	686896	MAN	EET BUF	10/11/23 09:53
Total/NA	Analysis	300.0		5	687327	AF	EET BUF	10/13/23 14:42
Total/NA	Analysis	310.2		10	687176	CG	EET BUF	10/11/23 16:45
Total/NA	Analysis	353.2		1	686871	KB	EET BUF	10/10/23 18:13
Total/NA	Analysis	353.2		1	686872	KB	EET BUF	10/10/23 18:13
Dissolved	Filtration	Filtration			687204	DLG	EET BUF	10/12/23 15:00
Dissolved	Analysis	SM 3500 FE D		1	687206	DLG	EET BUF	10/12/23 15:00
Total/NA	Analysis	SM 4500 S2 F		1	687215	AM	EET BUF	10/12/23 15:00

Client Sample ID: MW-16D
Lab Sample ID: 480-213505-3
Date Collected: 10/09/23 14:50
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	RSK-175		1	196421	RMG	EET BUR	10/14/23 14:15
Total/NA	Analysis	RSK-175	DL	4	196485	RMG	EET BUR	10/17/23 12:47
Total/NA	Analysis	RSK-175		110	686896	MAN	EET BUF	10/11/23 10:12
Total/NA	Analysis	300.0		10	687327	AF	EET BUF	10/13/23 15:00
Total/NA	Analysis	310.2		60	687176	CG	EET BUF	10/11/23 17:16
Total/NA	Analysis	353.2		1	686871	KB	EET BUF	10/10/23 18:15
Total/NA	Analysis	353.2		1	686875	KB	EET BUF	10/10/23 21:49
Dissolved	Filtration	Filtration			687204	DLG	EET BUF	10/12/23 15:00
Dissolved	Analysis	SM 3500 FE D		1	687206	DLG	EET BUF	10/12/23 15:00
Total/NA	Analysis	SM 4500 S2 F		1	687215	AM	EET BUF	10/12/23 15:00

Lab Chronicle

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-11
Lab Sample ID: 480-213505-4
Date Collected: 10/09/23 10:30
Matrix: Water
Date Received: 10/09/23 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	RSK-175		1	196421	RMG	EET BUR	10/14/23 14:25
Total/NA	Analysis	RSK-175		22	686896	MAN	EET BUF	10/11/23 10:31
Total/NA	Analysis	300.0		10	687327	AF	EET BUF	10/13/23 15:18
Total/NA	Analysis	310.2		10	687176	CG	EET BUF	10/11/23 16:45
Total/NA	Analysis	353.2		1	686871	KB	EET BUF	10/10/23 18:19
Total/NA	Analysis	353.2		1	686872	KB	EET BUF	10/10/23 18:19
Dissolved	Filtration	Filtration			687204	DLG	EET BUF	10/12/23 15:00
Dissolved	Analysis	SM 3500 FE D		1	687206	DLG	EET BUF	10/12/23 15:00
Total/NA	Analysis	SM 4500 S2 F		1	687215	AM	EET BUF	10/12/23 15:00

Client Sample ID: MW-2
Lab Sample ID: 480-213552-1
Date Collected: 10/10/23 12:50
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	686988	CR	EET BUF	10/12/23 01:31
Total/NA	Analysis	9060A		1	687556	AF	EET BUF	10/13/23 14:26

Client Sample ID: MW-4
Lab Sample ID: 480-213552-2
Date Collected: 10/10/23 09:20
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	686988	CR	EET BUF	10/12/23 01:54
Total/NA	Analysis	9060A		100	687556	AF	EET BUF	10/13/23 14:54

Client Sample ID: MW-3
Lab Sample ID: 480-213552-3
Date Collected: 10/10/23 11:40
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	686988	CR	EET BUF	10/12/23 02:16
Total/NA	Analysis	9060A		1	687556	AF	EET BUF	10/13/23 15:21

Client Sample ID: MW-13D
Lab Sample ID: 480-213552-4
Date Collected: 10/10/23 10:45
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	686988	CR	EET BUF	10/12/23 02:40
Total/NA	Analysis	9060A		1	687556	AF	EET BUF	10/13/23 15:49

Client Sample ID: MW-16S
Lab Sample ID: 480-213552-5
Date Collected: 10/10/23 08:30
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1000	686988	CR	EET BUF	10/12/23 03:03
Total/NA	Analysis	9060A		200	687556	AF	EET BUF	10/13/23 20:56

Client Sample ID: Trip Blank
Lab Sample ID: 480-213552-6
Date Collected: 10/10/23 00:00
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	686988	CR	EET BUF	10/12/23 03:26

Client Sample ID: Rinse Blank
Lab Sample ID: 480-213552-7
Date Collected: 10/10/23 13:15
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	686988	CR	EET BUF	10/12/23 03:50

Client Sample ID: MW-4
Lab Sample ID: 480-213553-1
Date Collected: 10/10/23 09:20
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	RSK-175		1	196531	RMG	EET BUR	10/18/23 14:44
Total/NA	Analysis	RSK-175	DL	2	196579	RMG	EET BUR	10/19/23 12:17
Total/NA	Analysis	RSK-175		88	687149	MAN	EET BUF	10/12/23 15:19
Total/NA	Analysis	300.0		10	687354	AF	EET BUF	10/14/23 00:27
Total/NA	Analysis	310.2		60	687176	CG	EET BUF	10/11/23 17:16
Total/NA	Analysis	353.2		1	687056	KB	EET BUF	10/11/23 18:07
Total/NA	Analysis	353.2		1	687055	KB	EET BUF	10/11/23 20:54
Dissolved	Filtration	Filtration			687204	DLG	EET BUF	10/12/23 15:00
Dissolved	Analysis	SM 3500 FE D		10	687206	DLG	EET BUF	10/12/23 15:00
Total/NA	Analysis	SM 4500 S2 F		1	687215	AM	EET BUF	10/12/23 15:00

Client Sample ID: MW-16S
Lab Sample ID: 480-213553-2
Date Collected: 10/10/23 08:30
Matrix: Water
Date Received: 10/10/23 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	RSK-175		1	196531	RMG	EET BUR	10/18/23 14:54
Total/NA	Analysis	RSK-175	DL	2	196579	RMG	EET BUR	10/19/23 12:27
Total/NA	Analysis	RSK-175		220	687149	MAN	EET BUF	10/12/23 15:38
Total/NA	Analysis	300.0		10	687354	AF	EET BUF	10/14/23 00:45
Total/NA	Analysis	310.2		10	687176	CG	EET BUF	10/11/23 17:16
Total/NA	Analysis	353.2		1	687056	KB	EET BUF	10/11/23 18:11

Lab Chronicle

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

Job ID: 480-213504-1

Client Sample ID: MW-16S
Date Collected: 10/10/23 08:30
Date Received: 10/10/23 14:30

Lab Sample ID: 480-213553-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		1	687055	KB	EET BUF	10/11/23 20:55
Dissolved	Filtration	Filtration			687204	DLG	EET BUF	10/12/23 15:00
Dissolved	Analysis	SM 3500 FE D		5	687206	DLG	EET BUF	10/12/23 15:00
Total/NA	Analysis	SM 4500 S2 F		1	687215	AM	EET BUF	10/12/23 15:00

Client Sample ID: DPE-3
Date Collected: 10/10/23 14:30
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	687174	CR	EET BUF	10/13/23 05:01
Total/NA	Analysis	9060A		40	688287	AF	EET BUF	10/19/23 04:10

Client Sample ID: DPE-4
Date Collected: 10/10/23 14:50
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	687174	CR	EET BUF	10/13/23 05:23
Total/NA	Analysis	8260C	DL	20	687242	CR	EET BUF	10/13/23 12:16
Total/NA	Analysis	9060A		1	688353	AF	EET BUF	10/19/23 18:06

Client Sample ID: DPE-5
Date Collected: 10/10/23 15:10
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	687242	CR	EET BUF	10/13/23 12:39
Total/NA	Analysis	9060A		20	688287	AF	EET BUF	10/19/23 08:23

Client Sample ID: DPE-6
Date Collected: 10/10/23 15:30
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	687174	CR	EET BUF	10/13/23 06:07
Total/NA	Analysis	9060A		1	687850	AF	EET BUF	10/17/23 05:26

Client Sample ID: DPE-7
Date Collected: 10/10/23 16:00
Date Received: 10/11/23 15:30

Lab Sample ID: 480-213596-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	687174	CR	EET BUF	10/13/23 06:29
Total/NA	Analysis	9060A		1	687850	AF	EET BUF	10/17/23 05:56

Lab Chronicle

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-8
Lab Sample ID: 480-213596-6
Date Collected: 10/10/23 16:20
Matrix: Water
Date Received: 10/11/23 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		400	687174	CR	EET BUF	10/13/23 06:51
Total/NA	Analysis	9060A		100	688287	AF	EET BUF	10/19/23 08:51

Client Sample ID: GWCT
Lab Sample ID: 480-213596-7
Date Collected: 10/10/23 16:40
Matrix: Water
Date Received: 10/11/23 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	687174	CR	EET BUF	10/13/23 07:13
Total/NA	Analysis	9060A		1	687850	AF	EET BUF	10/17/23 09:53

Client Sample ID: DPE-1
Lab Sample ID: 480-213596-8
Date Collected: 10/10/23 14:00
Matrix: Water
Date Received: 10/11/23 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	687174	CR	EET BUF	10/13/23 07:35
Total/NA	Analysis	9060A		4	688287	AF	EET BUF	10/19/23 09:19

Client Sample ID: DPE-2
Lab Sample ID: 480-213657-1
Date Collected: 10/12/23 11:30
Matrix: Water
Date Received: 10/13/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	687539	CR	EET BUF	10/16/23 16:21
Total/NA	Analysis	9060A		1	688123	AF	EET BUF	10/18/23 19:24

Laboratory References:

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

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 3500 FE D		Water	Ferrous Iron

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-18-24
Florida	NELAP	E87467	06-30-24
Minnesota	NELAP	050-999-436	12-31-23
New Hampshire	NELAP	2006	12-18-23
New Jersey	NELAP	VT972	06-30-24
New York	NELAP	10391	03-31-24
Pennsylvania	NELAP	68-00489	04-30-24
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-24
Virginia	NELAP	460209	12-14-23
Wisconsin	State	399140830	08-31-24

Method Summary

Client: AECOM
Job ID: 480-213504-1
Project/Site: Scott Figgie West of Plant 2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUR
300.0	Anions, Ion Chromatography	EPA	EET BUF
310.2	Alkalinity	EPA	EET BUF
353.2	Nitrate	EPA	EET BUF
353.2	Nitrogen, Nitrite	EPA	EET BUF
9060A	Organic Carbon, Total (TOC)	SW846	EET BUF
SM 3500 FE D	Iron, Ferrous and Ferric	SM	EET BUF
SM 4500 S2 F	Sulfide, Total	SM	EET BUF
5030C	Purge and Trap	SW846	EET BUF
Filtration	Sample Filtration	None	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

None = None

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

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

Job ID: 480-213504-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-213504-1	MW-8R	Water	10/09/23 11:45	10/09/23 16:00
480-213504-2	MW-11	Water	10/09/23 10:30	10/09/23 16:00
480-213504-3	MW-13S	Water	10/09/23 12:45	10/09/23 16:00
480-213504-4	MW-16D	Water	10/09/23 14:50	10/09/23 16:00
480-213504-5	Trip Blank	Water	10/09/23 00:00	10/09/23 16:00
480-213504-6	Duplicate	Water	10/09/23 09:00	10/09/23 16:00
480-213505-1	MW-8R	Water	10/09/23 11:45	10/09/23 16:00
480-213505-2	MW-13S	Water	10/09/23 12:45	10/09/23 16:00
480-213505-3	MW-16D	Water	10/09/23 14:50	10/09/23 16:00
480-213505-4	MW-11	Water	10/09/23 10:30	10/09/23 16:00
480-213552-1	MW-2	Water	10/10/23 12:50	10/10/23 14:30
480-213552-2	MW-4	Water	10/10/23 09:20	10/10/23 14:30
480-213552-3	MW-3	Water	10/10/23 11:40	10/10/23 14:30
480-213552-4	MW-13D	Water	10/10/23 10:45	10/10/23 14:30
480-213552-5	MW-16S	Water	10/10/23 08:30	10/10/23 14:30
480-213552-6	Trip Blank	Water	10/10/23 00:00	10/10/23 14:30
480-213552-7	Rinse Blank	Water	10/10/23 13:15	10/10/23 14:30
480-213553-1	MW-4	Water	10/10/23 09:20	10/10/23 14:30
480-213553-2	MW-16S	Water	10/10/23 08:30	10/10/23 14:30
480-213596-1	DPE-3	Water	10/10/23 14:30	10/11/23 15:30
480-213596-2	DPE-4	Water	10/10/23 14:50	10/11/23 15:30
480-213596-3	DPE-5	Water	10/10/23 15:10	10/11/23 15:30
480-213596-4	DPE-6	Water	10/10/23 15:30	10/11/23 15:30
480-213596-5	DPE-7	Water	10/10/23 16:00	10/11/23 15:30
480-213596-6	DPE-8	Water	10/10/23 16:20	10/11/23 15:30
480-213596-7	GWCT	Water	10/10/23 16:40	10/11/23 15:30
480-213596-8	DPE-1	Water	10/10/23 14:00	10/11/23 15:30
480-213657-1	DPE-2	Water	10/12/23 11:30	10/13/23 15:25

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213504-1

Login Number: 213504
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213504-1

Login Number: 213505
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213504-1

Login Number: 213505
List Number: 2
Creator: Muniz, Luca

List Source: Eurofins Burlington
List Creation: 10/13/23 04:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2225789, 2225788
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9ºC, 1.7ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213504-1

Login Number: 213552
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213504-1

Login Number: 213553
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213504-1

Login Number: 213553
List Number: 2
Creator: Muniz, Luca

List Source: Eurofins Burlington
List Creation: 10/13/23 03:48 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2225789, 2225788
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9ºC, 1.7ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	False	did not recieve two containers that were listed on the COC
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213504-1

Login Number: 213596
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213504-1

Login Number: 213657
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C. Horrocks	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-188447-3450.1
Client Contact: Mr. Dino Zack	Phone: 585-317-6137	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 50 Lakefront Bouelvard Suite 111	Due Date Requested: STD			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:
City: Buffalo	TAT Requested (days): Per PO			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not requir			
Email: dino.zack@aecom.com	WO #:			
Project Name: Scott Figgie - GW	Project #: 48002539			
Site: New York	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	9060A - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total # of containers
			Preservation Code:				A	S	A	
~~MW-2~~				Water						
~~MW-4~~				Water						
MW-8R	10/9/23	1145	G	Water				X	X	6
~~MW-3~~				Water						
MW-11	10/9/23	1030	G	Water				X	X	6
MW-13S	10/9/23	1245	G	Water				X	X	6
~~MW-13D~~				Water						
~~MW-16S~~				Water						
MW-16D	10/9/23	1450	G	Water				X	X	6
~~DPE-1~~				Water						
~~DPE-2~~				Water						

480-213504 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/9/23 1600	AECOM		10/9/23 1600	TAT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1 ICE

Ver: 06/08/2021

10/25/2023

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C. Homolcs	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-188447-3450.2
Client Contact: Mr. Dino Zack	Phone: 585-317-6137	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: AECOM	PWSID:			Job #:
Address: 50 Lakefront Bouelvard Suite 111	Due Date Requested: STD			
City: Buffalo	TAT Requested (days): Per PO			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not requir			
Email: dino.zack@aecom.com	WO #:			
Project Name: Scott Figgie - GW	Project #: 48002539			
Site: New York	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	9060A - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	S	A		
DPE-3				Water							
DPE-4				Water							
DPE-5				Water							
DPE-6				Water							
DPE-7				Water							
DPE-8				Water							
CWCT				Water							
Trip Blank	10/9/23	-	-	Water					X	1	
Rinse Blank				Water							
Duplicate - Duplicate	10/9/23	0900	G	Water					X	3	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10/9/23 1600	AECOM	[signature]	10/9/23 1600	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

10/25/2023

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C. Homolus	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-188445-27848.1
Client Contact: Mr. Dino Zack	Phone: 585-317-6137	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 50 Lakefront Boulevard Suite 111	Due Date Requested: STD			
City: Buffalo	TAT Requested (days): ~~STD~~ Per PO			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 151686			
Email: dino.zack@aecom.com	WO #: 60676130			
Project Name: Scott Figgie West of Plant 2 - MNA	Project #: 48002539			
Site: New York	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175_CO2_D5 - CO2	RSK_175 - Dissolved gases	SM4500_S2_F - sulfide	353.2, 353.2_Nitrite, Nitrate_Calc	310.2 - alkalinity	300.0_28D - (MOD) Sulfate	3500_FE_D - D. ferrous iron (LF)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	CB	N	N	N	N		
~~MW-4~~				~~Water~~											
MW-8R	10/9/23	1145	G	Water			X	X	X	X	X	X	X	2	
MW-13S	10/9/23	1245	G	Water			X	X	X	X	X	X	X	12	
~~MW-16S~~				~~Water~~											
MW-16D	10/9/23	1450	G	Water			X	X	X	X	X	X	X	12	
MW-11	10/9/23	1030	G	Water			X	X	X	X	X	X	X	12	

480-213505 Chain of Custody

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

Sample Disposal ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/9/23 1600	AECOM		10/10/23 1600	TA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.1 ICE

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C. Hommes	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-188447-3450.1
Client Contact: Mr. Dino Zack	Phone: 585-317-6137	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: AECOM	PWSID:			Job #:
Address: 50 Lakefront Boulevard Suite 111	Due Date Requested:			
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not requir			
Email: dino.zack@aecom.com	WO #:			
Project Name: Scott Figgle - GW	Project #: 48002539			
Site: New York	SSOW#:			

Analysis Requested

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

480-213552 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	9060A - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Containers
			Preservation Code:				A	S	A	
MW-2	10/10/23	1250	G	Water				X	X	6
MW-4	10/10/23	0920	G	Water				X	X	6
~~MW-8R~~				Water						
MW-3	10/10/23	1140	G	Water				X	X	6
~~MW-11~~				Water						
~~MW-13S~~				Water						
MW-13D	10/10/23	1045	G	Water				X	X	6
~~MW-16S~~ MW-16S	10/10/23	0830	G	Water				X	X	5
~~MW-16D~~				Water						
~~DPE-1~~				Water						
~~DPE-2~~				Water						

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 10/10/23 1430	Company AECOM	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Received by:	Date/Time:	Company
Received by:	Date/Time:	Company
Received by:	Date/Time: 10/10/23 1430	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 81 #1 ICE

Ver: 06/08/2021

10/25/2023

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C Horras	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-188447-3450.2
Client Contact: Mr. Dino Zack	Phone: 585-317-6137	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: AECOM	PWSID:			Job #:
Address: 50 Lakefront Boulevard Suite 111	Due Date Requested:			
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not requir			
Email: dino.zack@aecom.com	WO #:			
Project Name: Scott Figgle - GW	Project #: 48002539			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	9060A - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	S	A		
~~DPE-3~~				Water							
~~DPE-4~~				Water							
DPE-5				Water							
~~DPE-6~~				Water							
~~DPE-7~~				Water							
DPE-8				Water							
~~GWOT~~				Water							
Trip Blank	10/10/23	—	—	Water					X		
Rinse Blank	10/10/23	1315	G	Water					X		
~~Duplicate~~				Water							

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		10/10/23 1430	AECOM			
					10/10/23 1430	TMS

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C Hoffacks	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-188445-27848.1
Client Contact: Mr. Dino Zack	Phone: 585-317-6137	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 50 Lakefront Bouelvard Suite 111	Due Date Requested: STD			
City: Buffalo	TAT Requested (days): Rel PO			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 151686			
Email: dino.zack@aecom.com	WO #: 60676130			
Project Name: Scott Figgie West of Plant 2 - MNA	Project #: 48002539			
Site: New York	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175_CO2_D5 - CO2	RSK_175 - Dissolved gases	SM4500_S2_F - sulfide	353.2, 353.2_Nitrite, Nitrate_Calc	310.2 - alkalinity	300.0_28D - (MOD) Sulfate	3500_FE_D - D. ferrous iron (LF)	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	A	CB	N	N	N	N		
MW-4	10/10/23	0920	G	Water			X	X	X	X	X	X	X	12	
~~MW-8R~~				Water											
~~MW-13S~~				Water											
MW-16S	10/10/23	0830	G	Water			X	X	X	X	X	X	X	12	
~~MW-16D~~				Water											
~~MW-11~~				Water											

480-213553 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 10/10/23 1430	Company AECOM	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by: Date/Time: 10/13/23 1430 Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 8.1 # IR

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Dino Zack	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-188447-3450.2
Client Contact: Mr. Dino Zack	Phone: 716 866-8222	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: New York	Page: ~~Page 2 of 2~~ 1/1
Company: AECOM	PWSID:			Job #:
Address: 50 Lakefront Boulevard Suite 111	Due Date Requested:			
City: Buffalo	TAT Requested (days): STD Per PO			
State, Zip: NY, 14202	Compliance Project: Δ Yes Δ No			
Phone: 716 866 8222	PO #: Purchase Order not requir			
Email: dino.zack@aecom.com	WO #:			
Project Name: Scott Figgie - GW	Project #: 48002539			
Site: New York	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	9060A - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	S	A		
DPE-3	10/10/23	14:30	G	Water				X	X		
DPE-4	10/10/23	14:50	G	Water				X	X		
DPE-5	10/10/23	15:10	G	Water				X	X		
DPE-6	10/10/23	15:30	G	Water				X	X		
DPE-7	10/10/23	16:00	G	Water				X	X		
DPE-8	10/10/23	16:20	G	Water				X	X		
GWCT	10/10/23	16:40	G	Water				X	X		
~~Trip Blank~~ DPE-2	10/10/23	14:15	G	Water				X	X		
~~Rinse Blank~~ DPE-1	10/10/23	14:00	G	Water				X	X		
~~Duplicate~~				Water							

480-213596 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Special Instructions/QC Requirements: VOC analysis per PO

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Dino Zack	10/10/23	AECOM			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/11/23 1530	Company DHL

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 4.1 ICE

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information

Client Contact: Mr. Dino Zack
Company: AECOM
Address: 50 Lakefront Bouelvard Suite 111
City: Buffalo
State, Zip: NY, 14202
Phone: 716 866 8222
Email: dino.zack@aecom.com
Project Name: Oct-22
Site: West Plant 2

Sampler: Dino Zack
Phone: 716 866 8222
PWSID:
Due Date Requested:
TAT Requested (days): Per PO
Compliance Project: Δ Yes Δ No
PO #: 151701 151686
WO #: 60676146 60676130
Project #: 48011352 480025539
SSOW#:

Lab PM: Fischer, Brian J
E-Mail: Brian.Fischer@et.eurofinsus.com
Carrier Tracking No(s):
State of Origin: NY

COC No: 480-188449-19195.4
Page: Page 4 of 4 1/1
Job #:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	353.2, 353.2_Nitrite, Nitrate_Calc	SM4500_S2_D - Sulfide	310.2 - Alkalinity, Total	RSK_175_CO2_D5 - Carbon dioxide	RSK_175 - methane/ethane/ethene	300.0_28D - Sulfate	3500_FE_D - D. ferrous iron (LF)	9060A - Total Organic Carbon						Total Number of containers
Preservation Code:							A	N	CB	N	N	A	N	N	S						
A1-GP14-S DPE-2	10/12/23	1130	G	Water			X								X						
A1-GP15-S				Water																	
A1-GP16-S				Water																	
Trip Blank				Water																	
Trip Blank				Water																	

480-213657 Chain of Custody

Preservation Codes:

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

Special Instructions/Note:

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

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

Deliverable Requested: I, II, III, IV, Other (specify)
Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by:	10/12/23 1145	AECOM	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:	10/12/23 1525	TMTB

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.6 #1 ice

Ver: 06/08/2021

10/25/2023

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

Chain of Custody Record

eurofins

480-213505 Chain of Custody

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	COC No: 480-83131 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian Fischer@et.eurofinsus com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York	Job #: 480-213505-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 10/23/2023		
City: South Burlington	TAT Requested (days):		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:		
Email:	WO #:		
Project Name: Scott Figgie West of Plant 2	Project #: 48002539		
Site: Scott Aviation Site	SSOW#:		

Analysis Requested

Preservation Codes:

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175_CO2	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-8R (480-213505-1)	10/9/23	11 45 Eastern		Water			X	3	
MW-13S (480-213505-2)	10/9/23	12 45 Eastern		Water			X	3	
MW-16D (480-213505-3)	10/9/23	14 50 Eastern		Water			X	3	
MW-11 (480-213505-4)	10/9/23	10 30 Eastern		Water			X	3	

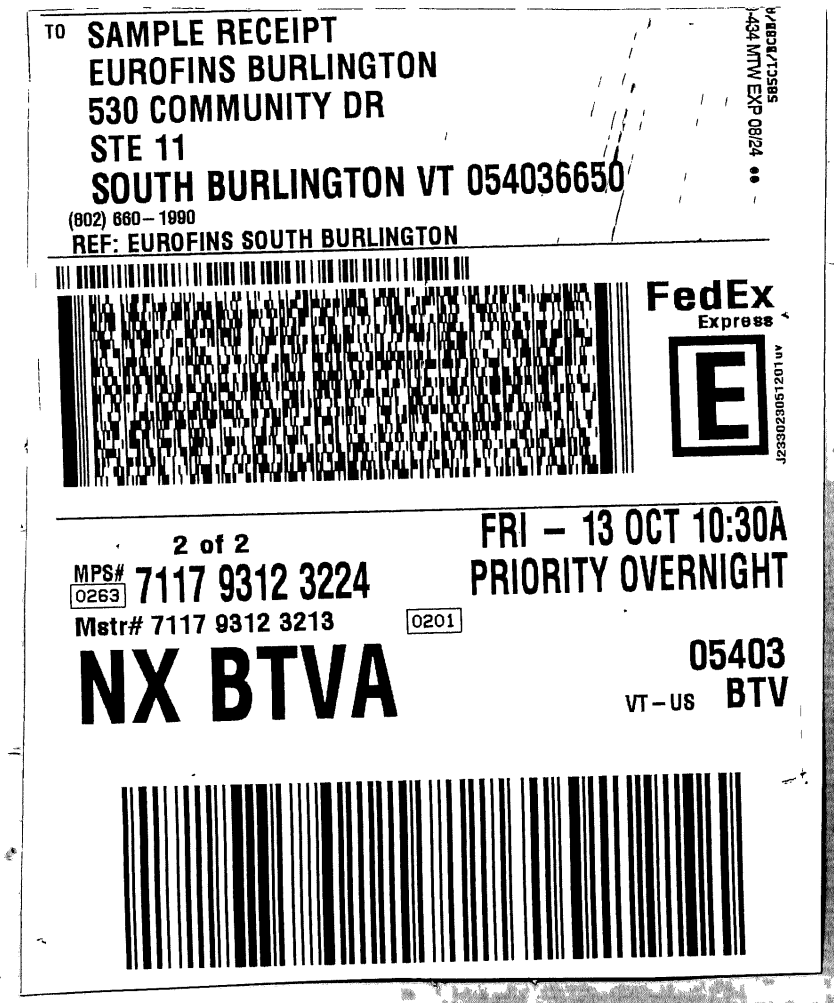
Note Since laboratory accreditations are subject to change Eurofins Environment Testing Northeast, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 4	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:	
Relinquished by: [signature] 10.0/6	Date/Time: 10/12/23 17[illegible]	Company: TA	Received by: [signature]	Date/Time: 10/13/23 10:30	Company: TAB
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

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

Ver 06/08/2021



TO SAMPLE RECEIPT
EUROFINS BURLINGTON
530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 054036650
(802) 660-1990
REF: EUROFINS SOUTH BURLINGTON

9/BBCR/TC3585
-434 MTW EXP 08/24

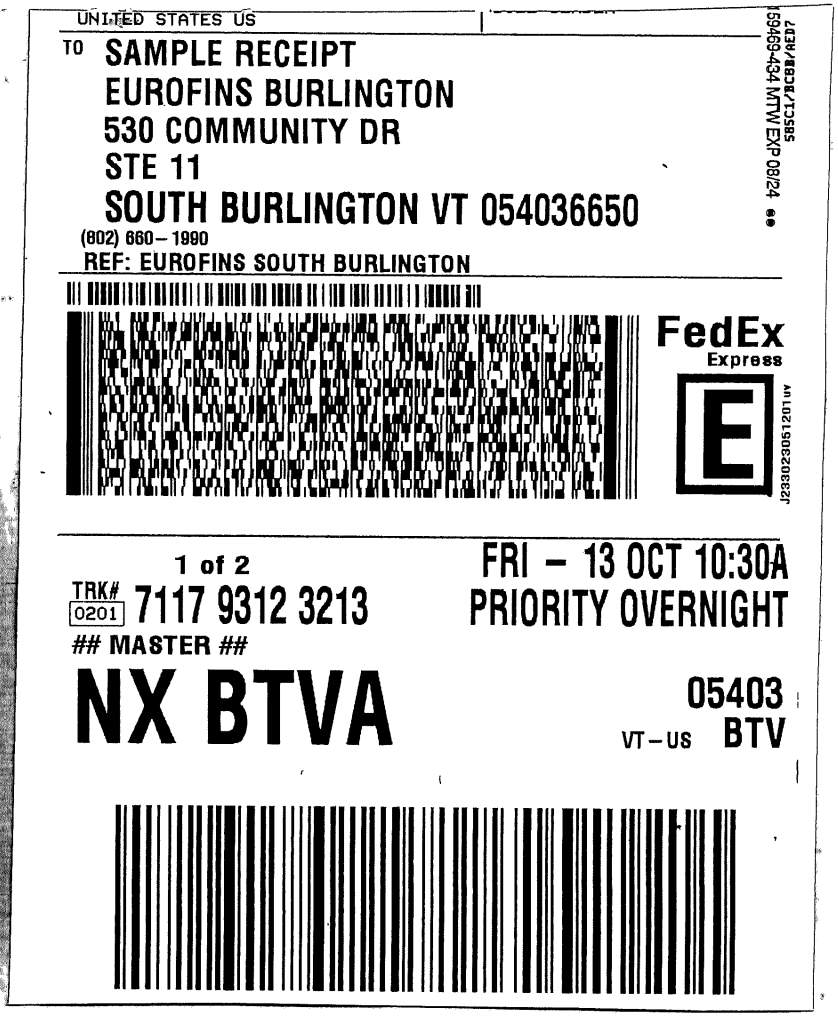
FedEx Express

2 of 2
MPS# 0263 7117 9312 3224
Mstr# 7117 9312 3213
0201

FRI - 13 OCT 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV



UNITED STATES US

TO SAMPLE RECEIPT
EUROFINS BURLINGTON
530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 054036650
(802) 660-1990
REF: EUROFINS SOUTH BURLINGTON

9/BBCR/TC3585
-434 MTW EXP 08/24

FedEx Express

1 of 2
TRK# 0201 7117 9312 3213
MASTER

FRI - 13 OCT 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV

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

Chain of Custody Record

480-213553 Chain of Custody

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J			No: 33179 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian.Fischer@et.eurofinsus.com	New York		Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York			Job #: 480-213553-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 10/23/2023				
City: South Burlington	TAT Requested (days):				
State, Zip: VT, 05403					
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:				
Email:	WO #:				
Project Name: Scott Figgie West of Plant 2	Project #: 48002539				
Site: Scott Aviation Site	SSOW#:				

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175_CO2	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-4 (480-213553-1)	10/10/23	09 20 Eastern		Water			X	3	
MW-16S (480-213553-2)	10/10/23	08 30 Eastern		Water			X	3	

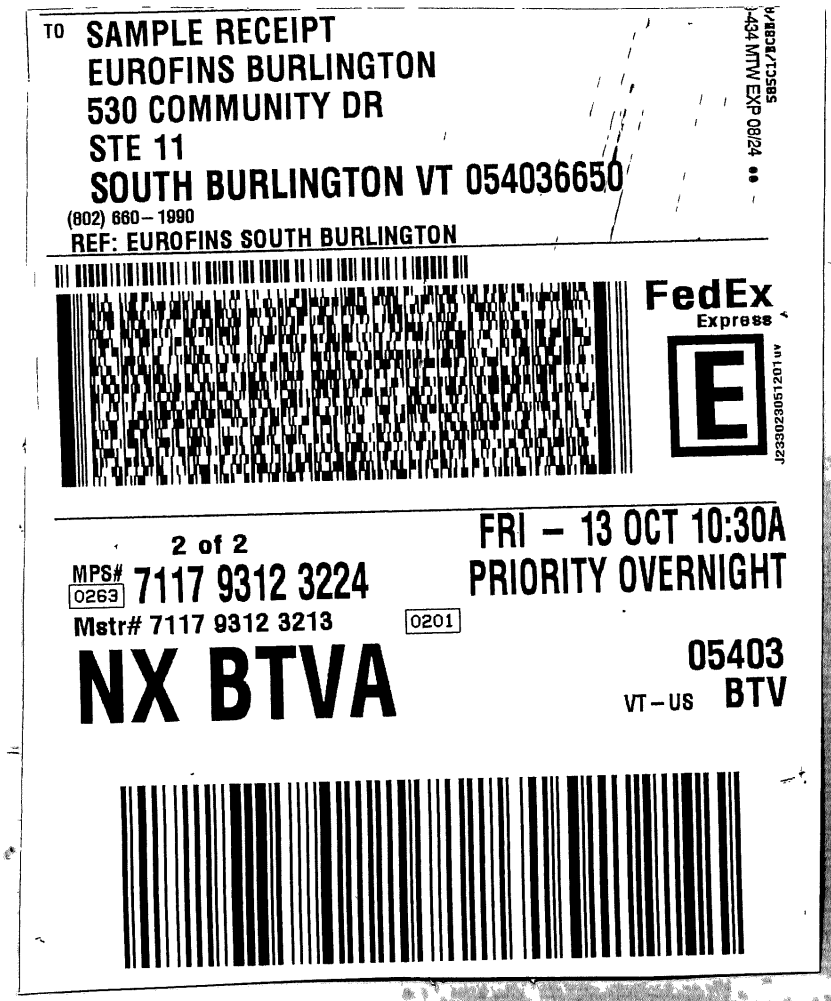
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 4	Special Instructions/QC Requirements

Empty Kit Relinquished by		Date		Time		Method of Shipment:	
Relinquished by: [signature]	Date/Time: 10/12/23 1700	Company: TA	Received by: [signature]	Date/Time: 10/13/23 10:30	Company: TAL BUF		
Relinquished by	Date/Time	Company	Received by	Date/Time	Company		
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company		

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

Ver 06/08/2021



TO SAMPLE RECEIPT
EUROFINS BURLINGTON
530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 054036650
(802) 660-1990
REF: EUROFINS SOUTH BURLINGTON

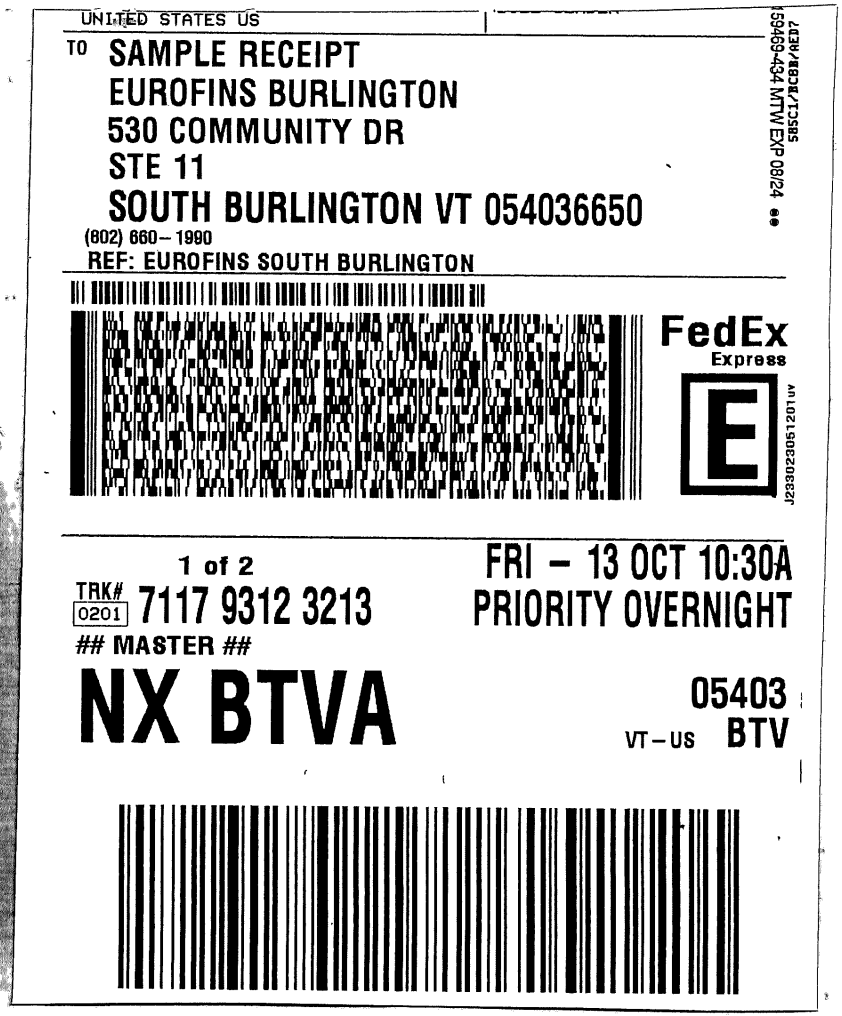
FedEx Express

2 of 2
MPS# 0263 7117 9312 3224
Mstr# 7117 9312 3213
0201

FRI - 13 OCT 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV



UNITED STATES US

TO SAMPLE RECEIPT
EUROFINS BURLINGTON
530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 054036650
(802) 660-1990
REF: EUROFINS SOUTH BURLINGTON

FedEx Express

1 of 2
TRK# 0201 7117 9312 3213
MASTER

FRI - 13 OCT 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Dino Zack
AECOM
50 Lakefront Bouelvard
Suite 111
Buffalo, New York 14202

Generated 10/13/2023 11:06:46 AM

JOB DESCRIPTION

Scott Figgie West of Plant 2

JOB NUMBER

480-213510-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
10/13/2023 11:06:46 AM

Authorized for release by
Joshua Velez, Project Management Assistant I
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Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 480-213510-1
Project/Site: Scott Figgie West of Plant 2

Glossary

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

Case Narrative

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

Job ID: 480-213510-1

Job ID: 480-213510-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-213510-1

Receipt
The samples were received on 10/10/2023 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

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

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

Job ID: 480-213510-1

Client Sample ID: 4Q23 LRP
Date Collected: 10/09/23 08:30
Date Received: 10/10/23 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 480-213510-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,1-Dichloroethane	**0.25**		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			10/11/23 15:16	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,2-Dichloroethene, Total	**25**		0.40	0.40	ppb v/v			10/11/23 15:16	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			10/11/23 15:16	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			10/11/23 15:16	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Acetone	**5.8**		5.0	5.0	ppb v/v			10/11/23 15:16	1
Benzene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Bromoform	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Bromomethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Carbon disulfide	**5.0**		0.50	0.50	ppb v/v			10/11/23 15:16	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Chloroethane	**2.5**		0.50	0.50	ppb v/v			10/11/23 15:16	1
Chloroform	**0.21**		0.20	0.20	ppb v/v			10/11/23 15:16	1
Chloromethane	ND		0.50	0.50	ppb v/v			10/11/23 15:16	1
cis-1,2-Dichloroethene	**25**		0.20	0.20	ppb v/v			10/11/23 15:16	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Cyclohexane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Dichlorodifluoromethane	ND		0.50	0.50	ppb v/v			10/11/23 15:16	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Freon TF	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			10/11/23 15:16	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			10/11/23 15:16	1
Methyl Butyl Ketone (2-Hexanone)	**12**		0.50	0.50	ppb v/v			10/11/23 15:16	1
Methyl Ethyl Ketone	**9.4**		0.50	0.50	ppb v/v			10/11/23 15:16	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			10/11/23 15:16	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1

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

Job ID: 480-213510-1

Client Sample ID: 4Q23 LRP
Date Collected: 10/09/23 08:30
Date Received: 10/10/23 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 480-213510-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50	0.50	ppb v/v			10/11/23 15:16	1
n-Heptane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
n-Hexane	ND		0.50	0.50	ppb v/v			10/11/23 15:16	1
Styrene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			10/11/23 15:16	1
Tetrachloroethene	**1.3**		0.20	0.20	ppb v/v			10/11/23 15:16	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			10/11/23 15:16	1
Toluene	**0.52**		0.20	0.20	ppb v/v			10/11/23 15:16	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Trichloroethene	**0.27**		0.20	0.20	ppb v/v			10/11/23 15:16	1
Trichlorofluoromethane	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1
Vinyl chloride	**35**		0.20	0.20	ppb v/v			10/11/23 15:16	1
Xylene (total)	ND		0.70	0.70	ppb v/v			10/11/23 15:16	1
Xylene, o-	ND		0.20	0.20	ppb v/v			10/11/23 15:16	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			10/11/23 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			10/11/23 15:16	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			10/11/23 15:16	1
1,1-Dichloroethane	**1.0**		0.81	0.81	ug/m3			10/11/23 15:16	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			10/11/23 15:16	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			10/11/23 15:16	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			10/11/23 15:16	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			10/11/23 15:16	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			10/11/23 15:16	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			10/11/23 15:16	1
1,2-Dichloroethene, Total	**99**		1.6	1.6	ug/m3			10/11/23 15:16	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			10/11/23 15:16	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			10/11/23 15:16	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			10/11/23 15:16	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			10/11/23 15:16	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			10/11/23 15:16	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			10/11/23 15:16	1
1,4-Dioxane	ND		18	18	ug/m3			10/11/23 15:16	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			10/11/23 15:16	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			10/11/23 15:16	1
3-Chloropropene	ND		1.6	1.6	ug/m3			10/11/23 15:16	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			10/11/23 15:16	1
Acetone	**14**		12	12	ug/m3			10/11/23 15:16	1
Benzene	ND		0.64	0.64	ug/m3			10/11/23 15:16	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			10/11/23 15:16	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			10/11/23 15:16	1
Bromoform	ND		2.1	2.1	ug/m3			10/11/23 15:16	1
Bromomethane	ND		0.78	0.78	ug/m3			10/11/23 15:16	1
Carbon disulfide	**16**		1.6	1.6	ug/m3			10/11/23 15:16	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			10/11/23 15:16	1
Chlorobenzene	ND		0.92	0.92	ug/m3			10/11/23 15:16	1
Chloroethane	**6.5**		1.3	1.3	ug/m3			10/11/23 15:16	1

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

Job ID: 480-213510-1

Client Sample ID: 4Q23 LRP
Date Collected: 10/09/23 08:30
Date Received: 10/10/23 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 480-213510-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	**1.0**		0.98	0.98	ug/m3			10/11/23 15:16	1
Chloromethane	ND		1.0	1.0	ug/m3			10/11/23 15:16	1
cis-1,2-Dichloroethene	**97**		0.79	0.79	ug/m3			10/11/23 15:16	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			10/11/23 15:16	1
Cyclohexane	ND		0.69	0.69	ug/m3			10/11/23 15:16	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			10/11/23 15:16	1
Dichlorodifluoromethane	ND		2.5	2.5	ug/m3			10/11/23 15:16	1
Ethylbenzene	ND		0.87	0.87	ug/m3			10/11/23 15:16	1
Freon TF	ND		1.5	1.5	ug/m3			10/11/23 15:16	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			10/11/23 15:16	1
Isopropyl alcohol	ND		12	12	ug/m3			10/11/23 15:16	1
m,p-Xylene	ND		2.2	2.2	ug/m3			10/11/23 15:16	1
Methyl Butyl Ketone (2-Hexanone)	**48**		2.0	2.0	ug/m3			10/11/23 15:16	1
Methyl Ethyl Ketone	**28**		1.5	1.5	ug/m3			10/11/23 15:16	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			10/11/23 15:16	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			10/11/23 15:16	1
Methylene Chloride	ND		1.7	1.7	ug/m3			10/11/23 15:16	1
n-Heptane	ND		0.82	0.82	ug/m3			10/11/23 15:16	1
n-Hexane	ND		1.8	1.8	ug/m3			10/11/23 15:16	1
Styrene	ND		0.85	0.85	ug/m3			10/11/23 15:16	1
tert-Butyl alcohol	ND		15	15	ug/m3			10/11/23 15:16	1
Tetrachloroethene	**8.7**		1.4	1.4	ug/m3			10/11/23 15:16	1
Tetrahydrofuran	ND		15	15	ug/m3			10/11/23 15:16	1
Toluene	**2.0**		0.75	0.75	ug/m3			10/11/23 15:16	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			10/11/23 15:16	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			10/11/23 15:16	1
Trichloroethene	**1.5**		1.1	1.1	ug/m3			10/11/23 15:16	1
Trichlorofluoromethane	ND		1.1	1.1	ug/m3			10/11/23 15:16	1
Vinyl chloride	**89**		0.51	0.51	ug/m3			10/11/23 15:16	1
Xylene (total)	ND		3.0	3.0	ug/m3			10/11/23 15:16	1
Xylene, o-	ND		0.87	0.87	ug/m3			10/11/23 15:16	1

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

Job ID: 480-213510-1

Client Sample ID: 4Q23 AS
Date Collected: 10/09/23 08:40
Date Received: 10/10/23 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 480-213510-2
Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			10/11/23 16:07	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,2-Dichloroethene, Total	**2.1**		0.40	0.40	ppb v/v			10/11/23 16:07	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			10/11/23 16:07	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			10/11/23 16:07	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Acetone	**5.1**		5.0	5.0	ppb v/v			10/11/23 16:07	1
Benzene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Bromoform	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Bromomethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Carbon disulfide	**0.66**		0.50	0.50	ppb v/v			10/11/23 16:07	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Chloroethane	**0.95**		0.50	0.50	ppb v/v			10/11/23 16:07	1
Chloroform	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Chloromethane	ND		0.50	0.50	ppb v/v			10/11/23 16:07	1
cis-1,2-Dichloroethene	**2.1**		0.20	0.20	ppb v/v			10/11/23 16:07	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Cyclohexane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Dichlorodifluoromethane	ND		0.50	0.50	ppb v/v			10/11/23 16:07	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Freon TF	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			10/11/23 16:07	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			10/11/23 16:07	1
Methyl Butyl Ketone (2-Hexanone)	**11**		0.50	0.50	ppb v/v			10/11/23 16:07	1
Methyl Ethyl Ketone	**7.7**		0.50	0.50	ppb v/v			10/11/23 16:07	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			10/11/23 16:07	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1

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

Job ID: 480-213510-1

Client Sample ID: 4Q23 AS
Date Collected: 10/09/23 08:40
Date Received: 10/10/23 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 480-213510-2
Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50	0.50	ppb v/v			10/11/23 16:07	1
n-Heptane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
n-Hexane	ND		0.50	0.50	ppb v/v			10/11/23 16:07	1
Styrene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			10/11/23 16:07	1
Tetrachloroethene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			10/11/23 16:07	1
Toluene	**0.30**		0.20	0.20	ppb v/v			10/11/23 16:07	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Trichloroethene	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Trichlorofluoromethane	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1
Vinyl chloride	**0.34**		0.20	0.20	ppb v/v			10/11/23 16:07	1
Xylene (total)	ND		0.70	0.70	ppb v/v			10/11/23 16:07	1
Xylene, o-	ND		0.20	0.20	ppb v/v			10/11/23 16:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			10/11/23 16:07	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			10/11/23 16:07	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			10/11/23 16:07	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			10/11/23 16:07	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			10/11/23 16:07	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			10/11/23 16:07	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			10/11/23 16:07	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			10/11/23 16:07	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			10/11/23 16:07	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			10/11/23 16:07	1
1,2-Dichloroethene, Total	**8.3**		1.6	1.6	ug/m3			10/11/23 16:07	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			10/11/23 16:07	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			10/11/23 16:07	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			10/11/23 16:07	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			10/11/23 16:07	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			10/11/23 16:07	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			10/11/23 16:07	1
1,4-Dioxane	ND		18	18	ug/m3			10/11/23 16:07	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			10/11/23 16:07	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			10/11/23 16:07	1
3-Chloropropene	ND		1.6	1.6	ug/m3			10/11/23 16:07	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			10/11/23 16:07	1
Acetone	**12**		12	12	ug/m3			10/11/23 16:07	1
Benzene	ND		0.64	0.64	ug/m3			10/11/23 16:07	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			10/11/23 16:07	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			10/11/23 16:07	1
Bromoform	ND		2.1	2.1	ug/m3			10/11/23 16:07	1
Bromomethane	ND		0.78	0.78	ug/m3			10/11/23 16:07	1
Carbon disulfide	**2.1**		1.6	1.6	ug/m3			10/11/23 16:07	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			10/11/23 16:07	1
Chlorobenzene	ND		0.92	0.92	ug/m3			10/11/23 16:07	1
Chloroethane	**2.5**		1.3	1.3	ug/m3			10/11/23 16:07	1

Client: AECOM
Job ID: 480-213510-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: 4Q23 AS
Lab Sample ID: 480-213510-2
Date Collected: 10/09/23 08:40
Matrix: Air
Date Received: 10/10/23 10:20
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.98	0.98	ug/m3			10/11/23 16:07	1
Chloromethane	ND		1.0	1.0	ug/m3			10/11/23 16:07	1
cis-1,2-Dichloroethene	**8.5**		0.79	0.79	ug/m3			10/11/23 16:07	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			10/11/23 16:07	1
Cyclohexane	ND		0.69	0.69	ug/m3			10/11/23 16:07	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			10/11/23 16:07	1
Dichlorodifluoromethane	ND		2.5	2.5	ug/m3			10/11/23 16:07	1
Ethylbenzene	ND		0.87	0.87	ug/m3			10/11/23 16:07	1
Freon TF	ND		1.5	1.5	ug/m3			10/11/23 16:07	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			10/11/23 16:07	1
Isopropyl alcohol	ND		12	12	ug/m3			10/11/23 16:07	1
m,p-Xylene	ND		2.2	2.2	ug/m3			10/11/23 16:07	1
Methyl Butyl Ketone (2-Hexanone)	**43**		2.0	2.0	ug/m3			10/11/23 16:07	1
Methyl Ethyl Ketone	**23**		1.5	1.5	ug/m3			10/11/23 16:07	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			10/11/23 16:07	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			10/11/23 16:07	1
Methylene Chloride	ND		1.7	1.7	ug/m3			10/11/23 16:07	1
n-Heptane	ND		0.82	0.82	ug/m3			10/11/23 16:07	1
n-Hexane	ND		1.8	1.8	ug/m3			10/11/23 16:07	1
Styrene	ND		0.85	0.85	ug/m3			10/11/23 16:07	1
tert-Butyl alcohol	ND		15	15	ug/m3			10/11/23 16:07	1
Tetrachloroethene	ND		1.4	1.4	ug/m3			10/11/23 16:07	1
Tetrahydrofuran	ND		15	15	ug/m3			10/11/23 16:07	1
Toluene	**1.1**		0.75	0.75	ug/m3			10/11/23 16:07	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			10/11/23 16:07	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			10/11/23 16:07	1
Trichloroethene	ND		1.1	1.1	ug/m3			10/11/23 16:07	1
Trichlorofluoromethane	ND		1.1	1.1	ug/m3			10/11/23 16:07	1
Vinyl chloride	**0.87**		0.51	0.51	ug/m3			10/11/23 16:07	1
Xylene (total)	ND		3.0	3.0	ug/m3			10/11/23 16:07	1
Xylene, o-	ND		0.87	0.87	ug/m3			10/11/23 16:07	1

Lab Chronicle

Client: AECOM
Job ID: 480-213510-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: 4Q23 LRP
Lab Sample ID: 480-213510-1
Date Collected: 10/09/23 08:30
Matrix: Air
Date Received: 10/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	196314	A1B	EET BUR	10/11/23 15:16

Client Sample ID: 4Q23 AS
Lab Sample ID: 480-213510-2
Date Collected: 10/09/23 08:40
Matrix: Air
Date Received: 10/10/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	196314	A1B	EET BUR	10/11/23 16:07

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AECOM
Job ID: 480-213510-1
Project/Site: Scott Figgie West of Plant 2

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-18-24
Florida	NELAP	E87467	06-30-24
Minnesota	NELAP	050-999-436	12-31-23
New Hampshire	NELAP	2006	12-18-23
New Jersey	NELAP	VT972	06-30-24
New York	NELAP	10391	03-31-24
Pennsylvania	NELAP	68-00489	04-30-24
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-24
Virginia	NELAP	460209	12-14-23
Wisconsin	State	399140830	08-31-24

Method Summary

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

Job ID: 480-213510-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: AECOM
Job ID: 480-213510-1
Project/Site: Scott Figgie West of Plant 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-213510-1	4Q23 LRP	Air	10/09/23 08:30	10/10/23 10:20	Air Canister (6-Liter) #3666
480-213510-2	4Q23 AS	Air	10/09/23 08:40	10/10/23 10:20	Air Canister (6-Liter) #4069

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-213510-1

Login Number: 213510
List Number: 1
Creator: Reynolds, Jamie K

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	2220854, 2220855
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	No: Thermal preservation not required
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660 1919

Canister Samples Chain of Custody Record

480-213510 Chain of Custody

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

America

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

Client Contact Information	**Client Project Manager:** Dino Zack	**Samples Collected By:** Dino Zack	COC No. 1 of 1 COCs
Company Name: AECOM	**Phone:** 716 866 8222		
Address: 50 Linkfield suite 111	**Email:** Dino.Zack@aecom.com		TALS Project #:
City/State/Zip Buffalo, NY 14202			**For Lab Use Only:**
Phone: 716 866 8222	**Site Contact:** Dino Zack		Walk-in Client:
FAX.	**Tel/Fax**		Lab Sampling:
Project Name South West Plant 2	**Analysis Turnaround Time**		Job / SDG No
Site/Location: Lancaster	Standard (Specific):		(See below for Add'l Items)
P O #	Rush (Specifiy): STD TAT		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
4Q23 LRP	10/9/23	0830	10/9/23	0830	-29.5	NA	NA	3666	X														TO-15 per PO
4Q23 AS	10/9/23	0840	10/9/23	0840	-29.	NA	NA	4069	X														TO-15 per PO

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments: TO 15 per PO

Samples Shipped by: Dino Zack	**Date / Time:** 10/9/23 1200hrs	**Samples Received by:** ETA Burl 10/10/23 1020
Samples Relinquished by:	**Date / Time:**	**Received by:**
Relinquished by:	**Date / Time:**	**Received by:**

Lab Use Only: **Shipper Name:** **Opened by:** **Condition:**

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

10/13/2023

eurofins | Environment Testing TestAmerica

ORIGIN ID:DKKA (716) 691-2600
BUFFALO LAB
EUROFINS BUFFALO
10 HAZELWOOD DRIVE

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 09OCT23
ACTWGT: 13.40 LB
CAD: 846654/CAFE3753

BILL SENDER

TO SAMPLE MGT.
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1026
REF: TA SOUTH BURLINGTON

FedEx Express

TRK# 0201 6758 4754 8367

TUE - 10 OCT 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV

SiREM
Leading Science · Lasting Solutions

130 Stone Rd. W
Guelph, ON N1G 3Z2
(519) 822-2265

Analytical Results

SiREM File Reference: S-10087

Client: AECOM
Client Project Number: 60676130
Date Samples Received: October 13, 2023
Date Samples Analyzed: October 19, 2023

Client Sample ID	SiREM Reference ID	Client Sample Date	Sample Dilution Factor	Lactate	Acetate	Propionate	Formate	Butyrate	Pryuvate
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-16S	23-15537	12-Oct-23	1,000x	60	1,537	4,387	9.9 J	625	41
MW-8R	23-15538	12-Oct-23	50x	<0.50	158	269	<0.25	38	0.82 J
QL			50	0.50	0.30	0.26	0.25	0.06	0.75
			1,000	10	5.9	5.3	5.0	1.2	15
RL			50	2.0	2.0	2.0	2.0	2.0	2.0
			1,000	40	40	40	40	40	40

Comments:
Method: Ion Chromatography with Electrical Conductivity Detection
J = the associated value is an estimated result between the QL and the RL
mg/L - milligram per liter
QL = Quantitation limit
RL = Reprting Limit
< = compound analysed for but not detected, associated value is QL. Sample QL is corrected for dilution.

Analyst: Brooke Rapien
Brooke Rapien, B.Sc.
Laboratory Technician II

Results approved: Kela Ashworth
Kela Ashworth, B.Sc.
Scientist

Date: 23-Oct-23

SiREM

Canadian Shipping Address:
130 Stone Road West
Guelph, Ontario N1G 3Z2
PH: 1-519-822-2265
Toll Free PH: 1-866-251-1747
www.siremlab.com

U.S. Shipping Address:
180B Market Place Blvd
Knoxville, TN 37922
PH: 1-865-330-0037
Toll Free PH: 1-866-251-1747

Chain of Custody (COC) Record

Lab # S-10087

Project Name: West Plant 2	Project # (Optional): 60676130		
Project Manager: Dino Zach	Proposal #:		
Company: AECOM	Email Address: Dino.Zach@aecom.com		
Address (Street): 50 Lakefront Blvd Suite 111			
City: Buffalo	State/Province: New York	Country: USA	
Phone #: 716-866-8222			
Sampler's Signature:	Sampler's Printed Name: Dino Zach		

Analysis

1 of 1 COCs

For Lab Use Only
SiREM Database Info
Recorded By: KW
Date: 101323

Client Sample ID	Sampling Date	Sampling Time	Matrix	Number of Containers	Sample Preservative	VFA (Per PO)	Gene-Trac (Per PO)	Other Information (Optional)	Sample ID
MW-16S	10/12/23	0630	GW	3	ice	2	1	bubble in VFA; Analysis per PO 141704	
MW-8R	10/12/23	0715	GW	3	ice	3		large bubble in one/3	

Billing Information (Optional)
P.O. #: PO 141704
Bill To: AECOM

For Lab Use Only
Observed Cooler Temperature (°C): 6.9 wet ice
Corrected Cooler Temperature (°C):
Thermometer ID: KX00216
Cooler Number (if applicable): n/a
Custody Seals Intact: ☐ Yes ☐ No ☒ Not Applicable
Custody Seal Number (if applicable): n/a

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature: Kyra Williams	Signature:	Signature:	Signature:	Signature:
Printed Name: Dino Zach	Printed Name: Kyra Williams	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: AECOM	Firm: SiREM	Firm:	Firm:	Firm:	Firm:
Date/Time: 10/12/23 0900	Date/Time: 10/13/23 0900	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Please note: The SiREM Knoxville location does not have a loading dock. For large volume shipments a truck with a lift gate is required.

SiREM

Canadian Shipping Address:
130 Stone Road West
Guelph, Ontario N1G 3Z2
PH: 1-519-822-2265
Toll Free PH: 1-866-251-1747
www.siremlab.com

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160B Market Place Blvd
Knoxville, TN 37922
PH: 1-865-330-0037
Toll Free PH: 1-866-251-1747

Chain of Custody (COC) Record

COPY

Lab # S-10087

Project Name: West Plant 2	Project # (Optional): 60676130		
Project Manager: Dino Zach	Proposal #:		
Company: AECOM	Email Address: Dino.Zach@aecom.com		
Address (Street): 50 Lakefront Blvd Suite 111			
City: Buffalo	State/Province: New York	Country: USA	
Phone #: 716-866-8222			
Sampler's Signature: DZ	Sampler's Printed Name: Dino Zach		

Analysis

1 of 1 COCs

Client Sample ID	Sampling Date	Sampling Time	Matrix	Number of Containers	Sample Preservative	VFA (Per PO)	Gene-Trac (Per PO)	Other Information (Optional)	Sample ID
MW-16S	10/12/23	0630	GW	3 1	ice	2	1	Analysis per PO 141704	
MW-8R	10/12/23	0715	GW	3 1	ice	3		large bubble in 1 of 3	

For Lab Use Only
SIREM Database Info
Recorded By: KW
Date: 101323

Billing Information (Optional)
P.O. #: PO 141704
Bill To: AECOM

For Lab Use Only
Observed Cooler Temperature (°C): 6.9 wet ice
Corrected Cooler Temperature (°C):
Thermometer ID: KX00216
Cooler Number (if applicable): n/a
Custody Seals Intact: ☐ Yes ☐ No ☒ Not Applicable
Custody Seal Number (if applicable): n/a

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: DZ	Signature: Kyra Williams	Signature: K Cracchiola	Signature: Celina	Signature:	Signature:
Printed Name: Dino Zach	Printed Name: Kyra Williams	Printed Name: K. Cracchiola	Printed Name: Celina Dilcay	Printed Name:	Printed Name:
Firm: AECOM	Firm: SiREM	Firm: SiREM	Firm: SiREM	Firm:	Firm:
Date/Time: 10/12/23 0900	Date/Time: 10/13/23 0900	Date/Time: 10-16-23 1600	Date/Time: 19-Oct 2023 9:45 am	Date/Time:	Date/Time:

Please note: The SiREM Knoxville location does not have a loading dock. For large volume shipments a truck with a lift gate is required.

6. 2.6°C

SiREM
Leading Science · Lasting Solutions

180A Market Place Blvd.
Knoxville, TN 37922

130 Stone Rd. W
Guelph, ON N1G 3Z2

Gene-Trac® Certificate of Analysis

Customer: Dino Zack
Email: Dino.Zack@aecom.com
Phone: 716-866-8222
Company: AECOM
Project Name: West Plant 2
Method Reference: SOP-002, 019, 108, 114, & 116

Batch Reference: S-10087
Report Date: 30-Oct-23
Certificate Number: CAG-0715
Test Location(s): Knoxville and Guelph
Customer Reference: 60676130

The results included herein only apply to the samples described within and are applicable to the items as received. This certificate is not to be repoduced unless in full.

SOP-116 (DNA Extraction), SOP-114 (DNA Quantification), and SOP-108 (Dhc testing) were performed at SiREM Knoxville, the remainder of testing was performed at SiREM Guelph.

gene trac®
ilac-MRA
PJLA Testing
Accreditation # 89844

 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017

Certificate of Analysis: Gene-Trac® *Dehalococcoides* Assay

Certificate Number: CAG-0715

Data File(s): QS3K-DHCT-TM-QPCR-2228

Run Date(s): 18-Oct-23

Table 1a: Test Results

Sample ID	*Dehalococcoides* (Dhc)	
	Percent Dhc[1]	Enumeration/Liter[2,3]
MW-16S	0.4 - 1 %	3×10^7

See final page for notes.

Analyst: KJE
KJ Elipse-Cruz, B.Sc.
Laboratory Technician II

Approved: Jennifer Wilkinson
Jen Wilkinson
Senior Genetic Testing Specialist

Certificate of Analysis: Gene-Trac® Functional Gene Assay

Certificate Number: CAG-0715

Data File(s): QS3A-FGA-QPCR-1439

Run Date(s): 25-Oct-23

Table 1b: Test Results

Sample ID	VC Reductase (*vcrA*)		BAV1 VC Reductase (*bvcA*)		TCE Reductase (*tceA*)	
	Percent *vcrA* [4]	Gene Copies/Liter[2]	Percent *bvcA* [4]	Gene Copies/Liter[2]	Percent *tceA* [4]	Gene Copies/Liter[2]
MW-16S	0.7 - 2 %	4×10^7	0.04 - 0.1 %	2×10^6	0.07 - 0.2%	4×10^6

See final page for notes.

Analyst: KJE
KJ Elipse-Cruz, B.Sc.
Laboratory Technician II

Approved: Jennifer Wilkinson
Jen Wilkinson
Senior Genetic Testing Specialist

Certificate of Analysis: Gene-Trac® *Dehalobacter* Assay

Certificate Number: CAG-0715

Data File(s): QS3B-DHB-QPCR-0659

Run Date(s): 25-Oct-23

Table 1c: Test Results

Sample ID	*Dehalobacter* (Dhb)	
	Percent Dhb[1]	Dhb Gene Copies/liter[2]
MW-16S	0.001 - 0.003 %	6×10^4

See final page for notes.

Analyst: KJE
KJ Elipse-Cruz, B.Sc.
Laboratory Technician II

Approved: Jennifer Wilkinson
Jen Wilkinson
Senior Genetic Testing Specialist

Table 2: Detailed Test Parameters, Test Certificate CAG-0715

Customer Sample ID	MW-16S
Date Sampled [5]	12-Oct-23
Matrix	Groundwater
Date Received [5]	13-Oct-23
Sample Temperature	6.9 °C
Filtration Date [5]	17-Oct-23
Volume Used for DNA Extraction	100 mL
DNA Extraction Date	17-Oct-23
DNA Concentration in Sample (extractable)	12,113 ng/L
PCR Amplifiable DNA	Detected
DNA Extraction Control [6]	Passed
Detection Limit (copies/L)	3×10^3
Quantitation Limit (copies/L)	7×10^3
qPCR Controls (see Tables 3 - 5)	Passed
Comments	- -

See final page for notes.

Table 3: Gene-Trac Dhc Control Results, Test Reference CAG-0715

Laboratory Control	Analysis Date	Control Description	Dhc 16S rRNA		Comments
			Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	
Positive Control Low Concentration	18-Oct-23	Synthetic DNA (CSLD-1866)	2.1×10^6	2.3×10^6	Passed
Positive Control High Concentration	18-Oct-23	Synthetic DNA (CSHD-1866)	2.1×10^8	2.6×10^8	Passed
DNA Extraction Blank	18-Oct-23	Sterile Water (FB-4517)	0	6.6×10^2 U	Passed
Negative Control	18-Oct-23	Reagent Blank (TBD-1825)	0	6.6×10^2 U	Passed

See final page for notes.

Table 4: Gene-Trac FGA Control Results, Test Reference CAG-0715

Laboratory Control	Analysis Date	Control Description	*vcrA*		*bvcA*		*tceA*		Comments
			Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	
Positive Control Low Concentration	25-Oct-23	Synthetic DNA (CSLF-1307)	1.1×10^7	9.2×10^6	1.2×10^7	1.1×10^7	7.9×10^6	9.2×10^6	Passed
Positive Control High Concentration	25-Oct-23	Synthetic DNA (CSHF-1307)	1.0×10^9	8.7×10^8	1.1×10^9	1.1×10^9	6.3×10^8	7.6×10^8	Passed
DNA Extraction Blank	25-Oct-23	Sterile Water (FB-4517)	0	6.6×10^2 U	0	6.6×10^2 U	0	6.6×10^2 U	Passed
Negative Control	25-Oct-23	Reagent Blank (TBF-1277)	0	6.6×10^2 U	0	6.6×10^2 U	0	6.6×10^2 U	Passed

See final page for notes.

Table 5: Gene-Trac Dhb Control Results, Test Reference CAG-0715

Laboratory Control	Analysis Date	Control Description	Dhb 16S rRNA		Comments
			Spiked Gene Copies per Liter	Recovered Gene Copies per Liter	
Positive Control Low Concentration	25-Oct-23	Synthetic DNA (CSLDB-0618)	1.3×10^7	1.2×10^7	Passed
Positive Control High Concentration	25-Oct-23	Synthetic DNA (CSHDB-0618)	1.2×10^9	1.2×10^9	Passed
DNA Extraction Blank	25-Oct-23	Sterile Water (FB-4517)	0	6.6×10^2 U	Passed
Negative Control	25-Oct-23	Reagent Blank (TBDB-0618)	0	6.6×10^2 U	Passed

See final page for notes.

Notes:

Dhc = *Dehalococcoides*
vcrA = VC reductase
bvcA = BAV1 VC reductase
tceA = TCE reductase
FGA = functional gene assay
Dhb = *Dehalobacter*
M Non-specific amplification was observed via melt curve analysis
J The associated value is an estimated quantity between the detection limit and quantitation limit.
U Not detected, associated value is the detection limit.
B Analyte was detected in the method blank within an order of magnitude of the test sample.
E Extracted genomic DNA was not detected in the sample.
I Sample inhibited the test reaction based on inability to PCR amplify extracted DNA with universal primers.
ng/L = nanograms per liter
mL = milliliter
NA = not applicable
ND = not detected
DNA = deoxyribonucleic acid
16S rRNA = 16S ribosomal ribonucleic acid
PCR = polymerase chain reaction
qPCR = quantitative PCR
°C = degrees Celsius

[1] Percent *Dehalococcoides* (Dhc) or *Dehalobacter* (Dhb) in microbial population. This value is calculated by dividing the number of 16S ribosomal ribonucleic acid (rRNA) gene copies by the total number of bacteria as estimated by the mass of DNA extracted from the sample. Range represents normal variation in Dhc or Dhb enumeration.

[2] Target quantitation is subject to the variability of the method, this variability has been demonstrated to be +/- 60%.

[3] Based on quantification of Dhc 16S rRNA gene copies. Dhc are generally reported to contain one 16S rRNA gene copy per cell; therefore, this number is often interpreted to represent the number of Dhc cells present in the sample.

[4] Percent of functional gene in microbial population. This value is calculated by dividing the functional gene copies quantified by the total number of estimated prokaryotes in the sample (based on the total quantity of DNA extracted from the sample). A value of 100% would suggest that all microbes in the sample contain the gene.

[5] Samples are stabilized by freezing at -80 °C upon sample reception (field filters) or in-lab filtration (groundwater). Hold time not exceeded if sampling date is within 14 days of date received or filtration date.

[6] DNA is extracted from a standardized bacterial culture sample once per week and Total Bacteria qPCR is performed using standard methods. A recovery greater than 25% of the expected value is deemed acceptable.

[7] Control was outside recovery limit guidelines (+/- 50%), however, test results are deemed acceptable if one of two positive controls fall within the recovery limit guidelines.

SiREM

Canadian Shipping Address:
130 Stone Road West
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Toll Free PH: 1-866-251-1747
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U.S. Shipping Address:
180B Market Place Blvd
Knoxville, TN 37922
PH: 1-865-330-0037
Toll Free PH: 1-866-251-1747

Chain of Custody (COC) Record

Lab # S-10087

Project Name: West Plant 2	Project # (Optional): 60676130		
Project Manager: Dino Zach	Proposal #:		
Company: AECOM	Email Address: Dino.Zach@aecom.com		
Address (Street): 50 Lakefront Blvd Suite 111			
City: Buffalo	State/Province: New York	Country: USA	
Phone #: 716-866-8222			
Sampler's Signature:	Sampler's Printed Name: Dino Zach		

Analysis

1 of 1 COCs

For Lab Use Only
SiREM Database Info
Recorded By: KW
Date: 101323

Client Sample ID	Sampling Date	Sampling Time	Matrix	Number of Containers	Sample Preservative	VFA (Per PO)	Gene-Trac (Per PO)	Other Information (Optional)	Sample ID
MW-16S	10/12/23	0630	GW	3	ice	2	1	bubble in VFA; Analysis per PO 141704	
MW-8R	10/12/23	0715	GW	3	ice	3		large bubble in one/3	

Billing Information (Optional)
P.O. #: PO 141704
Bill To: AECOM

For Lab Use Only
Observed Cooler Temperature (°C): 6.9 wet ice
Corrected Cooler Temperature (°C):
Thermometer ID: KX00216
Cooler Number (if applicable): n/a
Custody Seals Intact: ☐ Yes ☐ No ☒ Not Applicable
Custody Seal Number (if applicable): n/a

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature: Kyra Williams	Signature:	Signature:	Signature:	Signature:
Printed Name: Dino Zach	Printed Name: Kyra Williams	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: AECOM	Firm: SiREM	Firm:	Firm:	Firm:	Firm:
Date/Time: 10/12/23 0900	Date/Time: 10/13/23 0900	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Please note: The SiREM Knoxville location does not have a loading dock. For large volume shipments a truck with a lift gate is required.

Appendix D

Current and Historical Summary of VOCs in Groundwater

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

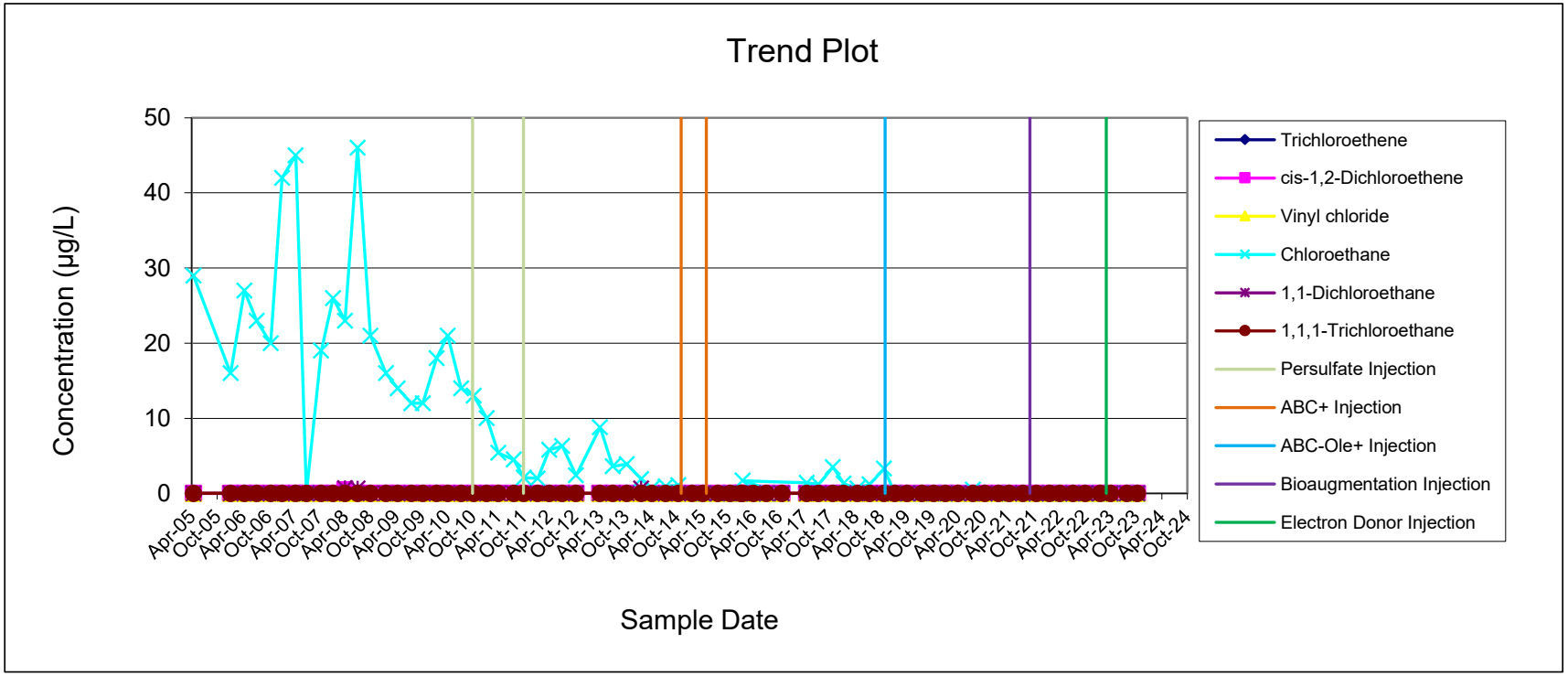
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	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	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/5/2016	<1	<1	<1	<1	<1	<1
4/4/2016	<1	<1	<1	<1	<1	<1
7/5/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2016	<1	<1	<1	1.7	<1	<1
4/20/2017	<1	<1	<1	1.4	<1	<1
7/12/2017	<1	<1	<1	1.2	<1	<1
10/23/2017	<1	<1	<1	3.5	<1	<1
1/8/2018	<1	<1	<1	1.3	<1	<1
4/17/2018	<1	<1	<1	0.65	<1	<1
7/13/2018	<1	<1	<1	1.2	<1	<1
10/24/2018	<1	<1	<1	3.3	<1	<1
1/9/2019	<1	<1	<1	<1	<1	<1
4/8/2019	<1	<1	<1	<1	<1	<1
7/23/2019	<2	<2	<2	<2	<2	<2
10/15/2019	<1	<1	<1	<1	<1	<1
1/7/2020	<1	<1	<1	<1	<1	<1
4/6/2020	<1	<1	<1	<1	<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
4/3/2023	<2	<2	<2	<2	<2	<2
7/26/2023	<1	<1	<1	<1	<1	<1
10/10/2023	<1	<1	<1	<1	<1	<1

MONITORING WELL MW-2

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

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

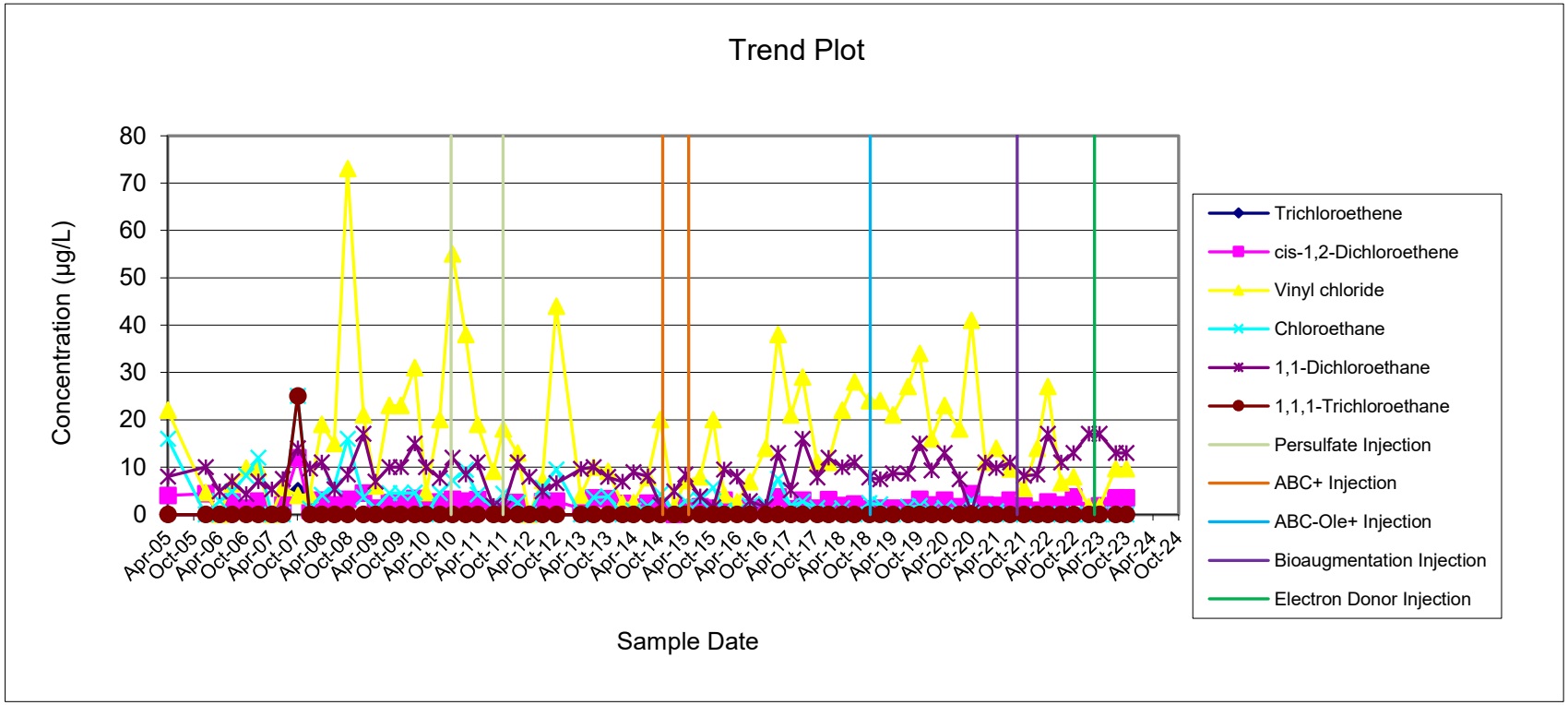
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4.0	22	16	8.0	<10
1/5/2006	< 25	4.4	4.6	< 25	10	< 25
4/14/2006	< 25	< 25	< 25	2.8	4.9	< 25
7/10/2006	< 25	2.6	6.5	4.8	7.0	< 25
10/18/2006	< 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	0.82	1.6	<1	17	<1
4/3/2023	<1	1.8	1.6	<1	17	<1
7/26/2023	<1	3.5	9.7	<1	13	<1
10/9/2023	<1	3.5	9.7	<1	13	<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

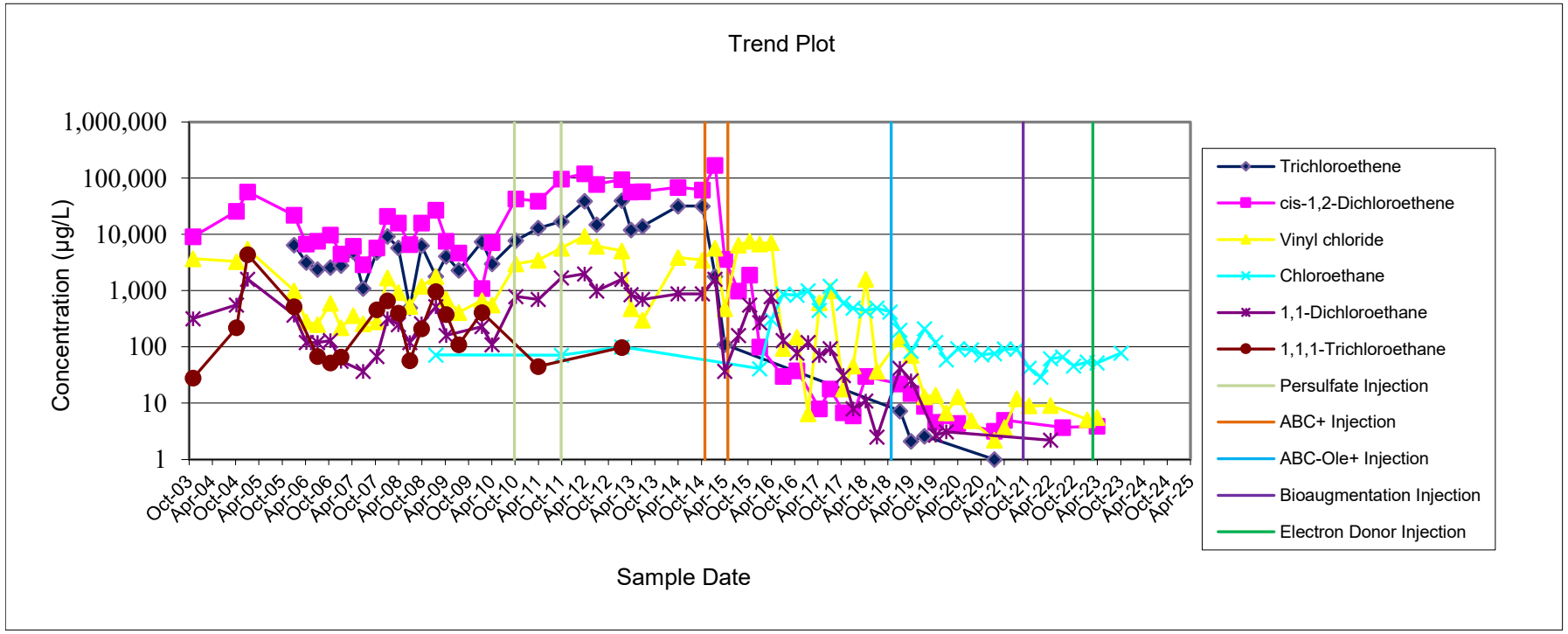
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	22,000	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	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	5.1	54	<4	<4
4/4/2023	<4	3.9	5.6	52	<4	<4
7/28/2023	<20	<20	<20	<20	<20	<20
10/10/2023	<20	<20	<20	78	<20	<20

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
ɪICAL 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
4/8/2020	<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	45.0	<40
4/4/2023	<40	130	2,800	<40	<40	<40
7/27/2023	<40	120	2,700	<40	<40	<40
10/10/2023	<40	<40	250	<40	<40	<40

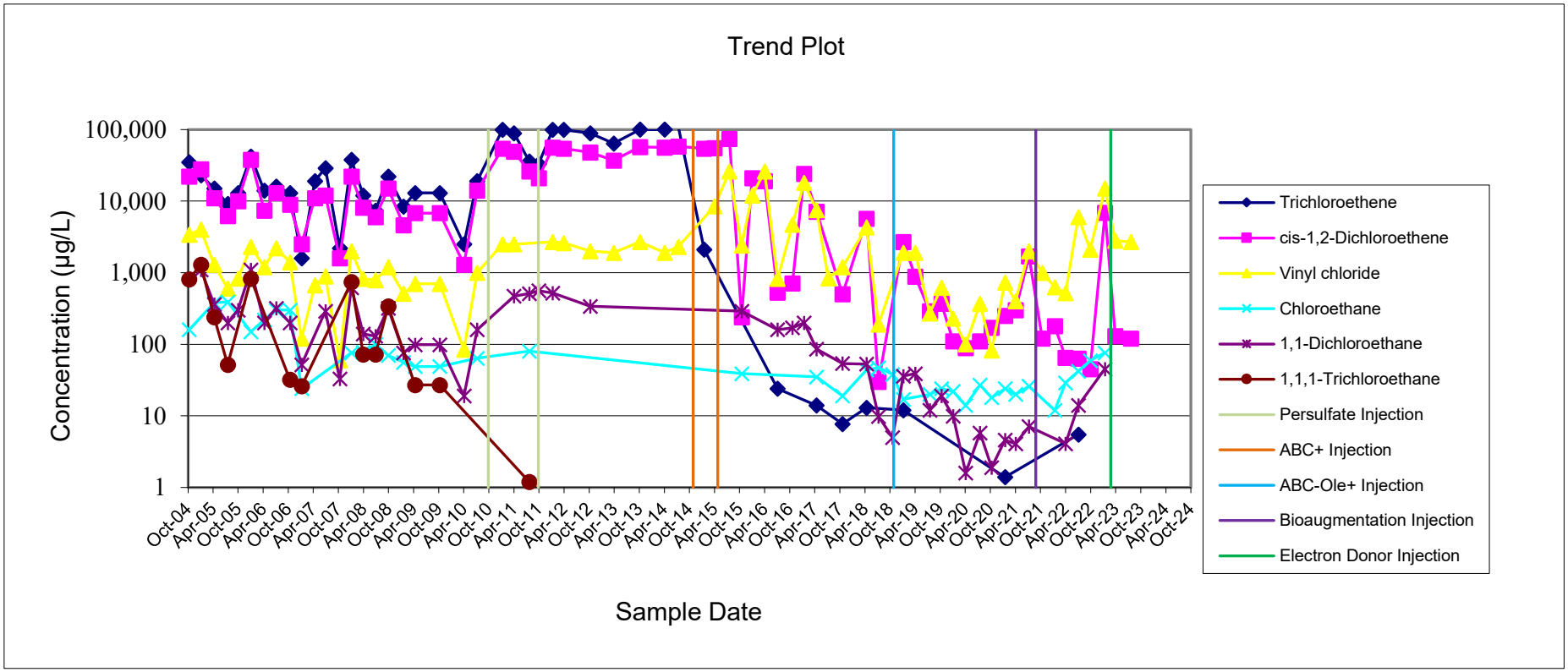
Note well was not accessable during the January 2018 sampling event.

MONITORING WELL MW-8R

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

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

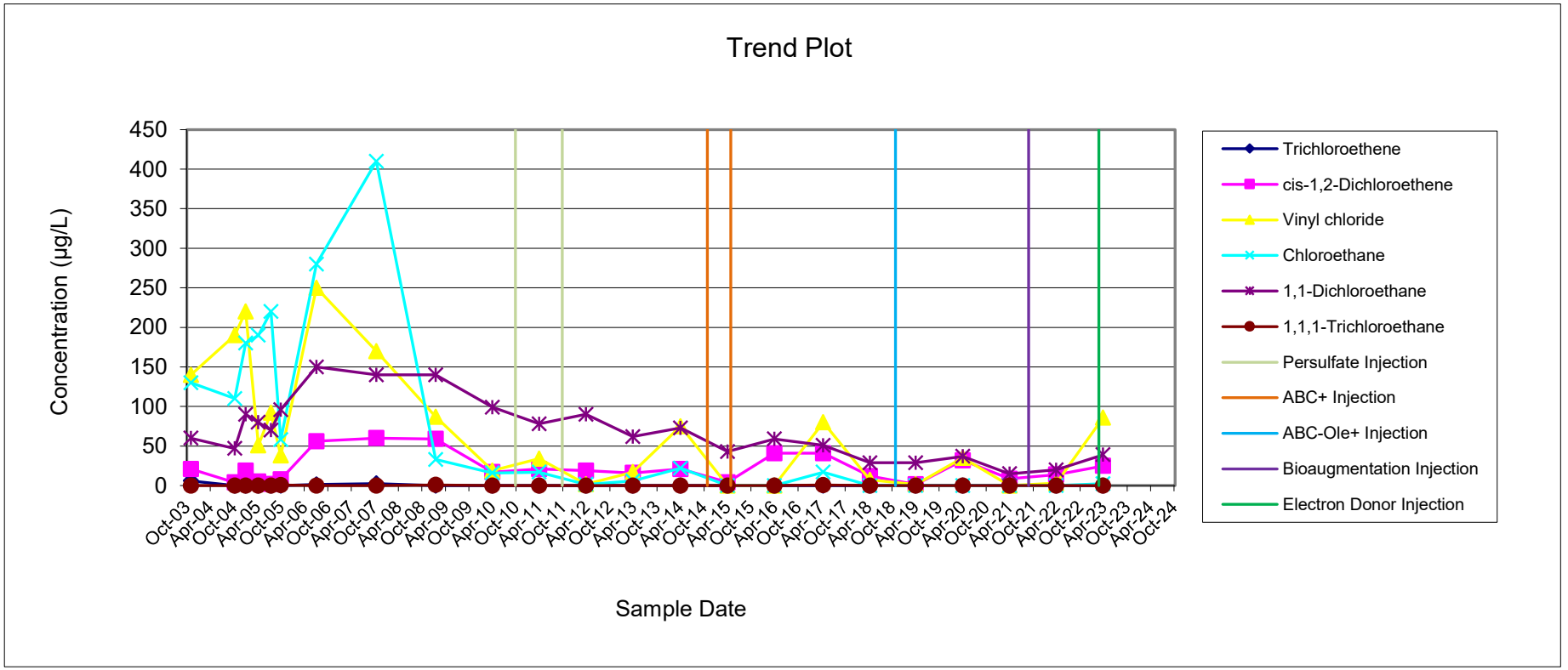
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	6	21	140	130	60	< 10
10/13/2004	< 10	4.0	190	110	47	< 10
1/6/2005	< 10	19	220	180	90	< 10
4/14/2005	< 10	5.0	51	190	80	< 10
7/21/2005	< 5	2.0	92	220	70	< 5
10/5/2005	< 5	8.0	38	58	96	0.68
7/10/2006	1.3	56	250	280	150	< 5
10/17/2007	2.6	60	170	410	140	< 25
1/21/2009	<5	59	87	33	140	0.81
4/7/2010	<5	17	19	16	99	< 5
4/4/2011	<1	21	34	17	78	<1
4/2/2012	<1	19	1.8	1.5	90	<1
4/1/2013	<1	16	17	5.9	62	<1
4/7/2014	<1	21	75	22	73	<1
4/7/2015	<1	4.1	<1	<1	43	<1
4/5/2016	<1	41	<1	<1	59	<1
4/20/2017	<1	41	80	17	51	0.6
4/17/2018	<1	12	7.2	<1	29	<1
4/8/2019	<1	1.6	1.6	<1	29	<1
4/7/2020	<1	32	35	<1	37	<1
4/6/2021	<1	8.7	<1	<1	15	<1
4/4/2022	<1	14	3.2	<1	20	<1
4/3/2023	<1	25	86	2.4	39	<1

MONITORING WELL MW-9

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

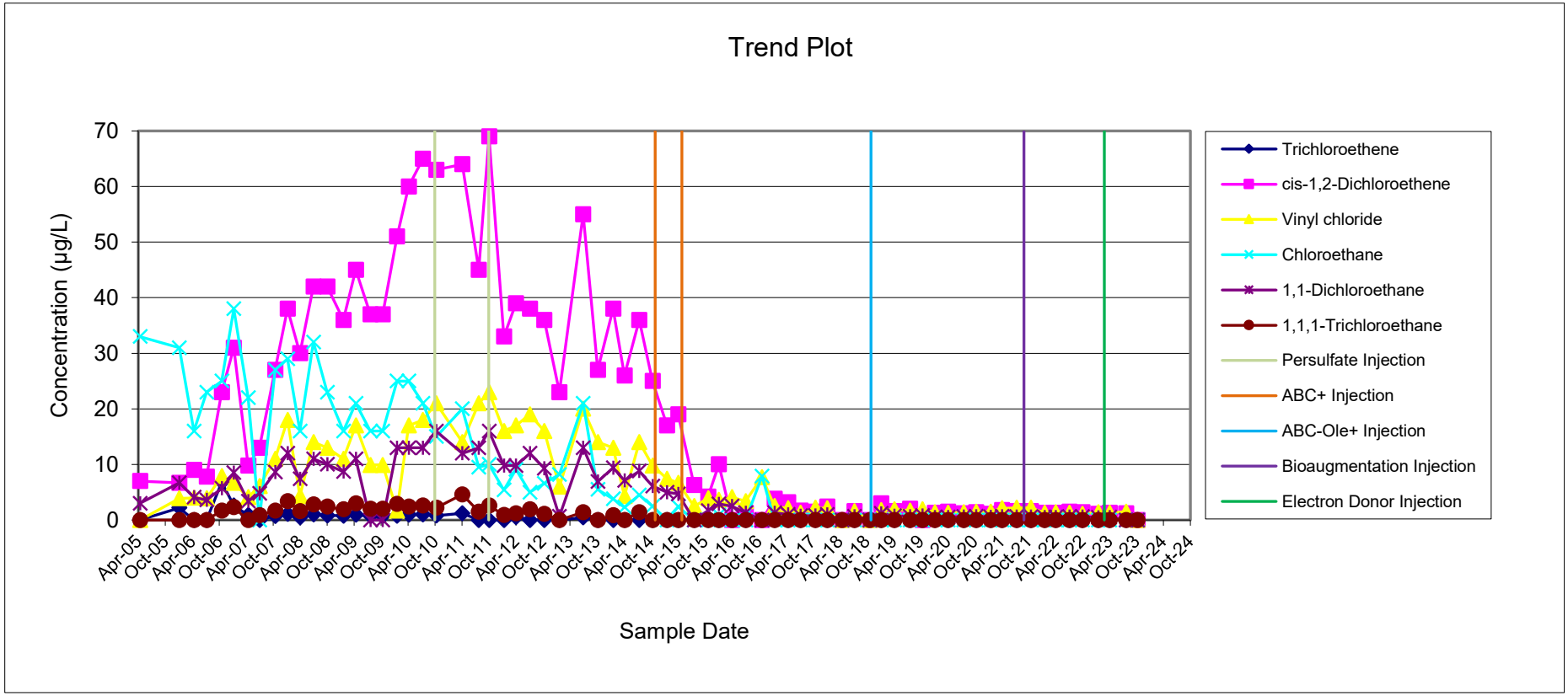
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7.0	< 10	33	3.0	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9.0	4.0	16	4.1	< 20
7/10/2006	< 20	7.8	3.9	23	3.6	< 20
10/19/2006	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	5.0	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
4/4/2023	<1	1.3	1.3	<1	0.52	<1
7/26/2023	<1	1.2	1.5	<1	<1	<1
10/9/2023	<2	<2	<2	<2	<2	<2

MONITORING WELL MW-11

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	< 50	9.0	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	2.0	<1	<1
10/4/2022	<2	<2	18	<2	<2	<2
1/19/2023	<2	<2	9.4	2.0	<2	<2
4/4/2023	<1	10	61	5.3	<1	<1
7/27/2023	<2	8.9	20	6.0	<2	<2
10/10/2023	<2	76	100	1.8	<2	<2

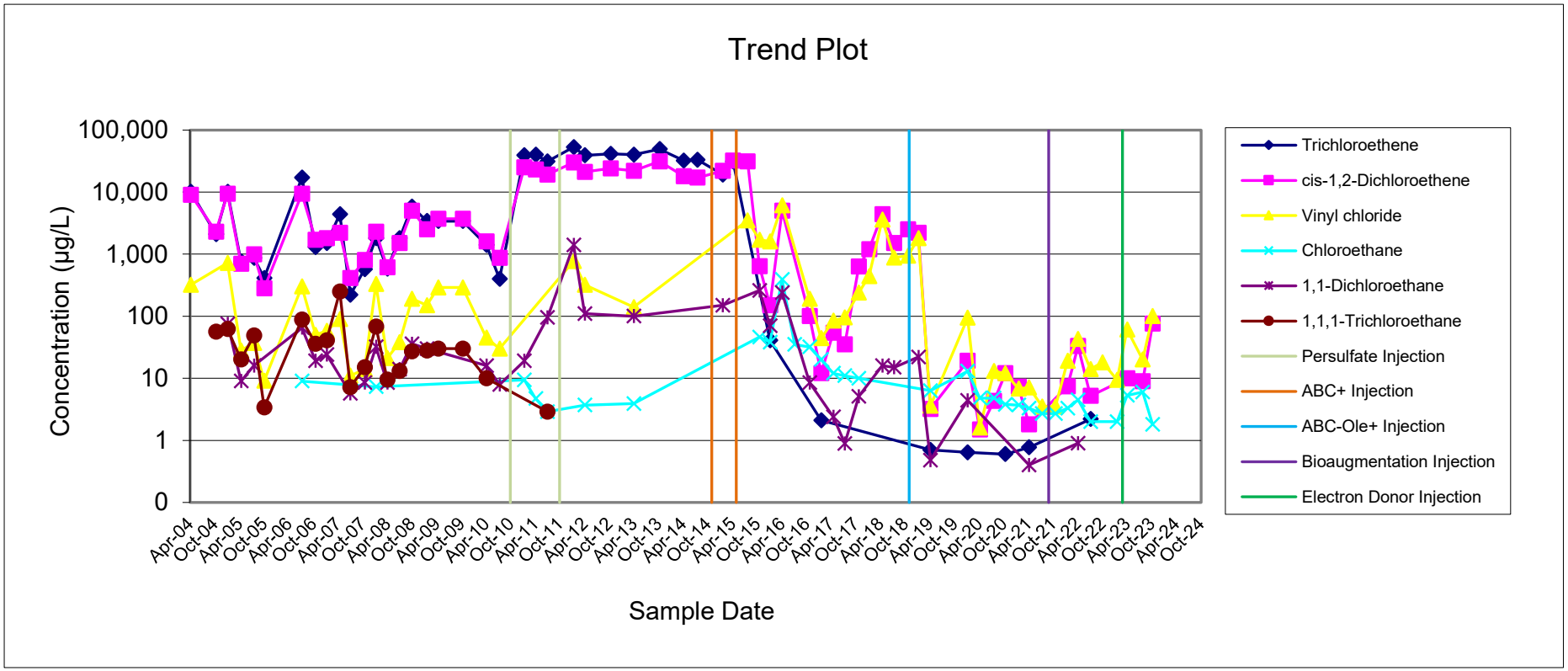
Note well was dry during the July 2019 and October 2019 sampling events.

MONITORING WELL MW-13S

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

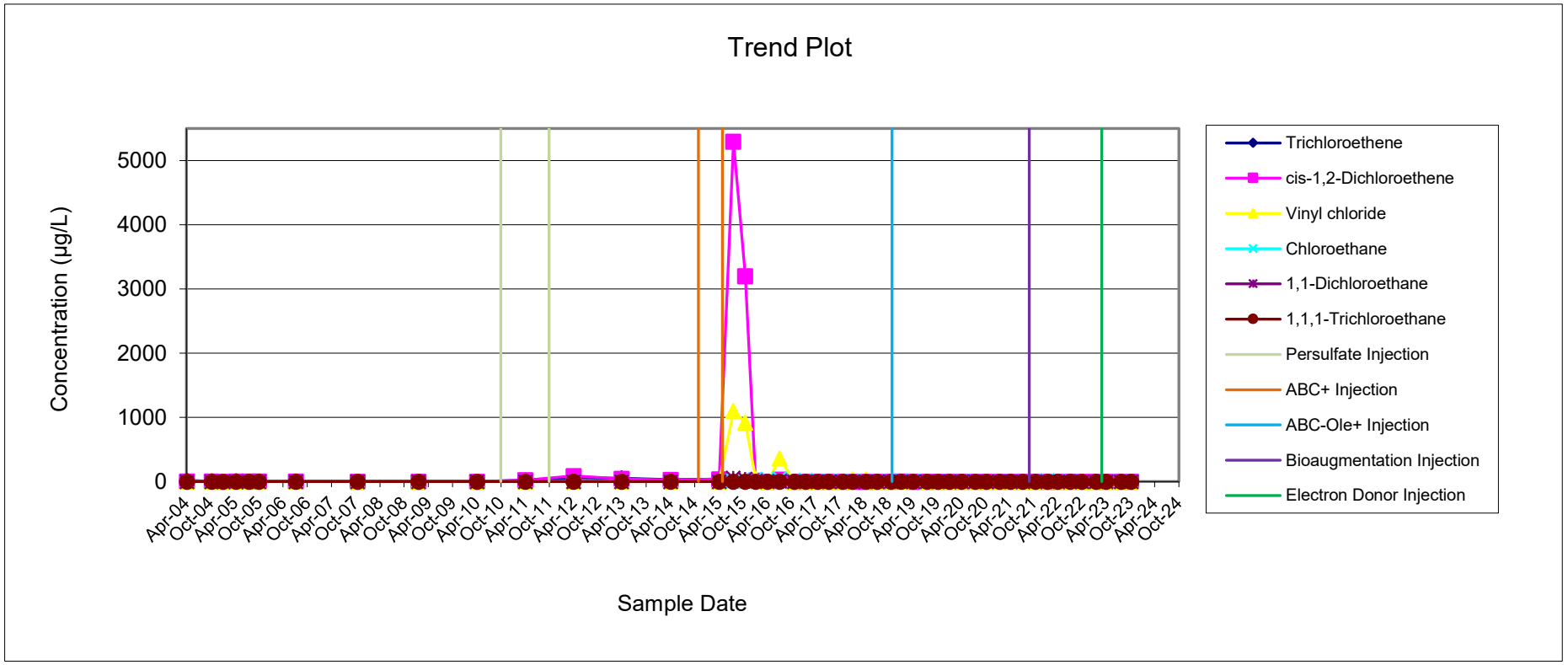
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2.0	<10	<10	<10	<10
10/12/2004	7.0	2.0	<10	<10	<10	<10
1/6/2005	<10	<10	<10	<10	<10	<10
4/15/2005	8.0	4.0	<10	<10	<10	<10
7/20/2005	1.0	2.0	<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
4/4/2023	<1	<1	<1	4.3	<1	<1
7/27/2023	<1	<1	<1	3.6	<1	<1
10/10/2023	<1	<1	<1	2.1	<1	<1

PIEZOMETER MW-13D

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	78	290	530	80	<20
10/12/2004	<10	100	140	640	94	<10
1/6/2005	<10	59	22	82	48	<10
4/15/2005	<10	35	15	180	27	<10
7/20/2005	<5	39	36	76	42	<5
10/5/2005	<5	35	59	160	56	<5
7/10/2006	5.7	17	13	36	20	< 25
10/15/2007	< 5	63	16	5.7	52	1.3
1/21/2009	0.38	36	7.9	0.87	33	0.63
4/8/2010	<5	4	< 5	0.62	5.9	<5
4/5/2011	<1	1.1	<1	<1	1.9	<1
4/2/2012	1.3	30	21	11	27	<1
4/1/2013	<1	<1	<1	<1	<1	<1
4/7/2014	<1	25	19	14	19	<1
4/7/2015	<1	16	14	18	6.8	<1
4/5/2016	<1	9.6	8.9	6.3	4.4	<1
4/18/2017	<1	15	7.8	2.8	8.1	<1
4/10/2019	<1	14	12	2.7	8.9	<1
4/7/2020	<1	19	10	1.8	14	<1
4/7/2021	<1	10	6.0	1.9	13	<1
4/4/2022	<1	18	7.2	<1	14	<1
4/3/2023	<1	17	4.6	<1	15	<1

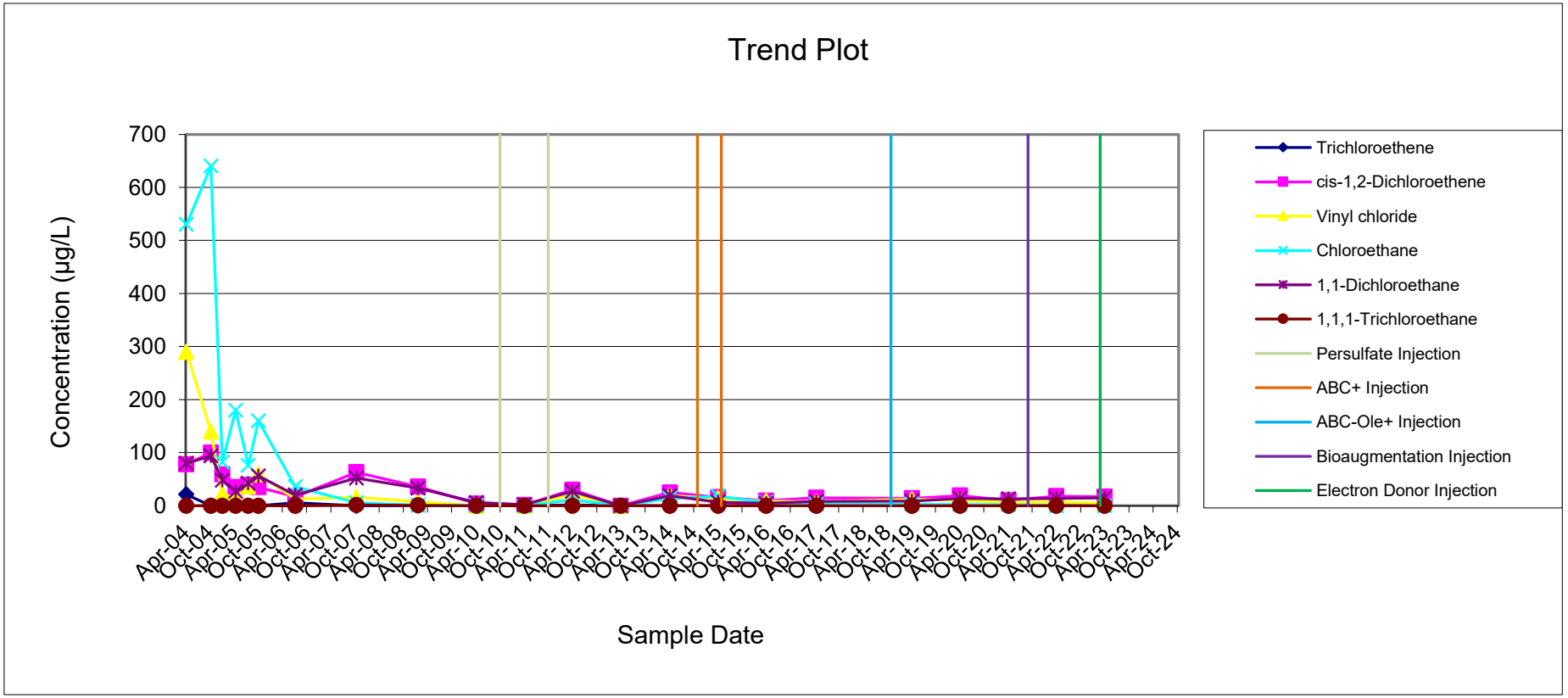
Well was flooded and not sampled in April 2018.

PIEZOMETER MW-14S

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	8.0	<10	4.0	<10	<10
10/12/2004	4.0	4.0	<10	<10	<10	<10
1/6/2005	20	190	45	3.0	8.0	2.0
4/15/2005	10	140	18	6.0	4.0	<10
7/20/2005	26	200	31	4.0	7.0	2.0
10/5/2005	<10	460	42	7.2	9.9	<10
7/10/2006	0.96	7.2	12	0.82	<5	<5
10/15/2007	<5	47	66	1.8	2.2	<5
1/21/2009	<5	2.0	1.4	0.91	1.3	<5
4/8/2010	9.4	99	21	1.5	2.0	<5
4/5/2011	0.97	5.6	2.6	1.5	<1	<1
4/2/2012	0.64	13	9.9	<1	0.44	<1
4/1/2013	0.99	28	19	4.6	21	<1
4/7/2014	<1	28	17	<1	0.82	<1
4/7/2015	<1	<1	<1	<1	<1	<1
4/5/2016	<1	<1	<1	<1	<1	<1
4/18/2017	<1	0.65	<1	<1	<1	<1
4/10/2019	<1	<1	<1	<1	<1	<1
4/7/2020	<1	<1	1.7	<1	<1	<1
4/7/2021	<1	<1	<1	<1	<1	<1
4/4/2022	<1	<1	1.7	<1	<1	<1
4/4/2023	<1	<1	<1	<1	<1	<1

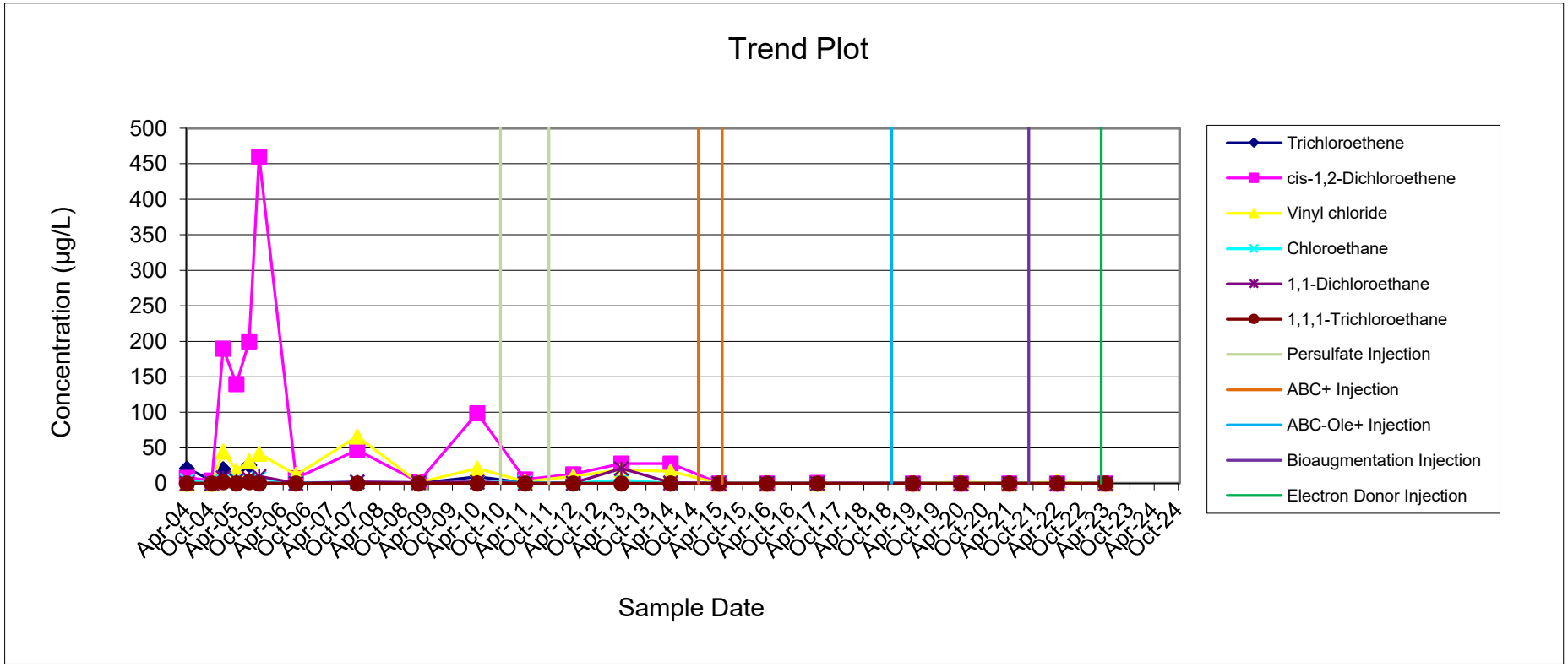
Well was flooded and not sampled in April 2018.

PIEZOMETER MW-14D

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

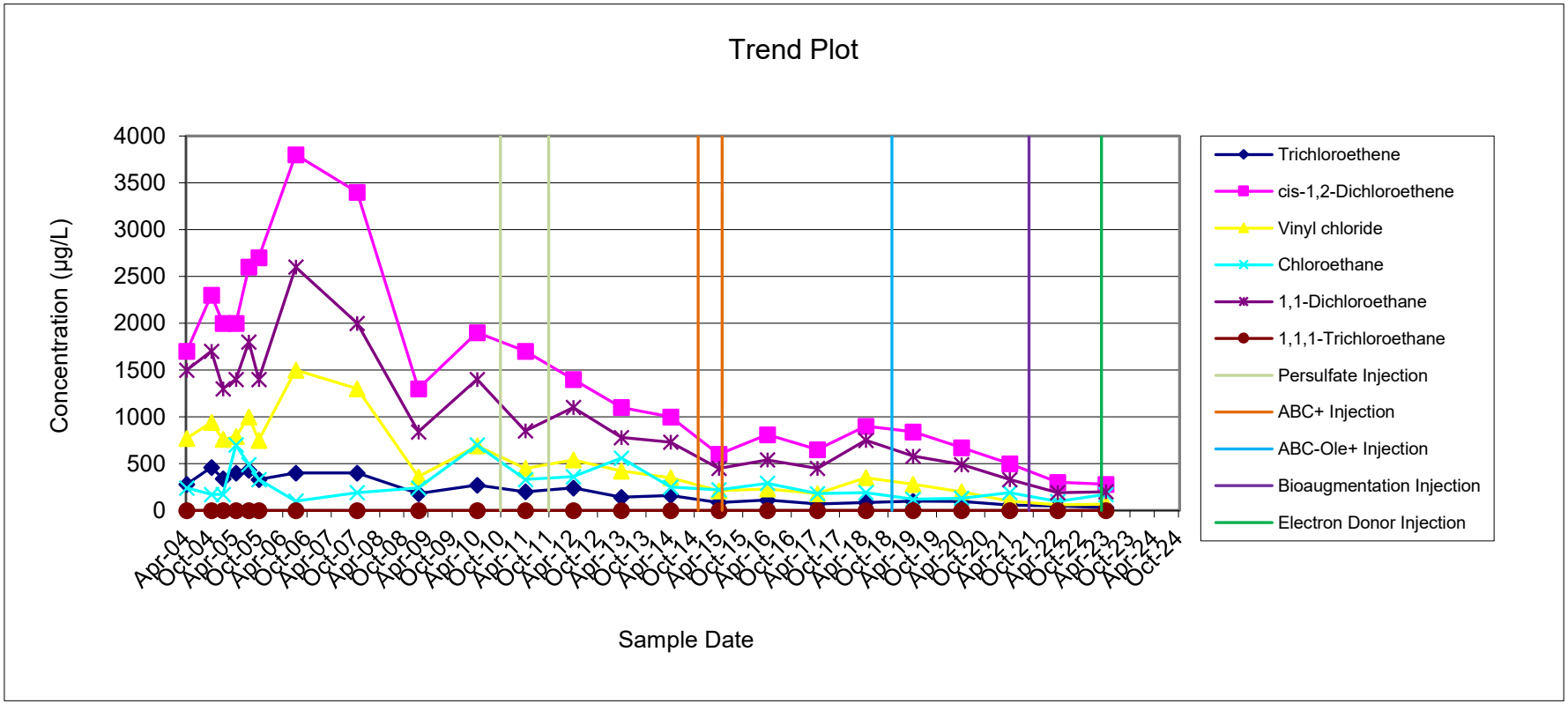
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	280	1,700	770	240	1,500	<250
10/12/2004	460	2,300	940	170	1,700	<250
1/7/2005	340	2,000	760	170	1,300	<250
4/15/2005	400	2,000	790	700	1,400	<200
7/21/2005	430	2,600	1,000	490	1,800	<120
10/5/2005	330	2,700	750	330	1,400	<100
7/10/2006	400	3,800	1,500	100	2,600	<25
10/16/2007	400	3400	1300	190	2000	<200
1/21/2009	180	1300	360	240	840	<5
4/8/2010	270	1900	690	700	1400	<10
4/7/2011	200	1700	450	330	850	<1
4/3/2012	240	1400	540	360	1100	<1
4/1/2013	140	1100	420	560	780	<20
4/7/2014	160	1000	350	250	730	<20
4/6/2015	85	600	210	220	450	<20
4/6/2016	110	810	230	290	540	<20
4/19/2017	70	650	180	180	450	<5
4/18/2018	85	900	350	190	750	<20
4/10/2019	98	840	280	120	580	<20
4/10/2020	95	670	200	130	490	<20
4/8/2021	58	500	100	190	330	<20
4/5/2022	47	300	60	95	190	<20
4/3/2023	31	280	65	170	200	<20

PIEZOMETER MW-15S

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

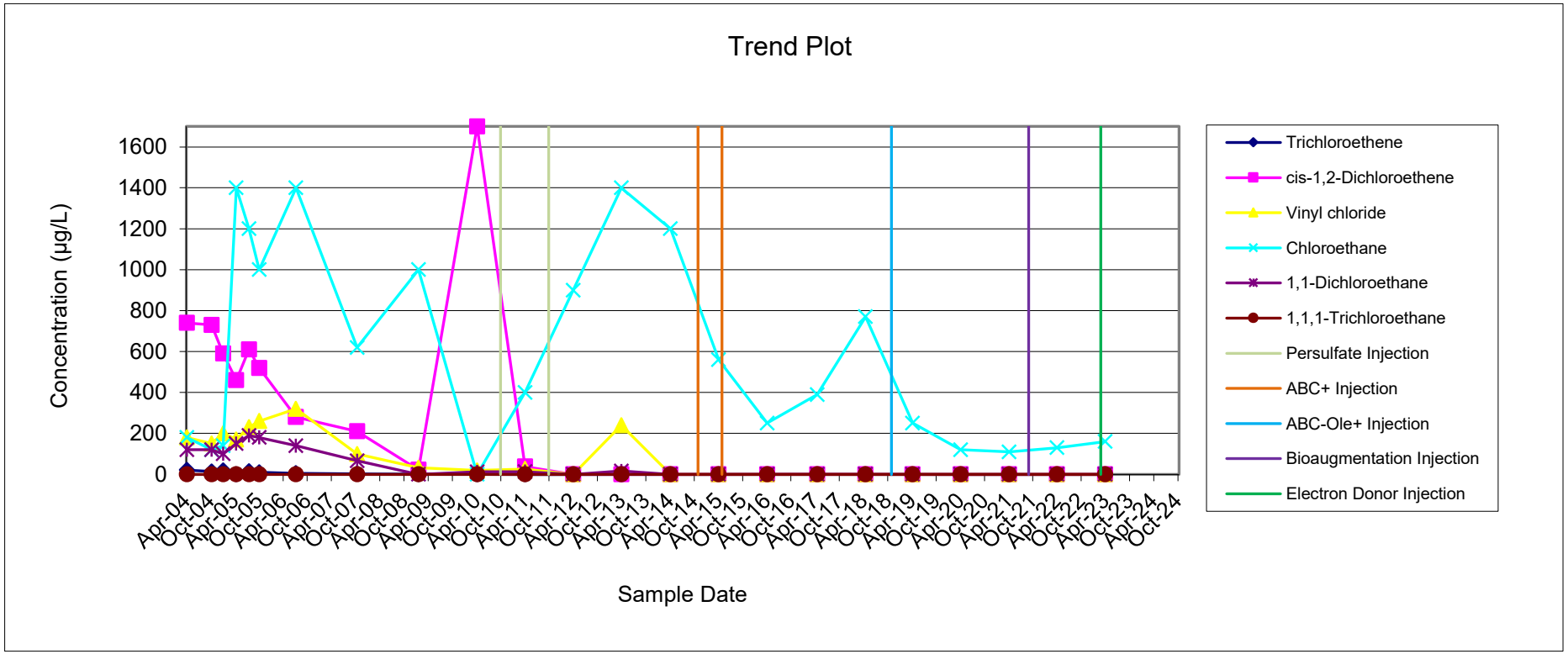
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	740	180	180	120	<10
10/12/2004	14	730	150	120	120	<50
1/7/2005	18	590	200	140	100	<50
4/15/2005	<50	460	170	1,400	150	<50
7/21/2005	15	610	230	1,200	190	<25
10/5/2005	10	520	260	1,000	180	<50
7/10/2006	4.9	280	320	1,400	140	<5
10/16/2007	3.6	210	99	620	66	<5
1/21/2009	<25	22	32	1,000	<25	<25
4/8/2010	<5	1,700	19	<5	12	<5
4/5/2011	<8	38	26	400	13	<8
4/3/2012	<10	<10	<10	900	<10	<10
4/1/2013	<8	<8	240	1,400	16	<8
4/7/2014	<20	<20	<20	1,200	<20	<20
4/6/2015	<20	<20	<20	560	<20	<20
4/6/2016	<5	<5	<5	250	<5	<5
4/19/2017	<1	<1	<1	390	0.35	<1
4/19/2018	<5	<5	<5	770	<5	<5
4/10/2019	<8	<8	<8	250	<8	<8
4/6/2020	<2	<2	<2	120	<2	<2
4/8/2021	<2	<2	<2	110	<2	<2
4/5/2022	<2	<2	<2	130	<2	<2
4/3/2023	<2	<2	<2	160	<2	<2

PIEZOMETER MW-15D

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

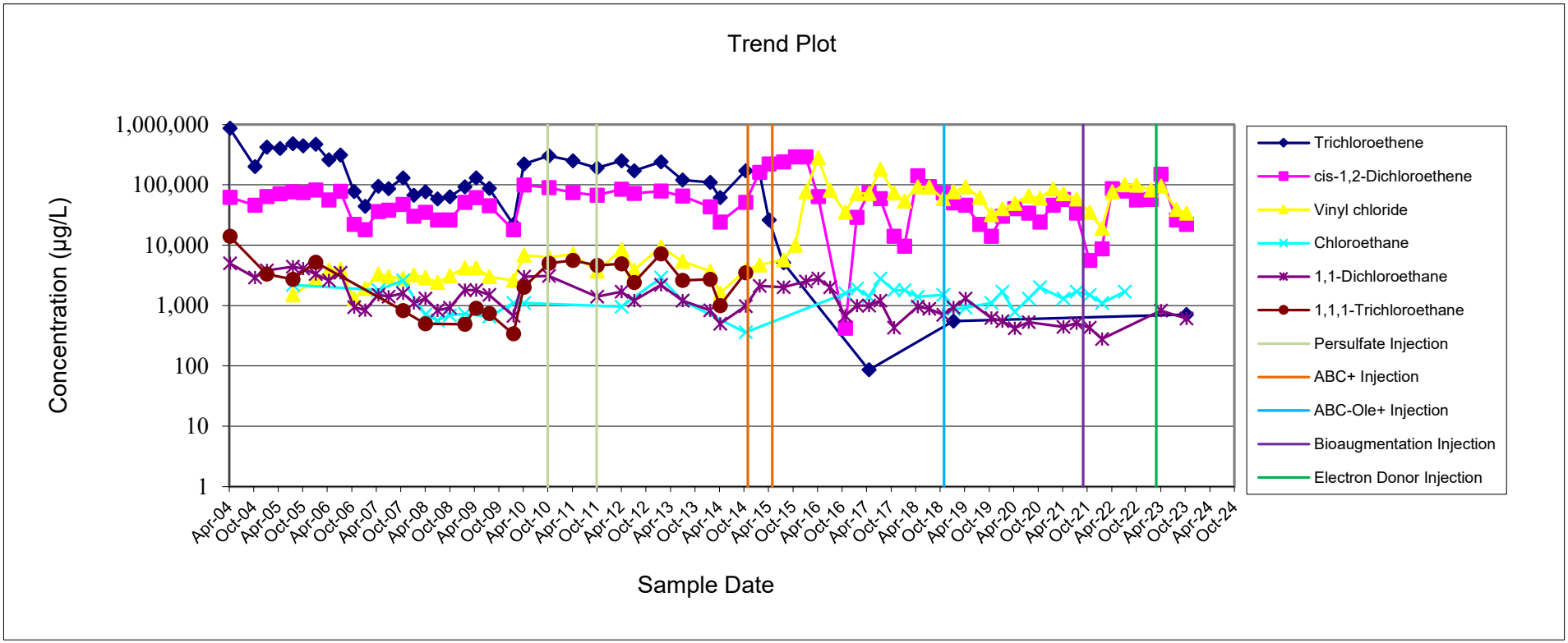
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	<20,000	<20,000	5,000	14,000
10/12/2004	200,000	46,000	<10,000	<10,000	2,900	<10,000
1/7/2005	420,000	64,000	<10,000	<10,000	3,800	3,300
4/15/2005	400,000	71,000	<25,000	<25,000	<25,000	<25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	<25,000	<25,000	4,100	<25,000
1/6/2006	470,000	82,000	2,600	<20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	<20,000	2,600	<20,000
7/10/2006	310,000	78,000	4,000	<20,000	3,500	<20,000
10/19/2006	77,000	22,000	1,300	<5,000	940	<5,000
1/10/2007	44,000	18,000	1,900	<2,500	840	<2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	<5,000
7/3/2007	86,000	38,000	3,000	<5,000	1,400	<5,000
10/18/2007	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
4/4/2023	<2,000	150,000	95,000	<2,000	820	<2,000
7/28/2023	<1,000	26,000	39,000	<1,000	<1,000	<1,000
10/10/2023	710.00	22,000	34,000	<1,000	610.00	<1,000

MONITORING WELL MW-16S

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

	Analytical Results (µg/L)					
Sample Date	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	6.0	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	81	0.91	<1
4/4/2023	<1	4.2	2.4	65	0.60	<1
7/28/2023	<40	<40	<40	<40	<40	<40
10/9/2023	<40	<40	<40	69	<40	<40

PIEZOMETER MW-16D

HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER

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Lancaster, New York