



Environment

Prepared for:
Scott Figgie LLC
Frankford, DE

Prepared by:
AECOM
Buffalo, NY
60538931
May 2018

Periodic Review Report (April 20, 2017 through April 18, 2018)

Former Scott Aviation Facility
Lancaster, New York
NYSDEC Site Code No. 9-15-149





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List of Acronyms

AECOM	AECOM Technical Services, Inc.
AS	air stripper
bgs	below ground surface
BSA	Buffalo Sewer Authority
cis-1,2 DCE	cis-1,2-dichloroethene
CD	compact disc
1,1-DCA	1,1-dichloroethane
DPE	dual-phase extraction
EC/BPDES	Erie County/Buffalo Pollution Discharge Elimination System
ft	feet
gpm	gallons per minute
GWCT	groundwater collection trench
GWTB	groundwater treatment building
HES	Heritage Environmental Services, LLC
lb/hr	pounds per hour
LNAPL	light non-aqueous phase liquid
LRP	liquid ring pump
Matrix	Matrix Environmental Technologies, Inc.
mg/kg	milligram per kilogram
MVS	mechanical volatilization system
µg/m ³	micrograms per cubic meter
µg/L	micrograms per liter
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
PRR	Periodic Review Report
RAER	Remedial Action Engineering Report
RAO	remedial action objective
RDWP	Remedial Design Work Plan
RI/FS	remedial investigation/feasibility study
ROD	Record of Decision
SICR	Site Investigation Completion Report

SVE	soil vapor extraction
1,1,1-TCA	1,1,1-trichloroethane
TCE	trichloroethene
TEH	total extractable hydrocarbons
TSS	total suspended solids
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VC	vinyl chloride
VOC	volatile organic compound

Certification

I hereby certify, as a Professional Engineer licensed in the State of New York, that this "Periodic Review Report (April 20, 2017 through April 18, 2018)", prepared by AECOM Technical Services, Inc. for Scott Figgie LLC, was completed in conformance with accepted standards of practice for a project of this scope and nature, as well as the requirements of State of New York, Department of Environmental Conservation (NYSDEC), Order on Consent, Index No. B9-0377095-05, for the former Scott Aviation property (formerly Figgie International), NYSDEC Site Code No. 9-15-149.

Warning: It is a violation of the New York State Education Law for any person, unless acting under the direction of a licensed professional engineer, to alter an item in these plans or report in any way. If alterations are required, they shall be made in accordance with Article 145, Subsection 7209 of the New York State Education Law.

PE Stamp



Signature: _____

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AECOM Technical Services, Inc.

Date: 05-31-2018

1.0 Introduction

On behalf of Scott Figgie LLC (successor to Scott Technologies, Inc., which was a successor to Figgie International), hereinafter “Scott”, and pursuant to the requirements of New York State Department of Environmental Conservation (NYSDEC), Order on Consent, Index No. B9-0377095-05, AECOM Technical Services, Inc. (AECOM) prepared this Periodic Review Report (PRR) to summarize the operation and maintenance (O&M) and groundwater monitoring activities for the combined dual-phase extraction (DPE) remediation system at the former Scott Aviation facility (the “Site”), NYSDEC Site Code No. 915149, located at 225 Erie Street, Village of Lancaster, County of Erie, State of New York (**Figure 1**). A selected remedy for soil and groundwater was described in the Record of Decision (ROD), Scott Aviation Site, Village of Lancaster, Erie County, Site Number 9-15-149, which was signed into Declaration on November 7, 1994 (NYSDEC, November 1994). The reporting period discussed herein encompasses the period between April 20, 2017 and April 18, 2018.

1.1 Report Organization

The purpose of this PRR is to provide a summary of the current remediation system configuration, describe significant O&M and groundwater monitoring activities, discuss overall remediation system performance during the reporting period, and provide recommendations for future combined DPE remediation system operation.

This PRR was developed to adhere to NYSDEC site investigation and remediation requirements (NYSDEC DER-10, May 2010). More specifically, this report provides the following information:

- Report organization details, a brief summary of Site history, previous Site investigations, remediation activities, and remedial action objectives (RAOs) for the Site (Section 1.0);
- A description of the current combined DPE remediation system configuration and detailed summary of O&M activities performed during the reporting period (Section 2.0);
- A groundwater monitoring program summary including a description of groundwater monitoring activities completed during the reporting period, a detailed review of the April 2018 comprehensive groundwater monitoring event, and a comparison of historical comprehensive groundwater analytical results to the April 2018 comprehensive groundwater analytical results (Section 3.0);
- A summary of groundwater remediation system monitoring and remediation progress (Section 4.0);
- Conclusions, a description of upcoming Site-related activities, and a proposed monitoring and compliance sampling schedule (Section 5.0);
- Certification of the Institutional Controls and Engineering Controls (Section 6.0); and,
- References used in the preparation of this report (Section 7.0).

1.2 Site Background

The following subsections present a brief summary of Site history and previous investigation and remediation activities.

1.2.1 Site Geology/Hydrogeology

The native soils underlying the Site generally consist of interbedded silts and clays with discontinuous sporadic fine sand lenses (shallow overburden). A thin coarse-grained layer is located above the bedrock (deep overburden). The average thickness of the overburden is approximately 21 feet (ft); ranging from 20 ft in the south to 26 ft in the north.

Groundwater is first encountered at the Site in the shallow overburden and then again just above the bedrock in the deep overburden. The natural flow of groundwater at the Site in both the shallow and deep overburden is to the northwest. Depth to groundwater across the Site in both the shallow and deep overburden is measured quarterly and is discussed in detail in Section 3.2 of this report.

1.2.2 Site Remedial Investigation/Feasibility Study

A 3,000-gallon underground storage tank (UST) was previously located at the Site, immediately adjacent to the southwestern corner of Scott Aviation Plant 2 (**Figure 2**). The UST was used to store waste cutting oil and spent chlorinated solvents generated during manufacturing operations conducted in Plant 2. Activities at Plant 2 have historically included the machining of piece parts from metal feedstock and the fabrication of cores to fit into devices that provide emergency oxygen upon demand in commercial aircraft (Earth Tech, April 2004).

During April 1991, the former Site owner, Figgie International, removed the aforementioned UST. Based on contamination discovered during the removal of the UST, Figgie International entered into a remedial investigation/feasibility study (RI/FS) Order on Consent with the NYSDEC on July 9, 1992, and an RI was initiated by Versar, Inc. on behalf of Figgie International in the immediate area surrounding the former UST location. The final RI report, approved by the NYSDEC on December 13, 1993, indicated the presence of volatile organic compounds (VOCs) in excess of NYSDEC soil and groundwater guidance values to the west of Plant 2. A subsequent FS report was prepared by Figgie International and approved by the NYSDEC on August 29, 1994 (per O'Brien & Gere, July 1996).

1.2.3 Record of Decision

Based on the results of the RI/FS, the NYSDEC prepared a ROD, dated November 7, 1994, which required remedial actions to be initiated to address contaminated soils and groundwater at the Site. The ROD specified that soil remediation would be accomplished by excavating all soils with VOCs above Site-specific RAOs and subsequently treating the soil on-Site using an ex-situ soil vapor extraction (SVE) system. The established RAOs for the Site are presented in **Table 1** and are discussed further in Section 1.3 of this report. The ROD also specified that groundwater remediation would be performed by installing a groundwater collection trench (GWCT) west of Plant 2 to induce hydraulic capture of groundwater impacted with VOCs and by constructing an associated groundwater treatment system. A ROD Amendment approving the use of a mechanical volatilization system (MVS) to treat excavated soils in lieu of the proposed ex-situ SVE system was issued by the NYSDEC on April 19, 1995 (O'Brien & Gere, July 1996).

1.2.4 Previous Remediation Activities

This section summarizes previous soil and groundwater remedial activities performed at the Site.

1.2.4.1 Source Area Soil Excavation and Treatment

Following approval of the Remedial Design by the NYSDEC in September 1995, soil remediation actions were initiated. Soils to the west of Plant 2 in the vicinity of the former UST were excavated

and treated on-Site using an MVS (see **Figure 2** for location). The MVS process consisted of a screening plant and hammermill shredder that mechanically pulverized and aerated the excavated soil that had previously been amended with pulverized quick lime. Volatilization of the VOCs from the soil occurred as a result of the sieving and pulverizing actions and also because of the heat generated by the reaction of lime with moisture in the soil. Approximately 5,600 cubic yards of soil were excavated from depths ranging between 2 ft and 21 ft bgs (bedrock contact) and treated using the MVS. Based on analytical results for the treated soil (each individual VOC <1 milligram per kilogram (mg/kg) and total VOCs <10 mg/kg), the NYSDEC approved backfilling the excavation with the originally excavated soil processed on-Site with the MVS on December 11, 1995. Backfilling of the excavation was completed on December 19, 1995.

1.2.4.2 Groundwater Collection Trench

In accordance with the ROD, a 200-foot long GWCT was constructed approximately 90 ft west of Plant 2 during February 1996 (see **Figure 2** for location). The purpose of the trench was to maintain hydraulic control of VOC-impacted groundwater. The bottom of the trench was excavated down to bedrock (approximately 25 ft bgs). The bottom five feet of the trench consists of rounded pea gravel and the top 20 feet of the trench was backfilled with remediated soils. A 6-inch diameter, slotted high density polyethylene pipe located at the bottom of the trench conveys water to a wet well located at the north end of the trench. The water is transferred from the wet well using a submersible pump through a 1-inch diameter schedule 80 polyvinyl chloride pipe to a treatment system located in the Groundwater Treatment Building (GWTB) located immediately west of Plant 2.

The groundwater treatment system consists of a low-profile shallow tray air stripper (AS) unit. Treated water from the AS unit is discharged to the Buffalo Sewer Authority (BSA) under an Erie County/ Buffalo Pollutant Discharge Elimination System (EC/BPDES) permit via a 2-inch diameter force main that discharges to a BSA sanitary sewer located south of the GWTB at Erie Street (O'Brien & Gere, July 1996). Start-up of the groundwater treatment system occurred on March 1, 1996. **Figure 2** shows the location of the GWCT and GWTB.

1.2.5 Additional Investigation Activities

Annual groundwater monitoring completed in April 1998 indicated an increasing trend in VOC concentrations in MW-4, located to the west of the GWCT at the western property boundary of the Site. Additionally, light non-aqueous phase liquid (LNAPL) was observed at MW-4 on the water level probe during a quarterly monitoring event conducted in November 1998. In April 1999, four new monitoring wells (designated MW-7, MW-8, MW-9, and MW-10) were installed to evaluate the extent and potential source of VOCs and LNAPL observed in MW-4. Based on repeated detections of VOCs and LNAPL in the groundwater to the west of the GWCT, a comprehensive site investigation was conducted in February 2003 to further assess the vertical and horizontal extent of VOCs and LNAPL.

During the 2003 investigation, LNAPL was observed in MW-8 only. A total of 21 direct push technology borings were advanced to the east and west of the GWCT to further assess the extent of impacted soils west of Plant 2. Results were summarized in the June 2003 Site Investigation Completion Report (SICR), and the data indicated the continued presence of chlorinated VOCs above the RAOs in the saturated soil and groundwater, primarily to the west of the GWCT (Earth Tech, June 2003).

1.2.6 Remedial Alternatives Analysis

Based upon the results of the 2003 investigation, a remedial alternatives analysis was completed and results were included in the SICR. DPE was recommended to be implemented to supplement the existing remediation system and to further remediate VOCs in soil and groundwater at the Site (Earth Tech, June 2003).

At the request of the NYSDEC, a Remedial Design Work Plan (RDWP) (Earth Tech, November 2003) was prepared that provided a detailed description of the proposed DPE system recommended in the SICR. A discussion of DPE system construction, startup, and O&M activities during approximately the first year of operation (May 14, 2004 through July 19, 2005) is provided in the first Remedial Action Engineering Report (RAER; May 14, 2004 through July 19, 2005; Earth Tech, November 2005).

1.2.7 Injection Pilot Test

Beginning on July 28, 2010 and concluding on October 29, 2010, O&M, Inc., on behalf of Scott and with NYSDEC approval, initiated a chemical oxidation pilot test. The test consisted of injection of sodium persulfate with chelated iron activation at 10 injection points located within the area of the >100 micrograms per liter ($\mu\text{g/L}$) trichloroethene (TCE) plume as defined in 2010. A second series of injections was performed between June and October 2011; refer to **Figure 3** for injection locations. A review of groundwater data at the source wells following the pilot test indicated a spike in TCE concentrations, possibly due to mobilization of product from the vadose zone.

On November 6, 2014, AECOM submitted an Injection Pilot Test Work Plan to NYSDEC outlining a pilot test injection program to be performed with the injectate Anaerobic BioChem and zero valent iron (ABC+[®]). Following NYSDEC approval, the pilot test was performed in November 2014 in a 1,200 square foot area centered between source wells MW-4, MW-8R, and MW-16S; refer to **Figure 3** for injection locations. Following the November 2014 injection of ABC+[®], two rounds of groundwater samples were collected and analyzed for VOCs. The groundwater VOC data collected in January 2015 and April 2015 showed significant decreases in TCE concentrations in the area of the injections, with corresponding increases in cis-1,2-dichloroethene (cis-1,2-DCE), chloroethane, and vinyl chloride (VC).

On April 28, 2015, AECOM submitted an addendum to the Injection Pilot Test Work Plan to NYSDEC outlining a second phase of injections to be performed with the injectate ABC+[®]. Following NYSDEC approval, the injection program was performed between April and May 2015 in an approximate 3,600 square foot area centered between monitoring wells MW-4, MW-8R, MW-13S/D, and MW-16S/D, and DPE wells DPE-3, DPE-4, DPE-5, DPE-7, and DPE-8; refer to **Figure 3** for injection locations. A total of 21 injection points were completed with approximately 410 gallons of ABC+[®] injected at each location. Note that this area was expanded vertically and horizontally from the first phase of injections as well as overlapping (offset) the first phase of injections. Per the table in Section 3.4 below, TCE concentrations show a decreasing trend following these injections. In an effort to monitor the effectiveness of the previous injections, several monitoring wells have been added to the quarterly sampling program; refer to Section 5.3 below for additional details.

1.3 Remedial Action Objectives

Cleanup criteria for Site soil and groundwater are based on the RAOs established in the ROD (NYSDEC, November 1994). **Table 1** presents the Site-specific cleanup criteria for the contaminants of concern. The RAOs for the combined soil and groundwater remediation system include:

1. Maintain hydraulic control of shallow groundwater and eliminate potential off-Site migration of VOCs along the western property boundary.
2. Lower the groundwater table within the impacted source area to expose the aquifer matrix and subsequently extract soil vapors containing VOCs using enhanced vacuum extraction. By lowering the water table surface, the DPE system induces groundwater flow toward the system extraction wells, thereby allowing the applied vacuum to more effectively remove VOCs in the exposed aquifer matrix.
3. Reduce the mass of VOCs in the subsurface and remediate Site soil and groundwater to meet RAOs.
4. Obtain No Further Action status for the Site.

2.0 Current Remediation System Configuration and Operation and Maintenance Summary

This section provides a description of the current remediation system configuration and a summary of combined DPE remediation system O&M activities performed during the reporting period (April 20, 2017 through April 18, 2018).

2.1 Current Remediation System Description and Configuration

As described in Section 1.2.4.2 of this report, the initial groundwater remediation system installed at the Site consisted of a 200-foot long GWCT and an associated groundwater treatment system located to the west of Plant 2. The GWCT remediation system was combined to operate with a new DPE remediation system which was installed at the Site between February and May 2004. The combined remediation systems, known collectively as the combined DPE remediation system, began operation on May 14, 2004.

Figure 2 depicts the combined DPE remediation system including DPE system recovery wells, monitoring wells and nested piezometers, DPE system piping locations, the DPE system trailer, and the pre-existing GWCT and GWTB. The DPE system consists of eight recovery wells. **Figure 4** presents a typical DPE recovery well construction diagram. Three additional monitoring wells (MW-8R, MW-11 and MW-12) and four pairs of nested piezometers (MW-13S/D through MW-16S/D) were also installed as part of DPE system construction activities and monitoring activities completed in 2004 and 2005. A typical nested piezometer construction diagram is shown in **Figure 5**. Monitoring well, nested piezometer, injection well and DPE system recovery well construction details are provided in **Table 2**. Section 2.0 of the first RAER provides a detailed summary of recovery well and monitoring well installation, subsequent DPE system installation, and DPE system equipment specifics (Earth Tech, November 2005). **Figure 6** presents the process and instrumentation diagram for the combined DPE remediation system.

2.2 Combined DPE Remediation System Operation Summary

The DPE system was taken offline following the second quarter 2014 sampling event to accommodate both repairs to the Liquid Ring Pump (LRP) and an injection pilot test (refer to Section 1.2.7). The GWCT, however, remained in operation. In August 2016, the DPE system was put back on line. During the current reporting period from April 20, 2017 through April 18, 2018, the total volume of groundwater treated and discharged to the sanitary sewer via the AS unit was approximately 75,802 gallons, at an average flow rate of 0.15 gallons per minute (gpm). The treated groundwater was discharged to the BSA via the local sanitary sewer system under permit No. 15-10-E4054.

2.3 Routine DPE System Maintenance and Troubleshooting

The following subsections describe routine remedial system maintenance and troubleshooting as well as associated waste disposal that occurred during the current reporting period.

2.3.1 Routine System Maintenance

During routine weekly Site visits, AECOM personnel recorded system operating parameters, and inspected and cleaned the various system components and piping as needed. Minor system repairs were also made as necessary throughout the reporting period. The O&M data collected during the Site visits was recorded using the O&M checklist presented in **Appendix A**. Data collected on these checklists are used to track the performance of the system.

2.3.2 System Troubleshooting

Sporadic system shutdowns and delays that required troubleshooting and maintenance occurred during the current reporting period. These activities are summarized below. (Note: This information is on the basis of a Scott Figgie LLC fiscal year, which begins on October 1st.)

Third Quarter 2017 (following April 2017 sampling event through end of July 2017 sampling event) combined DPE remedial system O&M:

- AECOM continued routine GWCT and DPE remediation system O&M and optimization throughout the quarter.
- Based on a system operational period from April 20, 2017 (second quarter groundwater sampling event) to July 13, 2017, the total combined DPE system runtime was approximately 75 percent. During this operational period, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 17,974 gallons, at an average flow rate of 0.15 gpm.
- On May 1, 2017, AECOM's subcontractor Matrix Environmental Technical Services, Inc. (Matrix) replaced the DPE drop tubes and rebuilt the DPE well headers.
- AECOM performed the third quarter 2017 NYSDEC groundwater sampling activity during the week of July 10, 2017.

Fourth Quarter 2017 (following July 2017 sampling event through end of October 2017 sampling event) combined DPE remedial system O&M:

- AECOM continued routine GWCT and DPE remediation system O&M and optimization throughout the quarter.
- Based on a system operational period from July 13, 2017 (third quarter groundwater sampling event) to October 24, 2017, the total combined DPE system runtime was just under 100 percent (the system was down for six hours during the replacement of the remediation building sump pump). During this operational period, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 19,093 gallons, at an average flow rate of 0.13 gpm.
- On July 25, 2017, AECOM completed the 180-day hazardous waste transport and disposal activities with AECOM subcontractor Heritage Environmental Services, LLC (HES). Approximately 425 pounds of O&M solids (F002) were transported off site for incineration.

- On August 14, 2017, AECOM noted the DPE system was not operating as a result of a malfunction of the remediation building sump pump; Matrix visited the site on the same day to replace the pump and restart the system.
- AECOM performed the fourth quarter 2017 NYSDEC groundwater sampling activity during the week of October 16, 2017.

First Quarter 2018 (following October 2017 sampling event through end of January 2018 sampling event) combined DPE remedial system O&M:

- AECOM continued routine GWCT and DPE remediation system O&M and optimization throughout the quarter.
- Based on a system operational period from October 24, 2017 (fourth quarter groundwater sampling event) to January 11, 2018, the total combined DPE system runtime was approximately 85 percent (note the system was down for two days to service the LRP). During this operational period, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 17,985 gallons, at an average flow rate of 0.15 gpm.
- On December 19, 2017, AECOM completed the 180-day hazardous waste transport and disposal activities with AECOM subcontractor HES. Approximately 95 pounds of O&M solids (F002) were transported off site for incineration.
- AECOM and subcontractor Matrix serviced the LRP on December 22, 2017; i.e., the oil and filter were changed.
- AECOM performed the first quarter 2018 NYSDEC groundwater sampling activity during the week of January 8, 2018.

Second Quarter 2018 (following January 2018 sampling event through end of April 2018 sampling event) combined DPE remedial system O&M:

- AECOM continued routine GWCT and DPE remediation system O&M and optimization throughout the quarter. The GWCT system ran continuously throughout the quarter.
- Based on a system operational period from January 11, 2018 (first quarter groundwater sampling event) to April 18, 2018, the total combined DPE system runtime was approximately 98 percent. During this operational period, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 20,750 gallons, at an average flow rate of 0.15 gpm.
- AECOM performed quarterly remediation system O&M activity and DPE well and conveyance piping abatement with subcontractor Matrix.
- AECOM performed the second quarter 2018 NYSDEC groundwater sampling activity during the week of April 16, 2018.

2.3.3 Waste Disposal

On July 25, 2017, HES transported and disposed one 55-gallon drum (425 pounds) containing sediment and miscellaneous debris. This hazardous material (F002 waste code) was generated during O&M activities conducted at the Site between January 2017 and July 2017.

On December 19, 2017, HES transported and disposed one 55-gallon drum (95 pounds) containing sediment and miscellaneous debris. This hazardous material (F002 waste code) was generated during O&M activities conducted at the Site between July 2017 and December 2017.

AECOM personnel supervised the loading of the drums at the Site prior to transportation to the Heritage Thermal Services, Inc. facility located in East Liverpool, Ohio.

The next hazardous waste pickup (for waste generated between December 2017 and July 2018) will be scheduled with HES for July 2018.

On October 25, 2017, AECOM completed and submitted the annual waste stream recertification. There were no changes in the process generating the waste stream, affecting the physical or chemical composition of the waste stream, or changes in hazardous codes or Department of Transportation descriptions.

3.0 Groundwater Monitoring Summary

The following sections provide a detailed description of groundwater monitoring activities completed during the current reporting period (April 20, 2017 through April 18, 2018), a review of the most recent comprehensive groundwater monitoring event analytical results, and a comparison of those results to historical comprehensive groundwater monitoring event analytical data.

3.1 Description of Groundwater Monitoring Activities for the Reporting Period

The groundwater monitoring program associated with the original GWCT system was combined with the monitoring program developed for the new DPE system in May 2004. Monitoring wells sampled during this reporting period were in general accordance with Table 11 of the NYSDEC-approved twelfth PRR (AECOM, March 2017). A total of four groundwater monitoring events were performed during the current reporting period (**Table 3**). These included three targeted quarterly monitoring events (July 2017, October 2017, and January 2018) and one comprehensive monitoring event (April 2018).

In July 2017, October 2017, and January 2018, quarterly sampling was performed which targeted six perimeter monitoring wells (MW-2, MW-3, MW-6, MW-10, MW-11 and MW-12) and four wells located within the TCE plume (MW-4, MW-8R, MW-13S/D and MW-16S/D). In addition, active DPE wells (DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-7, and DPE-8) and the GWCT manhole were sampled in July 2017, October 2017, and January 2018. Note: due to access issues (snow bank was covering wells), MW-8R, MW-12 and DPE-3 were not sampled during the January 2018 event.

In April 2018, a comprehensive groundwater monitoring event included most Site monitoring wells and nested piezometer pairs (15 total wells; MW-6 was destroyed by a snow plow and MW-14S was flooded), as well as DPE wells DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-7, DPE-8, and the GWCT manhole. Discussions of the results and the associated laboratory reports for the July 2017, October 2017, and January 2018 groundwater sampling events have previously been provided to the NYSDEC in quarterly monitoring summary reports (AECOM, August 2017; AECOM, November 2017; and AECOM, February 2018). A discussion of the groundwater analytical results for the comprehensive April 2018 sampling event is presented in Sections 3.2 and 3.3 of this report.

3.2 April 2018 Groundwater Sampling, Elevations and Groundwater Flow Direction

AECOM personnel collected groundwater samples for the latest comprehensive monitoring event between April 13 and 18, 2018, in accordance with the procedures outlined in the NYSDEC-approved RDWP. The monitoring wells sampled in April 2018 are shown on **Table 3**. Field forms generated during the April 2018 sampling event are provided in **Appendix B**. Groundwater samples were analyzed for VOCs by TestAmerica, Inc. located in Amherst, New York, using United States Environmental Protection Agency (USEPA) analytical procedures manual SW-846, Method 8260C.

A complete round of groundwater levels was measured for all Site monitoring wells, piezometers, DPE wells, and GWCT manhole. **Table 4** provides a summary of groundwater elevations measured on

April 16, 2018. An historical summary of groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair is provided in **Appendix C**. Monitoring wells MW-2, MW-3, MW-4, MW-6, MW-8R, MW-9, MW-10, MW-11, and MW-12 are screened across both the shallow and deep water-bearing units. 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 water-bearing unit ('S' designation) and one piezometer screened in the deep water-bearing unit ('D' designation). DPE wells DPE-1, DPE-3, DPE-5, 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 water-bearing unit.

Two groundwater surface contour maps for April 2018 are provided. The average water levels calculated for the nested piezometer pairs and monitoring wells, in conjunction with DPE well water level data, were used to generate the groundwater surface contours presented in **Figure 7**. **Figure 8** illustrates the groundwater surface contours using only monitoring well and deep piezometer and DPE water level data.

Groundwater elevations measured at monitoring wells and piezometers in April 2018 ranged from 669.93 ft above mean sea level (AMSL) at MW-14D to 687.17 ft AMSL at MW-15S. Based on these water level measurements, the groundwater surface beneath the Site continues to exhibit an inward radial pattern (i.e., cone of depression), and groundwater flows inward towards the operating DPE recovery wells and the GWCT. **Figures 7 and 8** show depressions in the water table surface centered on the DPE wells and along the GWCT for shallow (average) overburden and deep overburden respectively. The historical groundwater flow direction at the Site before active groundwater remediation was initiated had been predominantly to the northwest. These figures indicate that the GWCT remediation system continues to induce groundwater flow reversal along the western property boundary. This groundwater flow reversal helps to provide sustained hydraulic capture of the on-Site groundwater.

3.3 April 2018 Groundwater Analytical Results

The April 2018 groundwater sampling event was the thirteenth comprehensive sampling event conducted at the Site following the installation of the DPE system in May 2004. VOCs detected in groundwater at monitoring wells during the April 2018 sampling event are presented in **Table 5**. The following table summarizes the VOCs detected, their respective concentration ranges, the number of detections, and the number of those detections that exceeded Site-specific groundwater RAOs or groundwater criteria presented in New York Codes, Rules and Regulations (NYCRR), Title 6, Parts 702.15(a)(2) and 703.5.

Groundwater Quality Results - April 2018

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/NYCRR Exceedances
Vinyl chloride	7.2 – 92,000	10	10
Chloroethane	0.65 – 1,400	10	7
cis-1,2-Dichloroethene	1.0 – 5,700	9	6
1,1-Dichloroethane	0.78 – 960	8	7
Toluene	12 – 1,000	4	4
1,1-Dichloroethene	12 - 860	4	4
Trichloroethene	13 - 85	2	2
Methylene Chloride	4.7 - 12	2	1
1,2-Dichloroethane	0.22 – 0.58	2	0

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/NYCRR Exceedances
Acetone	320	1	1
2-Butanone	78	1	1
Xylenes, total	22	1	1
trans-1,2-Dichloroethene	22	1	1

A total of 13 VOCs were detected in groundwater at monitoring wells and piezometers during the April 2018 sampling event. Twelve of the 13 VOCs detected exceeded either the Site-specific RAOs or the NYCRR criteria for groundwater at one or more wells. **Figures 9 through 15** illustrate April 2018 isoconcentration contours for 1,1-dichloroethane (1,1-DCA), 1,2-DCE, chloroethane, TCE, toluene, VC, and total VOCs, respectively. Note: isoconcentration contours were not generated for 1,1,1-trichloroethane (1,1,1-TCA), ethylbenzene, and xylenes (total) as these compounds were either not detected or only detected at one well. These compounds are listed in the ROD as the Site-specific compounds for which RAOs were established (refer to **Table 1**).

As shown, the highest concentrations of VOCs were detected just west of the GWCT and in the former soil excavation area, in a suspected remnant source area located in the vicinity of MW-4, MW-8R, MW-15S, and MW-16S. Cis-1,2-DCE, VC and chloroethane exhibited the highest overall concentrations in groundwater. As has been observed historically, the shallow piezometers, which are screened in silts and clays, generally showed higher concentrations of the most frequently detected VOCs when compared to their deeper piezometer counterparts, which are screened in sands and gravels located immediately above bedrock.

3.4 Comparison of April 2018 Groundwater Analytical Data with Historical Groundwater Analytical Data

As previously described, quarterly groundwater quality data obtained during the reporting period, with the exception of the April 2018 sampling event, has already been submitted to the NYSDEC in quarterly summary reports. Trend plots illustrating concentrations of 1,1,1-TCA, 1,1-DCA, chloroethane, cis-1,2-DCE, TCE, and VC over time are provided in **Appendix D**. Because concentrations of TCE were historically the highest of the compounds of concern detected at the Site, a discussion of historical and current TCE concentrations in groundwater at Site monitoring wells and piezometers is provided in the table below.

TCE was reported above the detection limit at two wells (MW-8R and MW-15S); note that well MW-15S is located in the excavation fill area and was not targeted during the injection programs. Based on the decrease in concentration of TCE at these locations, as well as other locations with historical detections of TCE, the injection of ABC+[®] appears to continually degrade TCE. This is most clearly demonstrated on the trend plots in **Appendix D** for monitoring wells MW-4, MW-8R, MW-13S, MW-13D, MW-16S, and MW-16D.

Figure 3 shows very clearly how successful the injection program has been in promoting the in-situ reductive dechlorination of TCE. The faint grey isoconcentration lines show how TCE existed in the subsurface in April 2014. The solid blue isoconcentration lines show the vastly lower TCE concentrations in April 2018.

Summary of Annual TCE Concentrations in Groundwater through April 2018

Well ID	TCE Concentrations (µg/L)												
	April 2005	July 2006	Oct 2007	Jan 2009	April 2010	April 2011	April 2012	April 2013	April 2014	April 2015	April 2016	April 2017	April 2018
MW-2	<10	< 25	< 5	< 5	<25	<1	<1	<1	<1	<5	<1	<1	<1
MW-3	<10	< 25	5 J	< 5	<5	<1	<1	<1	<1	<1	<1	<1	<1
MW-4	NS	2,400	4,800	19,000	3,000	13,000	39,000	12,000	32,000	110	<100	<5	<20
MW-6	< 10	< 5	0.63 J	< 5	<5	<1	<1	<1	<1	<1	<1	<1	NS
MW-8R	15,000	16,000	2,200	8,400	2,500 J	8,900	99,000	64,000	100,000	<2,000	<1,000	14	13
MW-9	< 10	1.3	2.6 J	< 5	<5	<1	<1	<1	<1	<1	<1	<1	<1
MW-10	<10	< 5	< 5	< 5	<5	<1	<1	<1	<1	<1	<1	<1	<1
MW-11	<10	< 20	0.71	0.77 J	0.95 J	1.2	0.51	<1	<1	<2	<1	<1	<2
MW-12	< 10	< 25	< 5	NS	<5	<1	<1	<1	<1	<1	<5	<1	<4
MW-13S	760	17,000	570	3,400	1,400	40,000	39,000	40,000	32,000	31,000	<100	0.26	<40
MW-13D	8	2 J	< 5	< 5	< 5	22	62	53	30	40	<10	<1	<1
MW-14S	< 10	5.7 J	< 5	0.38 J	< 5	< 1	1.3	<1	<1	<1	<1	<1	NS
MW-14D	10	0.96 J	< 5	< 5	9.4	0.97	0.64J	0.99	<1	<1	<1	<1	<1
MW-15S	400	400	400	180	270	200	240	140	160	85	110	70	85
MW-15D	< 50	4.9 J	3.6 J	< 25	<5	<8	<10	<8	<20	<20	<10	<1	<5
MW-16S	400,000	310,000	130,000	92,000	220,000	250,000	250,000	230,000	61,000	26,000	<4,000	86	<1,000
MW-16D	32	6.1	6 J	52	12	22	42	57	<25	<20	<10	<1	<1

Notes:

J – Estimated concentration.

NS – Not sampled.

Wells in **bold** were targeted during the November 2014 injection; delineated by the black dashed vertical line.

Wells in **bold** and shaded in grey were targeted during the April 2015 injection; delineated by the grey vertical line.

3.5 Groundwater Collection Trench and Dual-Phase Extraction Wells Groundwater Analytical Data

A grab sample was collected from the GWCT during each of the four quarters included in the reporting period; these data are summarized in **Table 6**. Note: GWCT VOC data is not available prior to July 24, 2015. Although the VOC concentrations in the GWCT are relatively low, the GWCT remediation system continues to induce groundwater flow reversal along the western property boundary. This groundwater flow reversal aids in providing sustained hydraulic capture of the on-site groundwater and is illustrated in the groundwater surface contour maps presented in **Figures 7 and 8**.

As stated above, groundwater grab samples were collected from DPE wells and analyzed for VOCs. Analytical data are presented in **Table 7**, and show decreasing trends of chlorinated VOCs in groundwater following the November 2014 injection pilot test at the DPE wells closest to the injections.

An electronic copy of the analytical laboratory data package for the April 2018 sampling event is provided in **Appendix E** on a compact disc (CD).

3.6 Dechlorinating Bacteria Analysis

On December 7, 2015, AECOM deployed two "Bio-traps", one each at MW-4 and MW-16S, to determine the concentration (i.e., cells/bead) of dechlorinating bacteria. On January 4, 2016, AECOM extracted the two "Bio-traps" and submitted them to Microbial Insights, Inc., in Knoxville, Tennessee for analysis; refer to eleventh PRR, Appendix E (AECOM, November 2016) for laboratory report. Per the analysis, both wells had $> 10^4$ cells/bead of *Dehalococcoides*, tceA Reductase, BAV1 VC Reductase, and VC Reductase bacteria, indicating that reductive dechlorination will yield a generally useful biodegradation rate (Lu et al., 2006). Refer to table below for a summary of the dechlorinating bacteria data.

Sample ID	MW-16S	MW-4
Sample Date	January 4, 2016	January 4, 2016
Units	Cells/bead	Cells/bead
Dechlorinating Bacteria		
<i>Dehalococcoides</i>	2.28×10^6	5.36×10^5
tceA Reductase	1.02×10^5	1.63×10^4
BAV1 VC Reductase	6.80×10^4	2.80×10^4
VC Reductase	2.07×10^4	4.81×10^4

3.7 Dechlorinating Chemical Analysis

In addition to the dechlorinating bacteria results, the presence and distribution of TCE degradation products (cis-1,2-DCE and VC) and 1,1,1-TCA degradation products (1,1-DCA and chloroethane) provide supportive evidence that the attenuation of TCE and 1,1,1-TCA and their degradation products via reductive dechlorination continues to occur in-situ at the Site. The occurrence and concentrations of these degradation products are directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. The degradation products of TCE and 1,1,1-TCA were detected at their highest concentrations within the suspected source area in the vicinity of MW-4, MW-8R, MW-13S, and MW-16S. A limited number of other VOCs were sporadically detected in groundwater at the Site, with the majority of these detections in groundwater located at MW-15S (note again, MW-15S/D is located in the lime-stabilized excavation fill area and were not targeted during previous injection programs).

4.0 Groundwater Remediation System Monitoring and VOC Mass Removal Summary

This section describes system performance monitoring and summarizes the mass of VOCs removed by the combined DPE remediation system during the current reporting period from April 2017 through April 2018.

4.1 System Monitoring Results

4.1.1 Air Discharge Monitoring

Samples were obtained from the vapor effluent of the AS on a quarterly basis and analyzed by TestAmerica, Inc., located in South Burlington, Vermont, using USEPA Compendium Method TO-15. Based on the analytical results for the vapor samples collected, the exhaust mass-loading rate was calculated and presented to the NYSDEC in the Site quarterly groundwater monitoring reports. The combined total of the exhaust mass-loading rates for the vapor discharges was compared to the NYSDEC guidance value of 0.5 pounds per hour (lb/hr) of VOCs. Vapor effluent monitoring results for the first three monitoring events (July 2017, October 2017, and January 2018) during the reporting period have been previously submitted to NYSDEC, and no exceedance of the NYSDEC standard for VOC emissions occurred. Refer to Section 4.2 for a summary of air effluent data (including April 2018).

AECOM collected vapor effluent samples from the AS unit and the LRP for the final quarterly monitoring event of the reporting period on April 12, 2018. The vapor effluent analytical results for the reporting period are summarized in **Table 8**, and an electronic copy of the analytical laboratory data package is provided on the enclosed CD in **Appendix D**. During the April 2018 sampling event, 11 VOCs were detected in the AS unit effluent and five VOCs were detected in the LRP effluent. The total VOC discharge was 108 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in the AS unit effluent and 1,508 $\mu\text{g}/\text{m}^3$ in the LRP effluent. Based on these effluent totals, the calculated VOC discharge-loading rate for the combined DPE remediation system was 0.00069 lb/hr, which is well below the NYSDEC discharge guidance value of 0.5 lb/hr.

4.1.2 Water Discharge Monitoring

Following the sale of the Site to AVOX Systems Inc. in September 2004, Scott retained the responsibility for BSA EC/BPDES permit compliance sampling and reporting. The current BSA EC/BPDES permit (No. 15-10-E4054) for the combined DPE remediation system will expire on September 30, 2018. AECOM submitted an application to BSA for a new permit on March 6, 2018.

The current permit requires quarterly sampling of treated groundwater discharge from the combined DPE groundwater remediation systems for a specific list of VOCs, total extractable hydrocarbons (TEH), total suspended solids (TSS), and pH. The quarterly discharge samples are analyzed by TestAmerica Inc., located in Amherst, New York. AECOM collected permit compliance samples from the AS unit treated effluent discharge sampling point in July 2017, October 2017, January 2018, and April 2018. Each quarter, AECOM tabulated the analytical data, converted the data to mass loading rates, compared the results to the permit requirements, and prepared a letter report for submittal to

the BSA and NYSDEC. No exceedance of any permit discharge limit occurred during any of the four reporting periods.

On November 21, 2017, BSA performed an annual compliance inspection at the Site. In an electronic mail from BSA dated November 29, 2017, BSA stated that the inspection showed the facility was in compliance with all permit requirements.

4.2 Mass Removal Summary

The estimated VOC mass removed by the combined DPE system for both groundwater and soil vapor was calculated based on operational and analytical data collected between July 2017 and April 2018.

The mass removal via groundwater extraction by the remediation system was calculated using total influent VOC concentrations, collected quarterly, and AS unit totalizer readings. The aqueous phase calculations are presented in **Table 9**. As shown in the table, approximately 0.019 pounds of VOCs were removed via groundwater extraction by the GWCT system per data collected from the July 2017 (Third Quarter 2017) through April 2018 (Second Quarter 2018) sampling events.

In addition to the VOCs removed through the AS, the DPE system additionally collects vapor from the subsurface and volatilizes VOCs during the groundwater extraction process. Mass removal was calculated using LRP runtime measurements, the total average LRP effluent sample VOC concentration for the reporting period, and the actual LRP airflow rate based on the manufacturer's operational curve, converted to standard cubic feet per minute. These calculations are presented in **Table 10**; approximately 8 pounds of VOCs were removed via the vapor phase from the combined DPE remedial system. Therefore, including both mass removal through groundwater and vapor, a total of 8 pounds of VOCs are estimated to have been removed by the combined DPE remediation system during the current reporting period (year).

Combining the totals for the 12 reporting periods, the cumulative mass of VOCs removed by the system is estimated at 3,028 pounds since the startup of the system in its current configuration on May 14, 2004.

5.0 Conclusions and Recommendations

Based on results of the remediation system analytical and system operational data collected during the reporting period, conclusions, upcoming Site-related activities and a proposed system monitoring schedule are presented below.

5.1 Conclusions

1. The DPE remediation system and GWCT ran continuously, with only minor downtime.
2. During the current reporting period from April 20, 2017 through April 18, 2018, the total groundwater treated and discharged to the sanitary sewer via the AS unit was an estimated 75,802 gallons, at a combined average flow rate of 0.15 gpm.
3. Approximately 8 pounds of VOCs were removed by the combined remediation system from April 2017 through April 2018. An estimated cumulative total of 3,028 pounds of VOCs has been removed since system startup on May 14, 2004.
4. The system discharges were in compliance with applicable requirements (i.e., BSA EC/BPDES permit effluent discharge limits for liquids, and the NYSDEC air emission standard for vapor of 0.5 lb/hr) throughout the reporting period.
5. Groundwater elevations measured from monitoring wells on April 16, 2018 ranged from 669.93 ft AMSL at MW-14D to 687.17 ft AMSL at MW-15S. The groundwater surface exhibits a cone of depression with groundwater flowing inward towards the active DPE wells and GWCT. The DPE and GWCT continue to induce groundwater flow reversal along the western property boundary, which serves to mitigate off-site migration of VOCs in the shallow and deep overburden groundwater.
6. The groundwater analytical data and groundwater elevation data indicate that the DPE and GWCT continued to maintain hydraulic control of groundwater by capturing potential off-Site migration of VOCs along the western property boundary.
7. During the April 2018 comprehensive groundwater sampling event, 1,1,1-TCA was not detected in monitoring wells; TCE was detected above its RAO at MW-8R and MW-15S.
8. VC, Chloroethane, cis-1,2-DCE, and 1,1-DCA were the most frequently detected VOCs in groundwater. For the April 2018 comprehensive groundwater sampling event, the highest concentrations of VOCs were detected just west of the GWCT and in the former source area soil excavation.
9. The presence and distribution of TCE degradation products (cis-1,2-DCE and VC) and 1,1,1-TCA degradation products (1,1-DCA and chloroethane), coupled with the "Bio-trap" results from January 2016, continued to provide supportive evidence for the attenuation of TCE and 1,1,1-TCA, and their degradation products, via reductive dechlorination.

5.2 Recommendations

Based on information gathered during the current reporting period, the following recommendations are proposed for the Site:

1. Continue running the DPE system, targeting both shallow and deep water-bearing unit VOC contamination. This will be done by continuing to have all DPE wells remain on, except for DPE-6, which is located approximately 30 feet east of the GWCT in the former soil excavation area and has continually been plugged by calcium hydroxide (lime) buildup.
2. Continue to sample active DPE wells and the GWCT for VOCs.
3. Clean and/or replace the manifold for the DPE system that has become fouled with lime buildup, prior to the April 2019 groundwater sampling event.
4. Redevelop DPE wells with acid, if needed, to remove excessive lime buildup.
5. Flush DPE conveyance piping with acid to remove excessive lime buildup.
6. Continue to perform O&M activities as listed in **Table 11**.
7. Decommission monitoring wells located in the Quick Cut Rubber Gasket Company parking lot; MW-6, MW-10, and MW-12 are frequently damaged due to snow removal activities and semi-truck loading/unloading activities.
8. Install bollards between Quick Cut Rubber Gasket Company parking lot and DPE-7 and DPE-8 in an effort to minimize damage to vaults, as suggested by Quick Cut Rubber Gasket Company property owner during the week of April 1, 2018.
9. Perform three targeted quarterly groundwater sampling events and one comprehensive groundwater sampling event during the next reporting period.
10. During the April 2019 comprehensive groundwater sampling event, sample DPE-6 instead of MW-15S as MW-15S is typically flooded. DPE-6 is located approximately 15 ft east of MW-15S and screened at the same elevation. Note: MW-15S is not proposed for decommissioning at this time as it is a nested piezometer with MW-15D.
11. Install Bio-traps at MW-8R and MW-16S to determine the concentration (i.e., cells/bead) of dechlorinating bacteria.
12. Evaluate if additional targeted injections (approximately 10) would be beneficial, targeting an approximate 2,000 square ft area around monitoring wells MW-4, MW-8R, MW-13S/D, and MW-16S/D, and DPE wells DPE-3, DPE-5, DPE-7, and DPE-8.
13. Review and update the Site health and safety plan as needed.
14. Finalize a Site Management Plan following direction from NYSDEC.

5.3 Proposed Monitoring and Compliance Sampling Schedule

The proposed schedule for groundwater sampling at the Site during the next reporting period is presented in **Table 12**. As shown in **Table 12**, three perimeter wells (MW-2, MW-3, and MW-11), six historic source area wells (MW-4, MW-8R, MW-13S, MW-13D, MW-16S, and MW-16D), seven active DPE wells (DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-7, and DPE-8), and the GWCT will be sampled during the next three targeted quarterly events (July 2018, October 2018, and January 2019) for the next reporting period. The comprehensive groundwater monitoring event scheduled for April 2019 will include all 13 Site monitoring wells and nested piezometers as well as DPE wells (DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, and DPE-8), and the GWCT.

Prior to each collection of groundwater samples, a complete round of water level measurements will be collected. Groundwater samples will be analyzed for VOCs using USEPA SW-846 Method 8260C.

Quality assurance/quality control samples will include rinsate blanks, trip blanks, and blind duplicate samples. Laboratory batch quality control will be included with the completed data package.

Quarterly air samples from the AS unit and LRP vapor effluent sampling ports will be collected to ensure compliance with the NYSDEC exhaust mass-loading rate guidance of 0.5 lb/hr of VOCs. Quarterly vapor effluent air samples will be collected from the LRP when on-line to determine the mass of VOCs removed by the DPE system as a vapor. The samples will be analyzed for VOCs utilizing USEPA Method TO-15.

In addition, quarterly aqueous samples from the AS unit effluent discharge to the sanitary sewer will be collected as specified in the current BSA EC/BPDES discharge permit, and AS unit influent samples will be collected to determine the treatment efficiency of the AS unit. These samples will be analyzed for VOCs, TEH, TSS, and pH as specified in the current permit. **Table 13** provides a summary of the proposed monitoring and compliance sampling activities during the next reporting period. In the event that any effluent permit monitoring requirements change, notification of these changes will be given to the NYSDEC in a future quarterly groundwater monitoring summary report.

The next PRR (fourteenth comprehensive report since DPE system startup in May 2004) for the combined DPE remediation system will be prepared following the receipt of laboratory analytical results for the April 2019 comprehensive groundwater sampling event and will cover the period of April 2018 through April 2019.

6.0 Evaluate Remedy Performance, Effectiveness, and Protectiveness

6.1 Institutional Controls and Engineering Controls Certification

Although an Institutional Controls and Engineering Controls (IC/EC) certification form was not distributed by NYSDEC for this reporting period (the last IC/EC certification form for this Site was distributed on June 30, 2014), AECOM verified that the institutional and engineering controls listed below are being implemented and are in compliance with the June 30, 2014 IC/EC certification form.

Institutional controls include:

1. Monitoring Plan
2. O&M Plan

Engineering controls include:

1. Groundwater Treatment System
2. Vapor Mitigation
3. Cover System
4. Groundwater Containment

7.0 References

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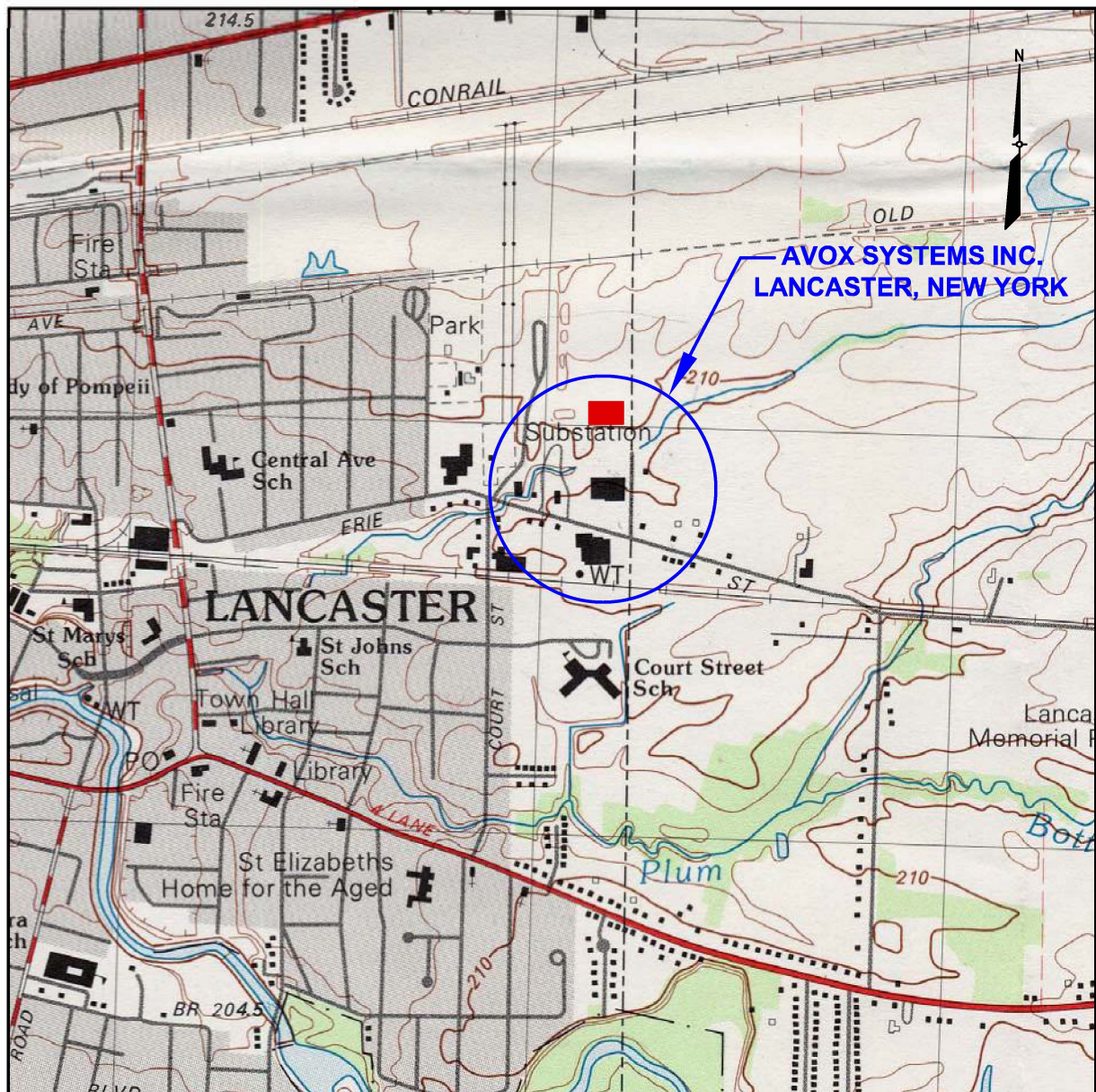
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Figures



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

LEGEND

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

0 1000 2000
SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

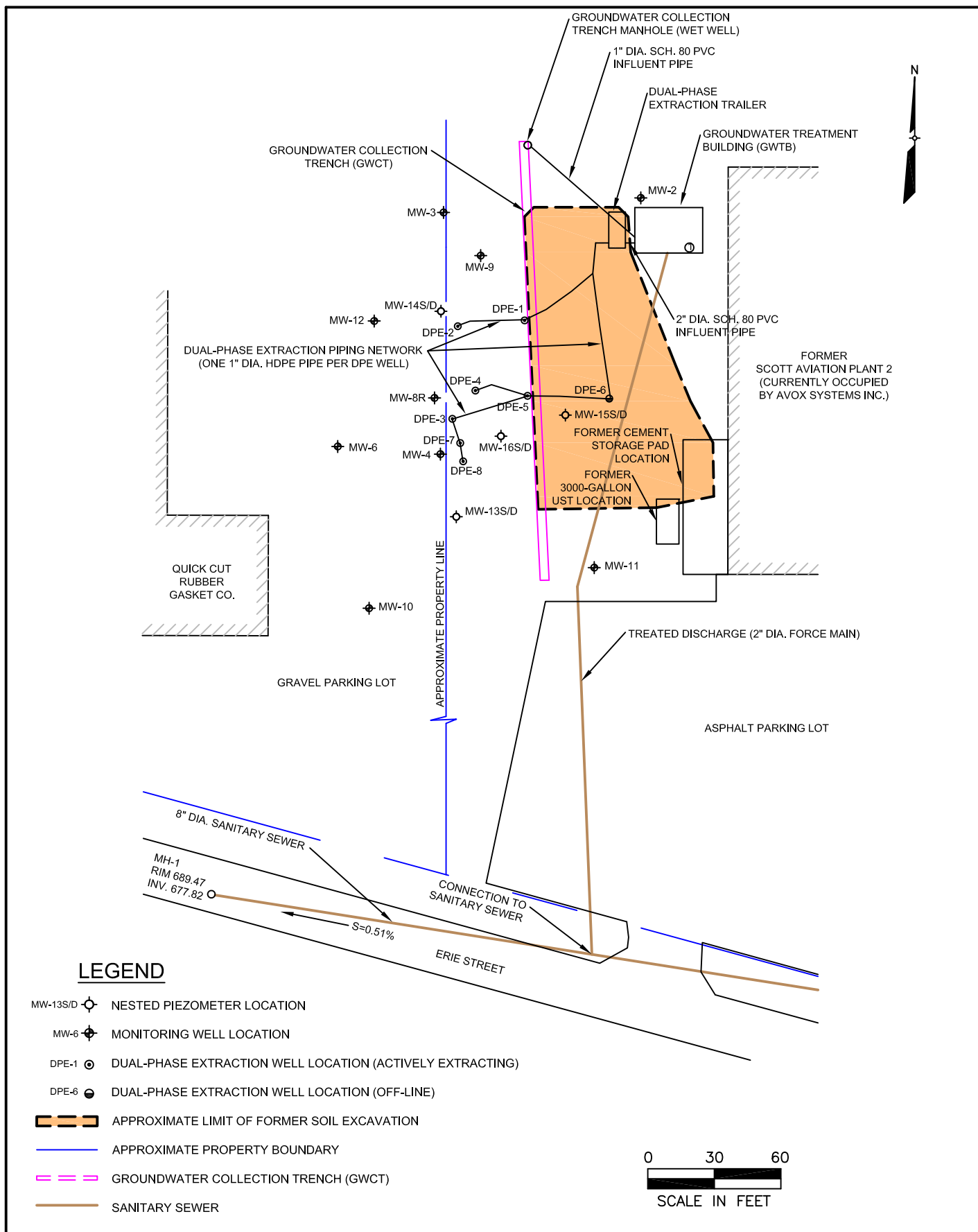
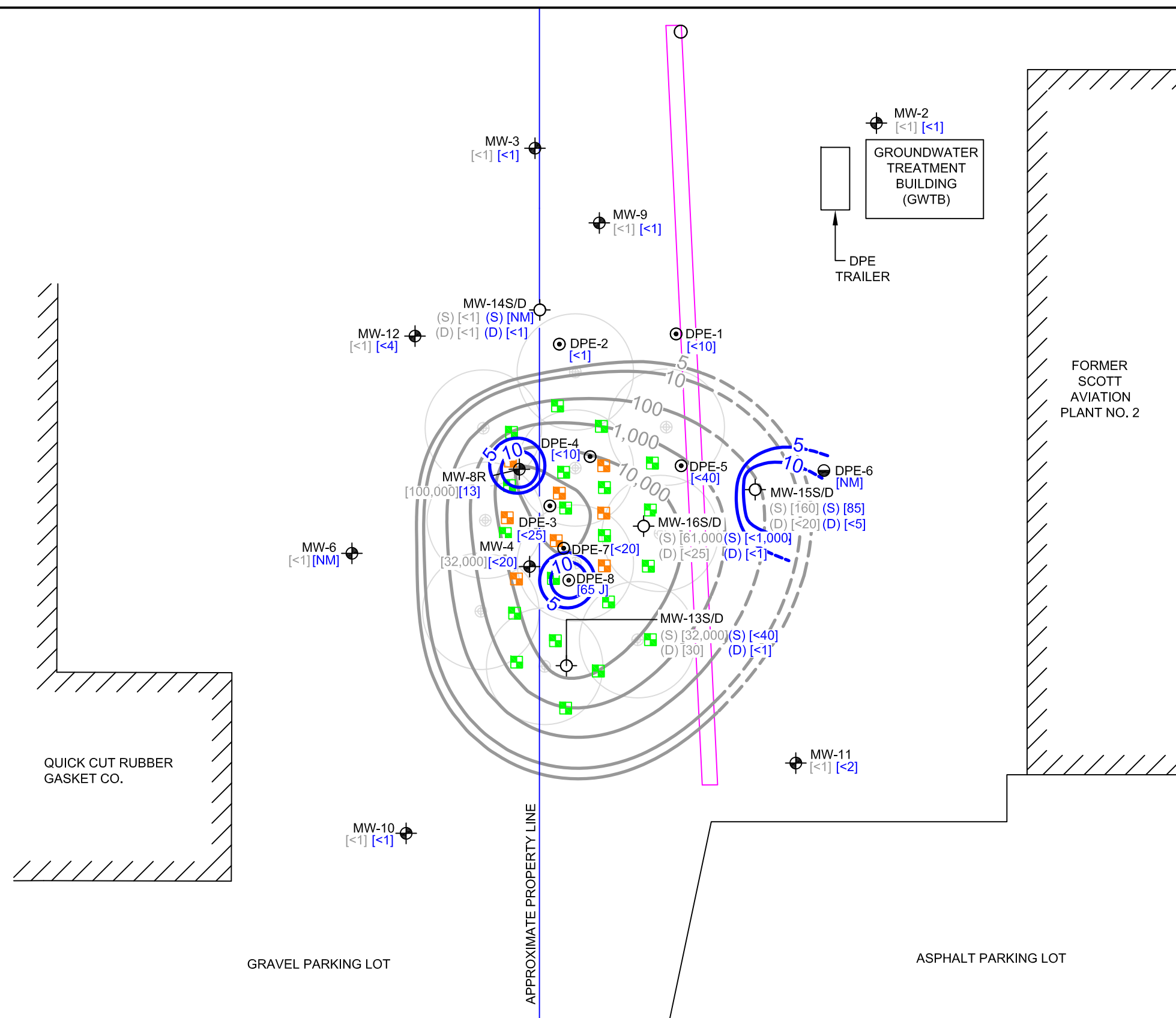


FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK



LEGEND

MW-9

MONITORING WELL LOCATION

MW-13S/D

NESTED PIEZOMETER LOCATION

DPE-1

DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)

DPE-6

DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)

NOVEMBER 2014 INJECTION POINTS (ABC+)

MAY 2015 INJECTION POINTS (ABC+)

OCT2010/OCT2011 INJECTION POINTS (PERSULFATE)

[85]

TRICHLOROETHENE CONCENTRATION (µg/L) (APRIL 2018)

10

TRICHLOROETHENE ISOCONCENTRATION CONTOUR (µg/L) (APRIL 2018)

5

REMEDIAL ACTION OBJECTIVE FOR TRICHLOROETHENE (µg/L) (APRIL 2018)

[160]

TRICHLOROETHENE CONCENTRATION (µg/L) (APRIL 2014)

10

TRICHLOROETHENE ISOCONCENTRATION CONTOUR (µg/L) (APRIL 2014)

5

REMEDIAL ACTION OBJECTIVE FOR TRICHLOROETHENE (µg/L) (APRIL 2014)

<

BELOW REPORTING LIMIT

(S)

SHALLOW PIEZOMETER

(D)

DEEP PIEZOMETER

GROUNDWATER COLLECTION TRENCH (GWCT)

APPROXIMATE PROPERTY BOUNDARY

J

RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE

D

COMPOUND ANALYZED AT A DILUTION

NM

NOT MEASURED

NOTE

1. THE HIGHEST CONCENTRATION OF TCE WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.

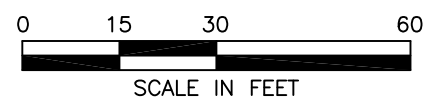


FIGURE 3
LOCATION OF INJECTION POINTS

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

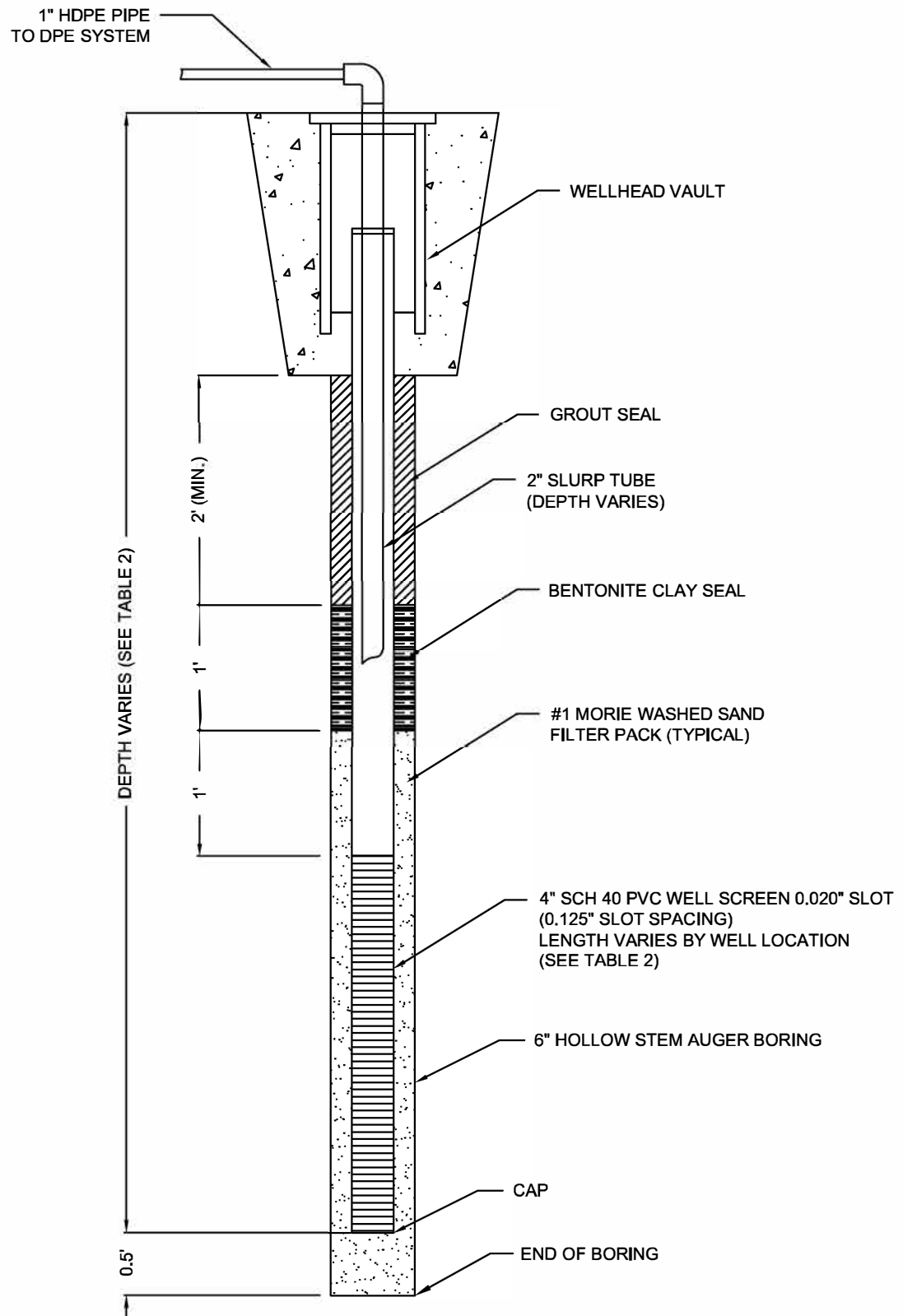


FIGURE 4
TYPICAL DUAL PHASE EXTRACTION RECOVERY
WELL CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

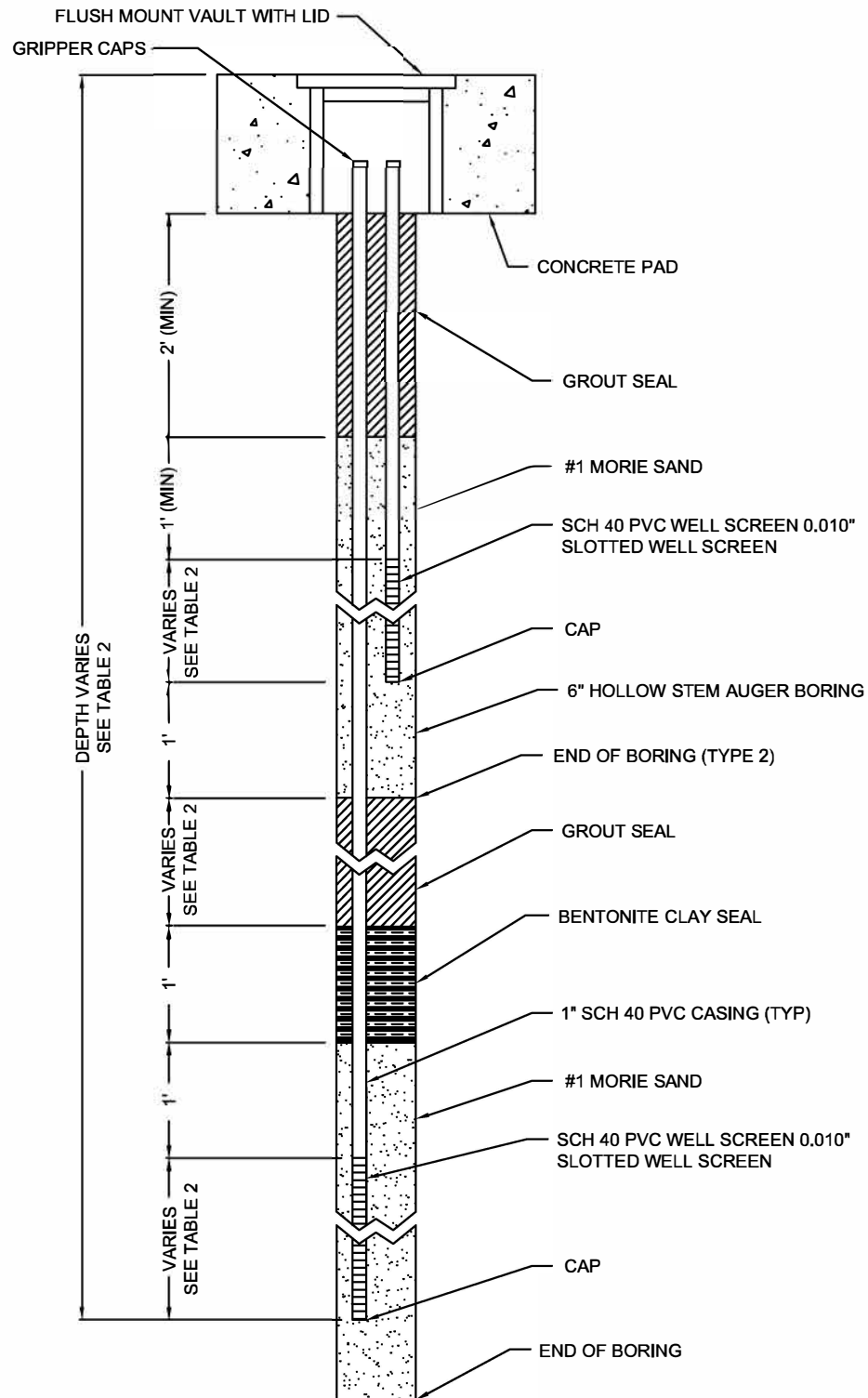


FIGURE 5
TYPICAL NESTED PIEZOMETER
CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK

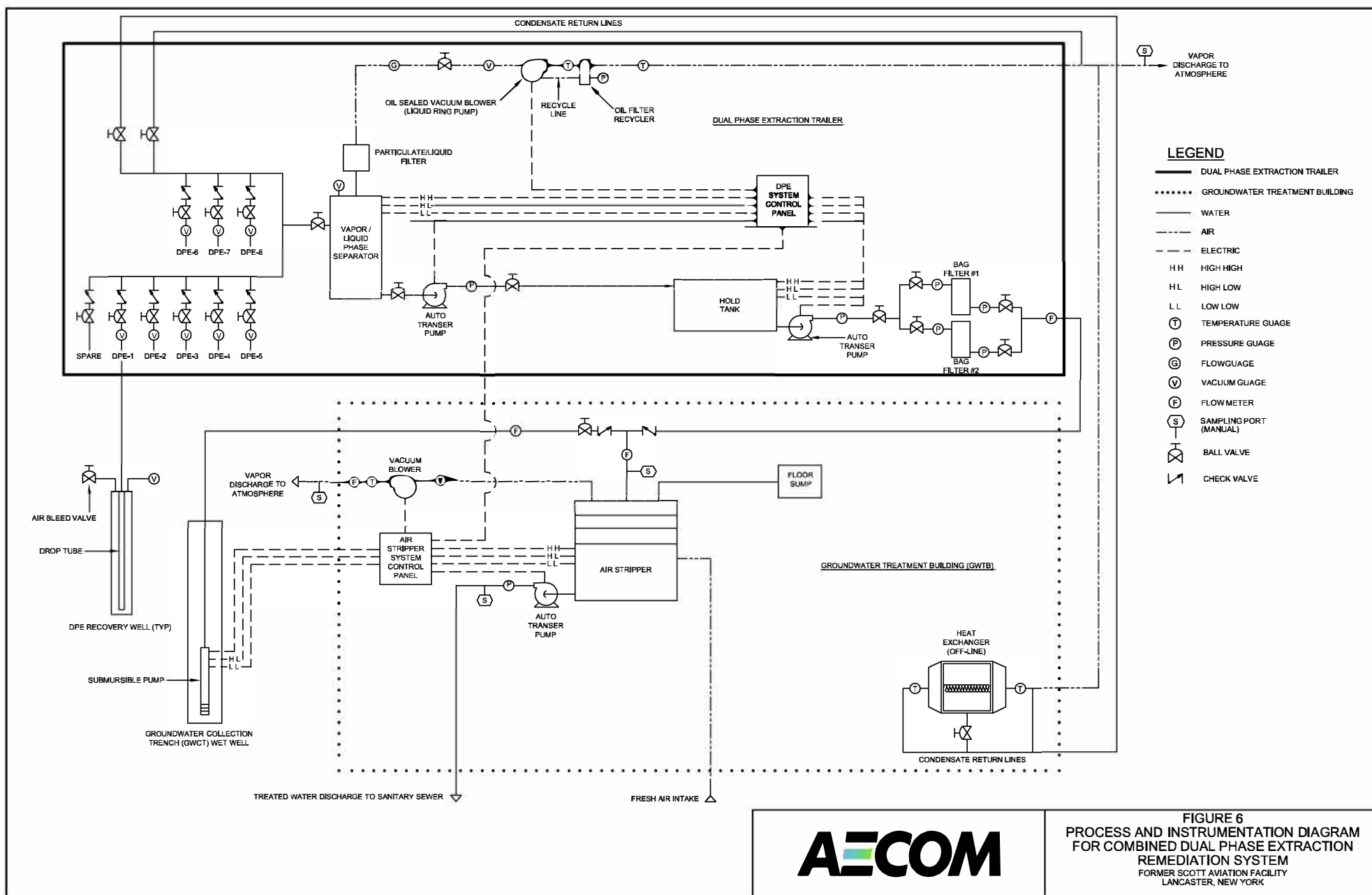


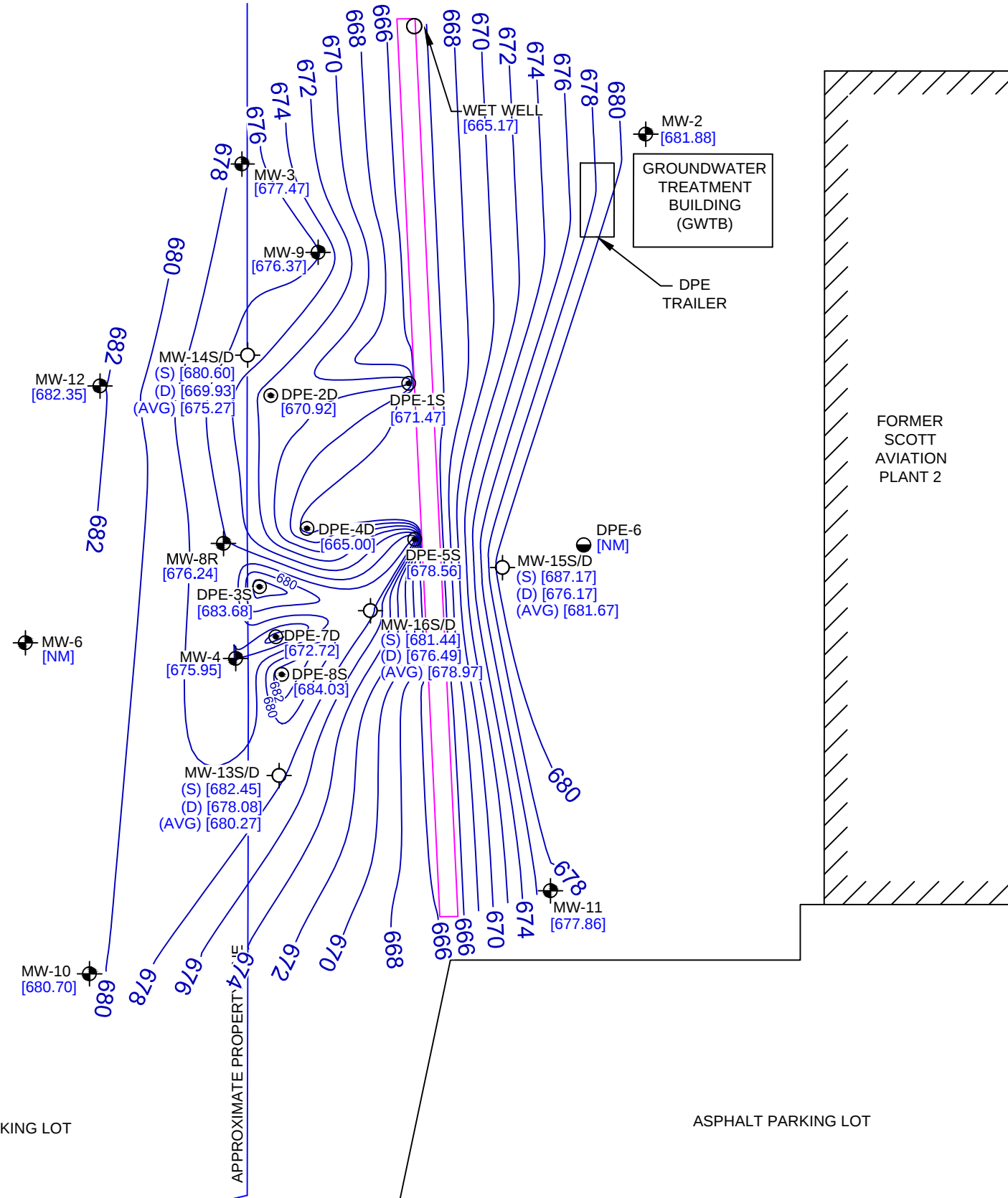
FIGURE 6
PROCESS AND INSTRUMENTATION DIAGRAM
FOR COMBINED DUAL PHASE EXTRACTION
REMEDIATION SYSTEM
 FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK

AECOM

Quarterly Groundwater Monitoring Water Level Data - April 16, 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.00	5.12	681.88
MW-3	687.05	9.58	677.47
MW-4	686.50	10.55	675.95
MW-6	686.46	NM	NM
MW-8R	686.29	10.05	676.24
MW-9	689.57	13.20	676.37
MW-10	687.70	7.00	680.70
MW-11	688.61	10.75	677.86
MW-12	686.19	3.84	682.35
Nested Piezometers			
MW-13S	686.65	4.20	682.45
MW-13D	686.78	8.70	678.08
MW-14S	685.74	5.14	680.60
MW-14D	685.88	15.95	669.93
MW-15S	687.17	0.00	687.17
MW-15D	687.87	11.70	676.17
MW-16S	688.15	6.71	681.44
MW-16D	688.16	11.67	676.49
Remedial System			
GWCT Manhole (rim)	687.22	22.05	665.17
DPE Wells			
DPE-1	687.17	15.70	671.47
DPE-2	685.32	14.40	670.92
DPE-3	685.98	2.30	683.68
DPE-4	686.00	21.00	665.00
DPE-5	686.91	8.35	678.56
DPE-7	685.92	13.20	672.72
DPE-8	686.03	2.00	684.03

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
NM - Not Measured
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the manhole
Locations re-surveyed on February 23, 2016



LEGEND

MW-13S/D

NESTED PIEZOMETER LOCATION

MW-9

MONITORING WELL LOCATION

DPE-1

DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)

DPE-6

DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)

[680.70]

GROUNDWATER SURFACE ELEVATION IN FEET MSL

678

ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL

GROUNDWATER FLOW DIRECTION

(S)

SHALLOW PIEZOMETER/DPE

(D)

DEEP PIEZOMETER/DPE

GROUNDWATER COLLECTION TRENCH (GWCT)

APPROXIMATE PROPERTY BOUNDARY

NM

NOT MEASURED

- 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 APRIL 16, 2018.

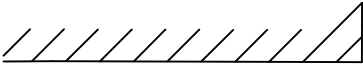


FIGURE 7
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2018
AVERAGE OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

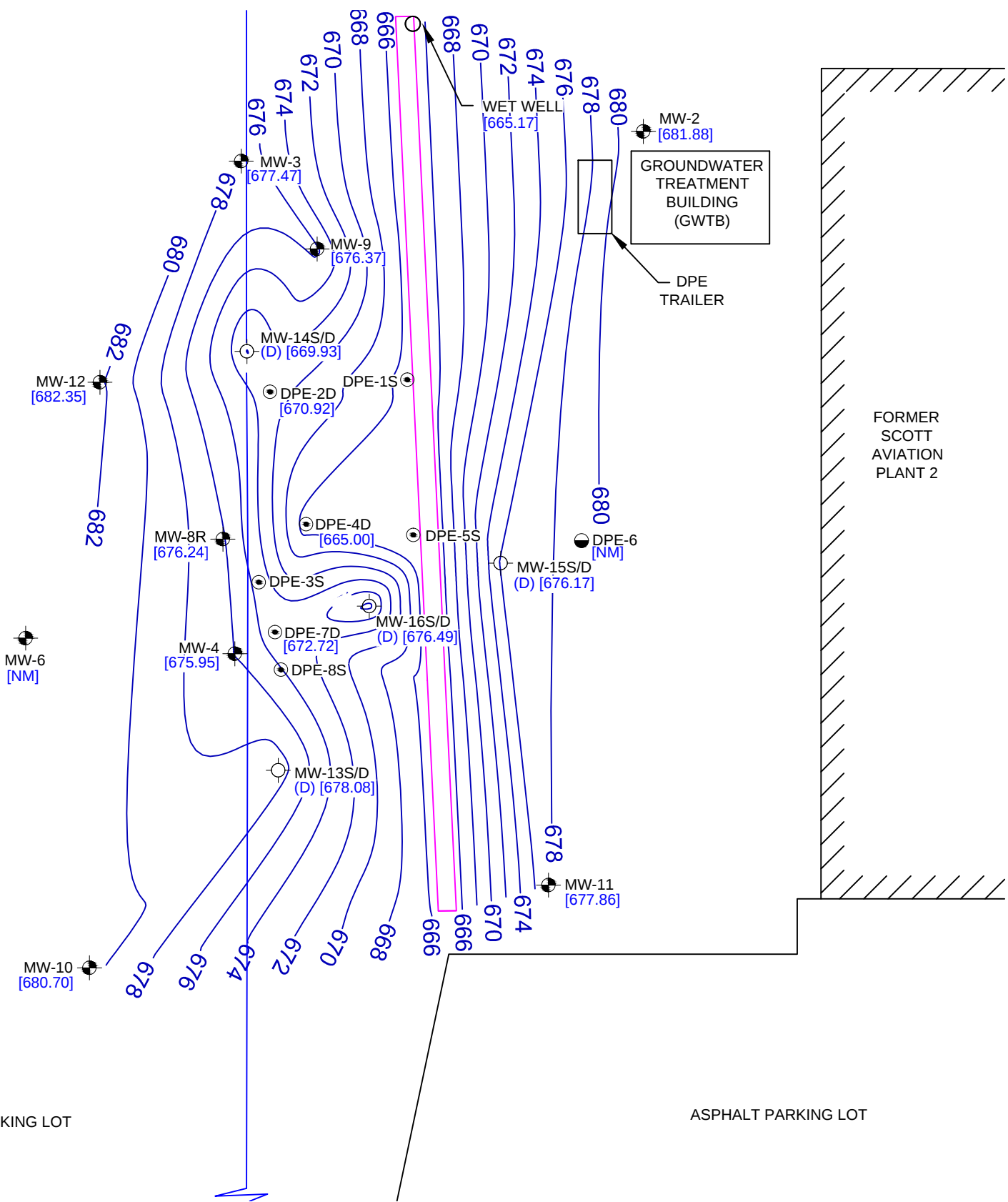
Quarterly Groundwater Monitoring Water Level Data - April 16, 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.00	5.12	681.88
MW-3	687.05	9.58	677.47
MW-4	686.50	10.55	675.95
MW-6	686.46	NM	NM
MW-8R	686.29	10.05	676.24
MW-9	689.57	13.20	676.37
MW-10	687.70	7.00	680.70
MW-11	688.61	10.75	677.86
MW-12	686.19	3.84	682.35
Nested Piezometers			
MW-13S	686.65	4.20	682.45
MW-13D	686.78	8.70	678.08
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MW-14D	685.88	15.95	669.93
MW-15S	687.17	0.00	687.17
MW-15D	687.87	11.70	676.17
MW-16S	688.15	6.71	681.44
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Remedial System			
GWCT Manhole (rim)	687.22	22.05	665.17
DPE Wells			
DPE-1	687.17	15.70	671.47
DPE-2	685.32	14.40	670.92
DPE-3	685.98	2.30	683.68
DPE-4	686.00	21.00	665.00
DPE-5	686.91	8.35	678.56
DPE-7	685.92	13.20	672.72
DPE-8	686.03	2.00	684.03

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
NM - Not Measured
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the manhole
Locations re-surveyed on February 23, 2016



GRAVEL PARKING LOT



LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [680.70] GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 676 ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL
- GROUND WATER FLOW DIRECTION
- (S) SHALLOW PIEZOMETER/DPE
- (D) DEEP PIEZOMETER/DPE
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- NM NOT MEASURED

NOTES

- GROUNDWATER ELEVATIONS FROM THE DEEP PIEZOMETERS PAIR AND DEEP DUAL PHASE EXTRACTION WELLS (i.e. MW-13D, MW-14D, MW-15D, MW-16D, DPE-2, DPE-4, AND DPE-7) WERE USED TO CREATE THE GROUNDWATER SURFACE CONTOURS.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 16, 2018.



FIGURE 8
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2018
DEEP OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

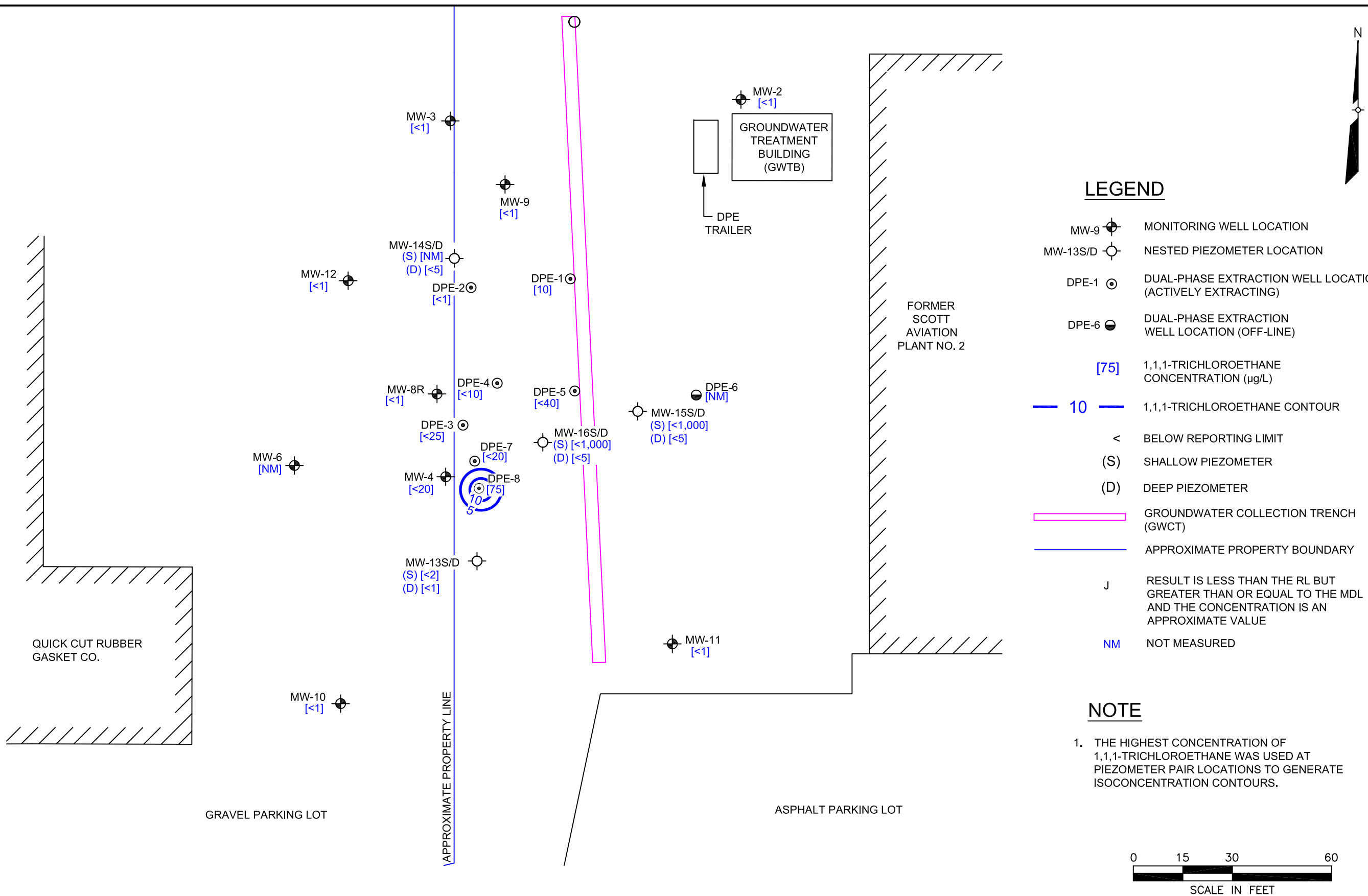
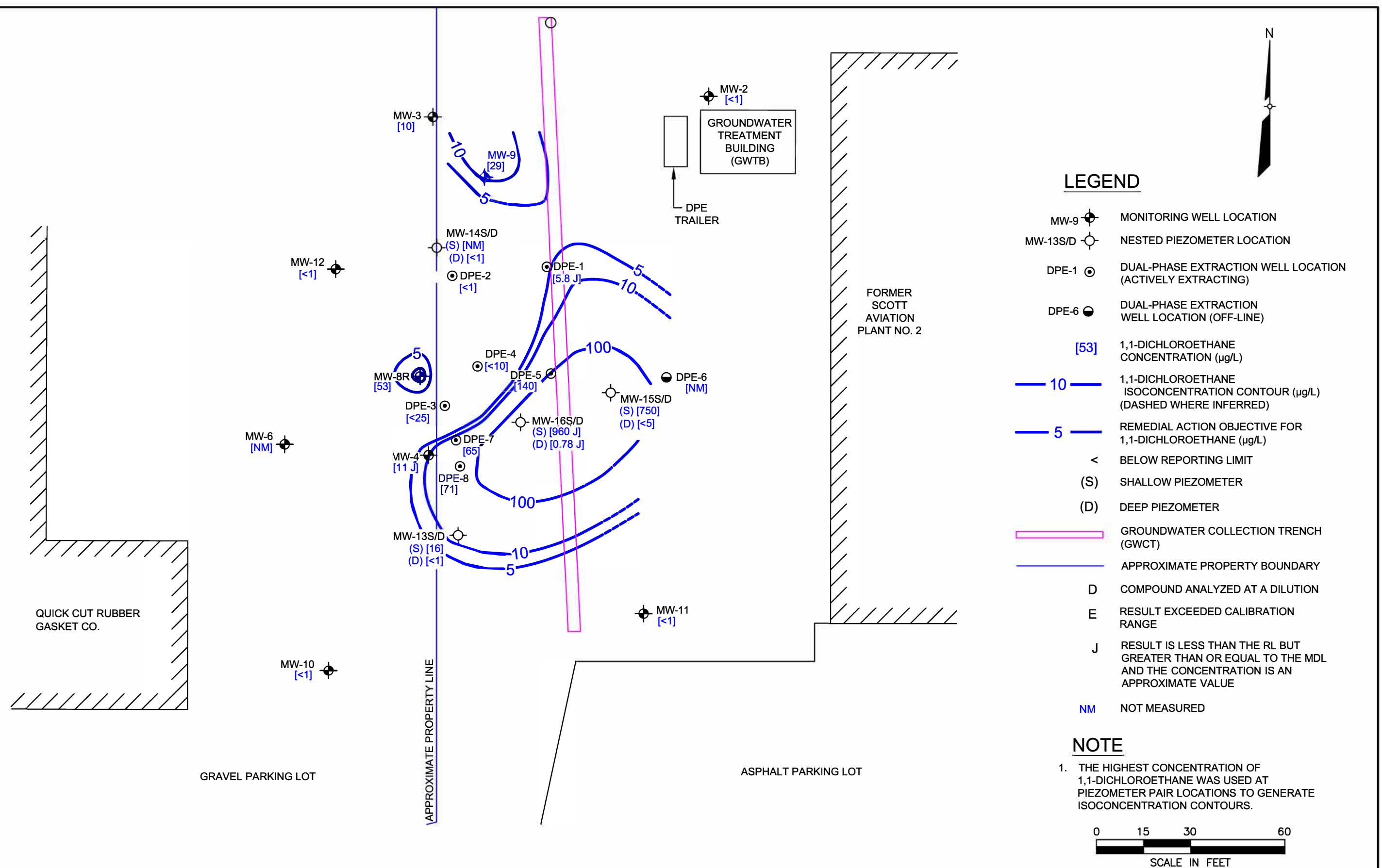


FIGURE 9
1,1,1-TRICHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



AECOM

FIGURE 10
1,1-DICHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

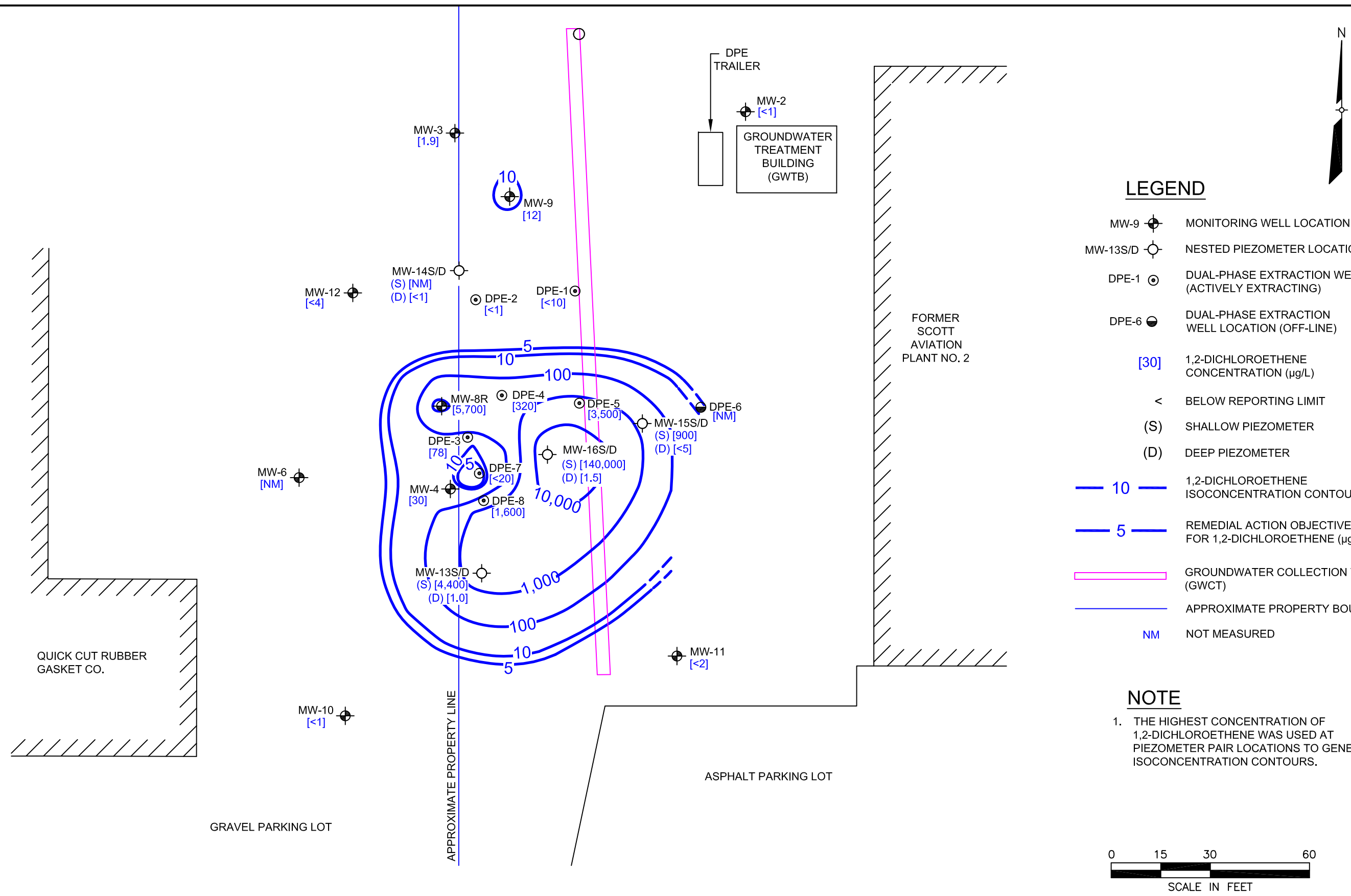
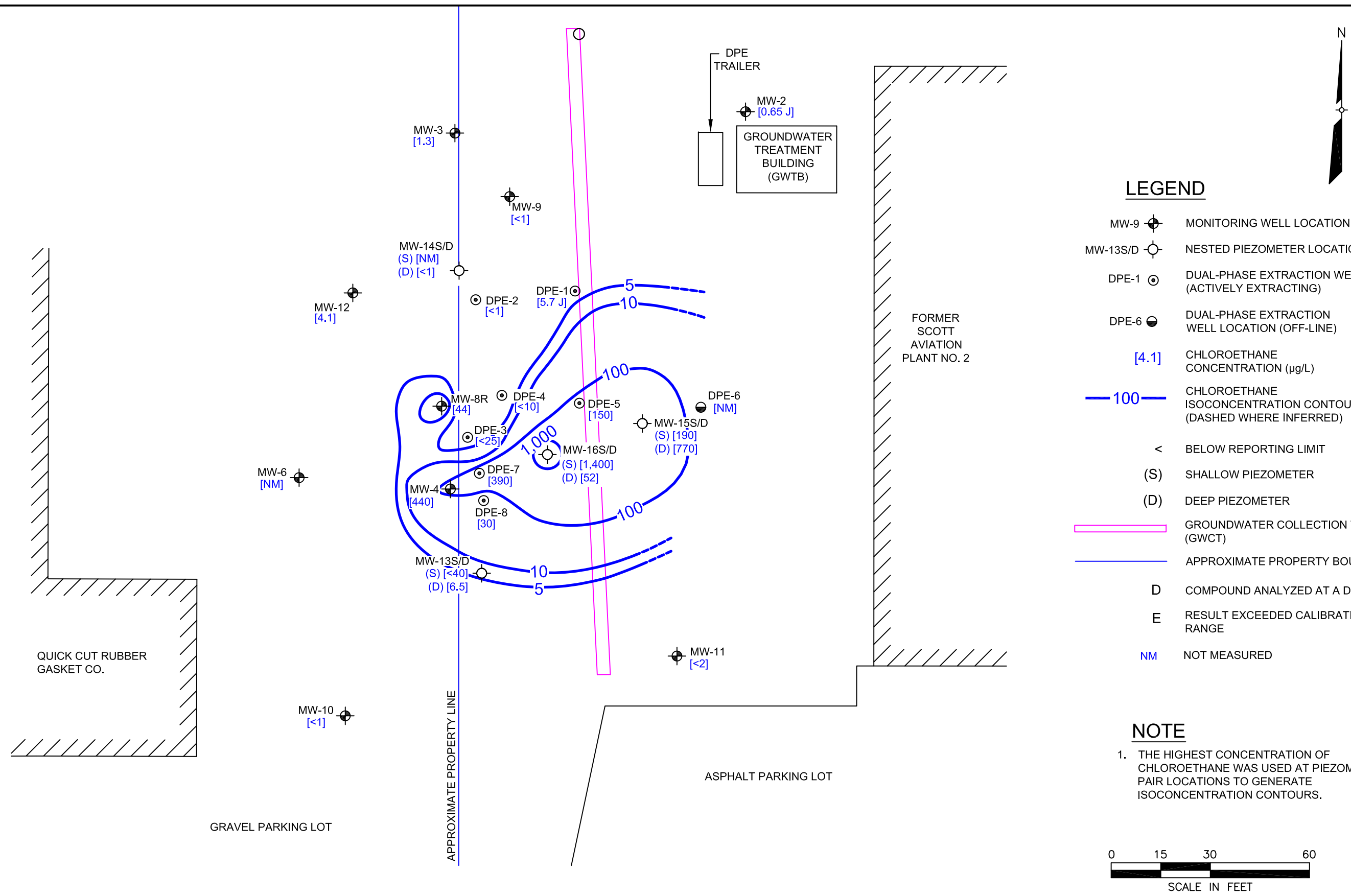


FIGURE 11
1,2-DICHLOROETHENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

- MW-9 MONITORING WELL LOCATION
- MW-13S/D NESTED PIEZOMETER LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [4.1] CHLOROETHANE CONCENTRATION (µg/L)
- 100 CHLOROETHANE ISOCONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- < BELOW REPORTING LIMIT
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- D COMPOUND ANALYZED AT A DILUTION
- E RESULT EXCEEDED CALIBRATION RANGE
- NM NOT MEASURED

NOTE

- THE HIGHEST CONCENTRATION OF CHLOROETHANE WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.

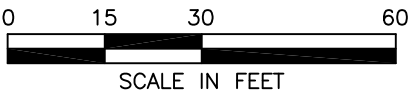


FIGURE 12
CHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

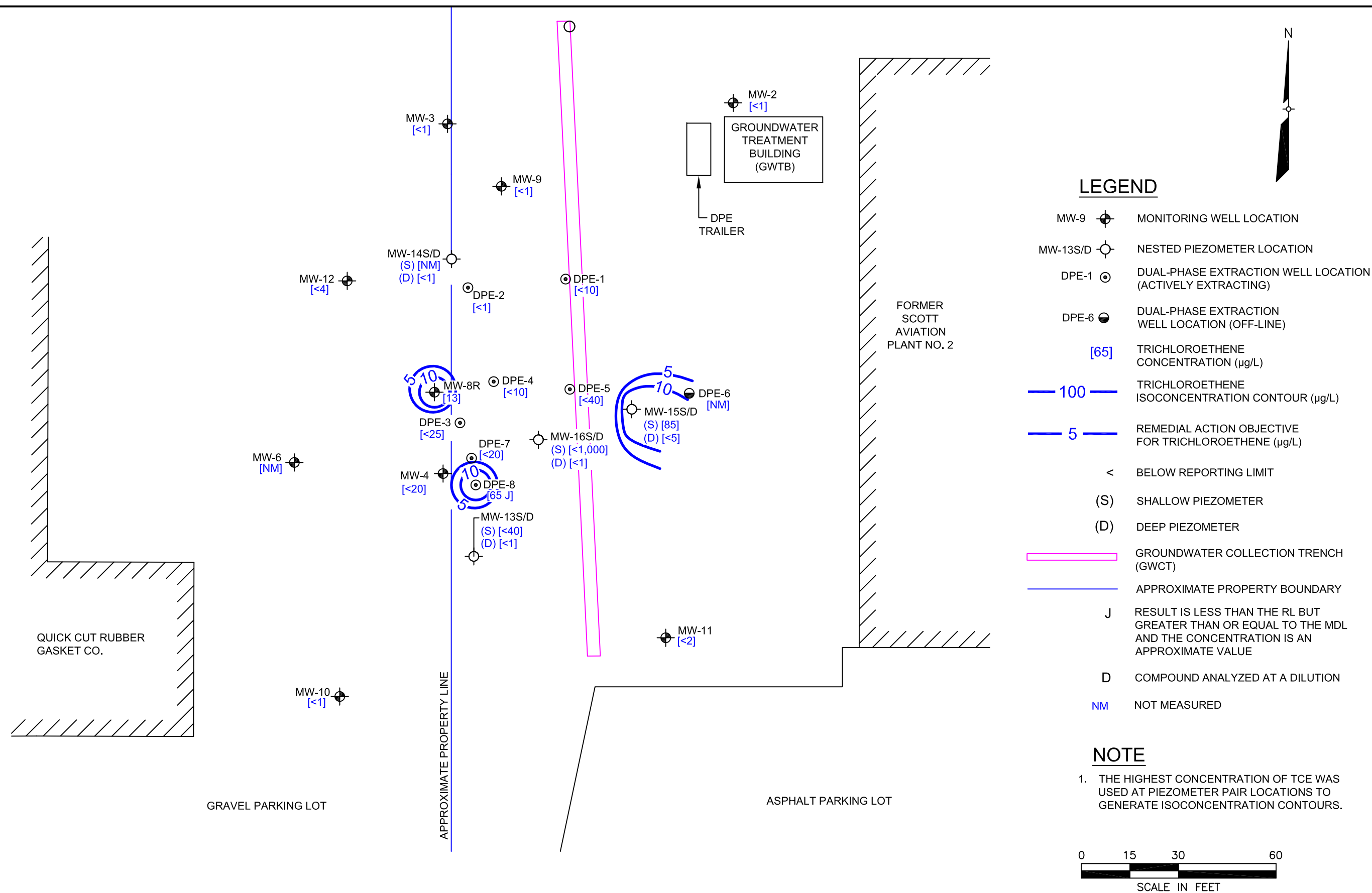


FIGURE 13
TRICHLOROETHENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

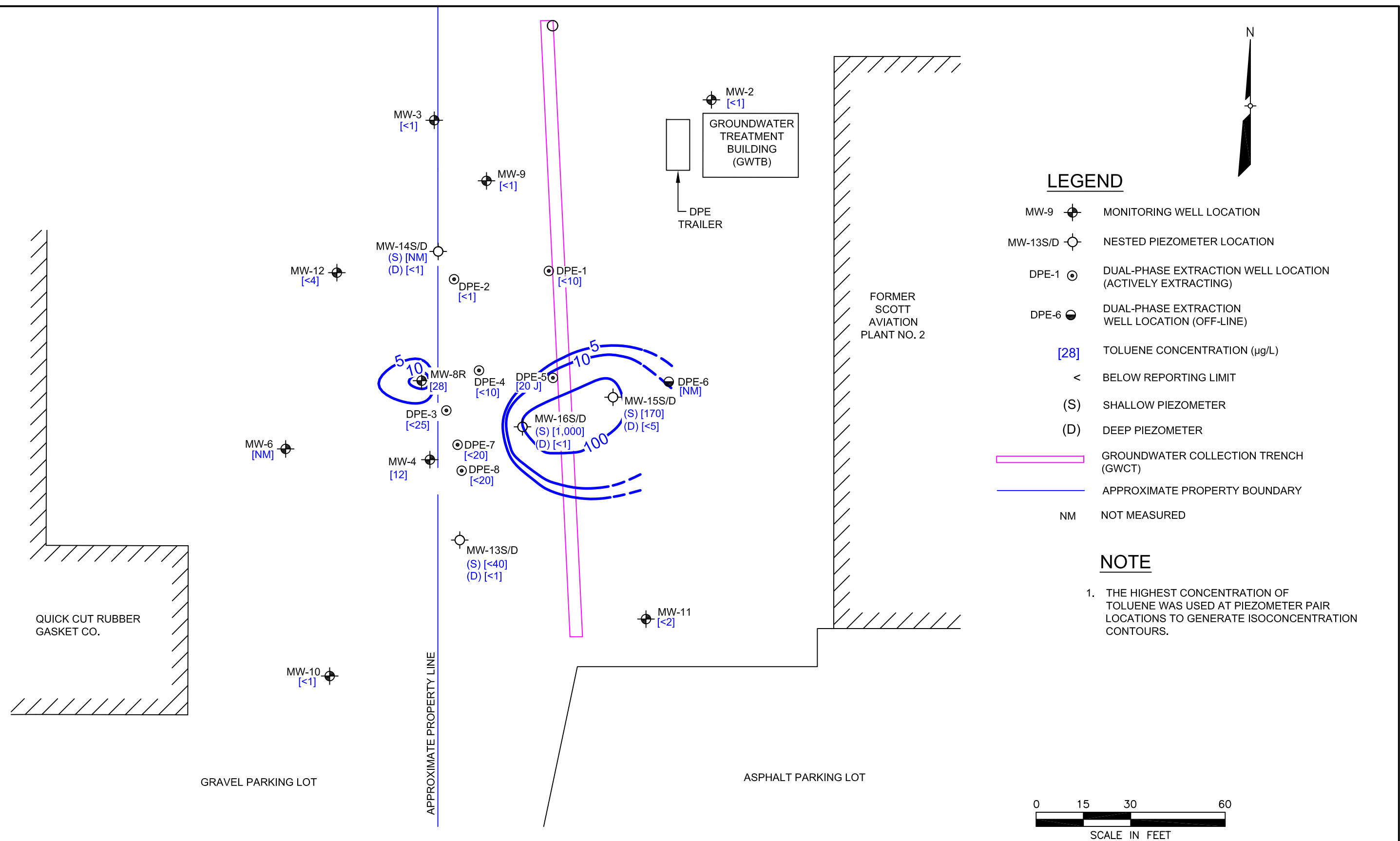
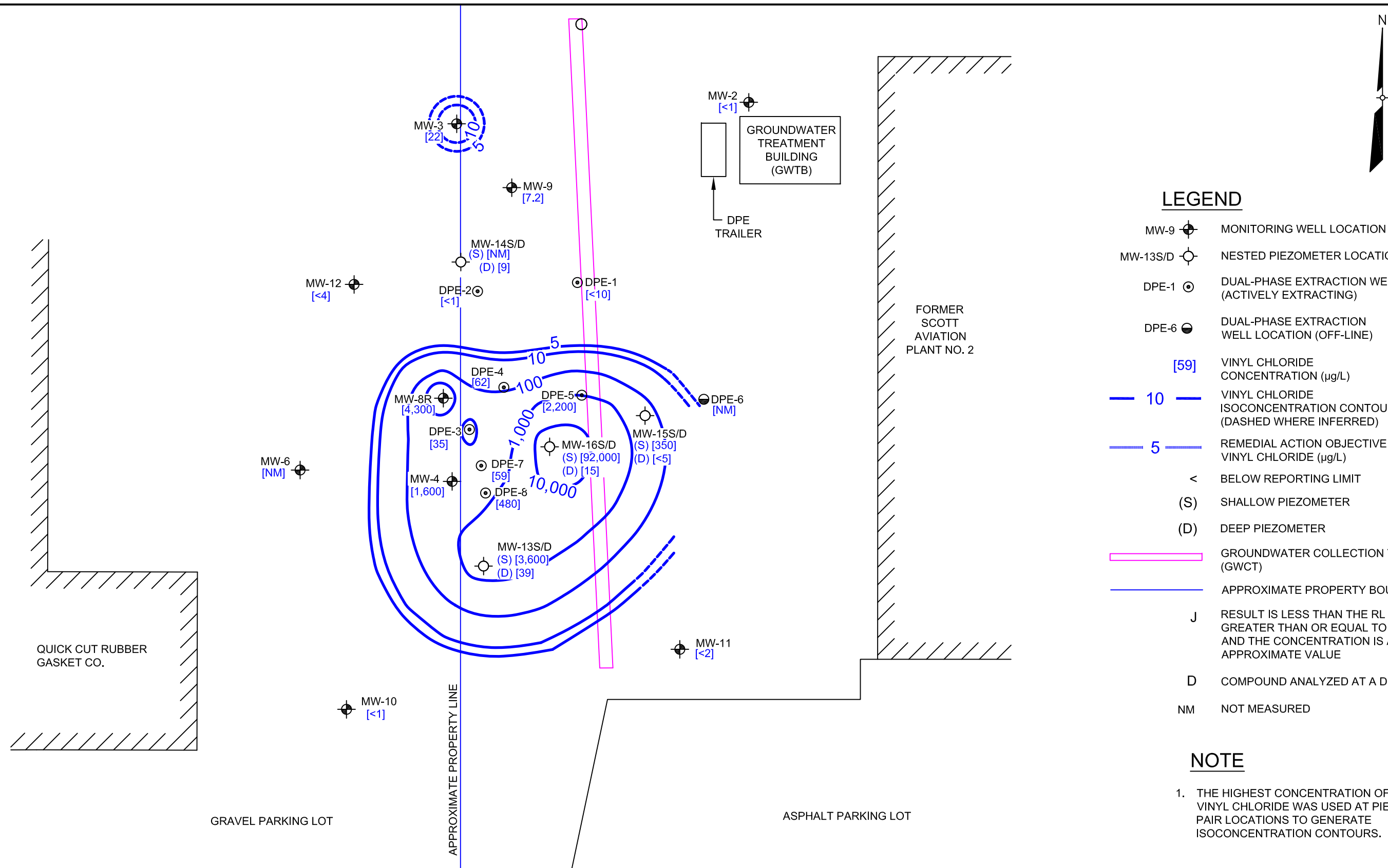


FIGURE 14
TOLUENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

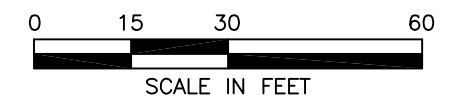


LEGEND

MW-9	MONITORING WELL LOCATION
MW-13S/D	NESTED PIEZOMETER LOCATION
DPE-1	DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
DPE-6	DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
[59]	VINYL CHLORIDE CONCENTRATION ($\mu\text{g/L}$)
10	VINYL CHLORIDE ISOCONCENTRATION CONTOUR ($\mu\text{g/L}$) (DASHED WHERE INFERRED)
5	REMEDIAL ACTION OBJECTIVE FOR VINYL CHLORIDE ($\mu\text{g/L}$)
<	BELOW REPORTING LIMIT
(S)	SHALLOW PIEZOMETER
(D)	DEEP PIEZOMETER
	GROUNDWATER COLLECTION TRENCH (GWCT)
	APPROXIMATE PROPERTY BOUNDARY
J	RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE
D	COMPOUND ANALYZED AT A DILUTION
NM	NOT MEASURED

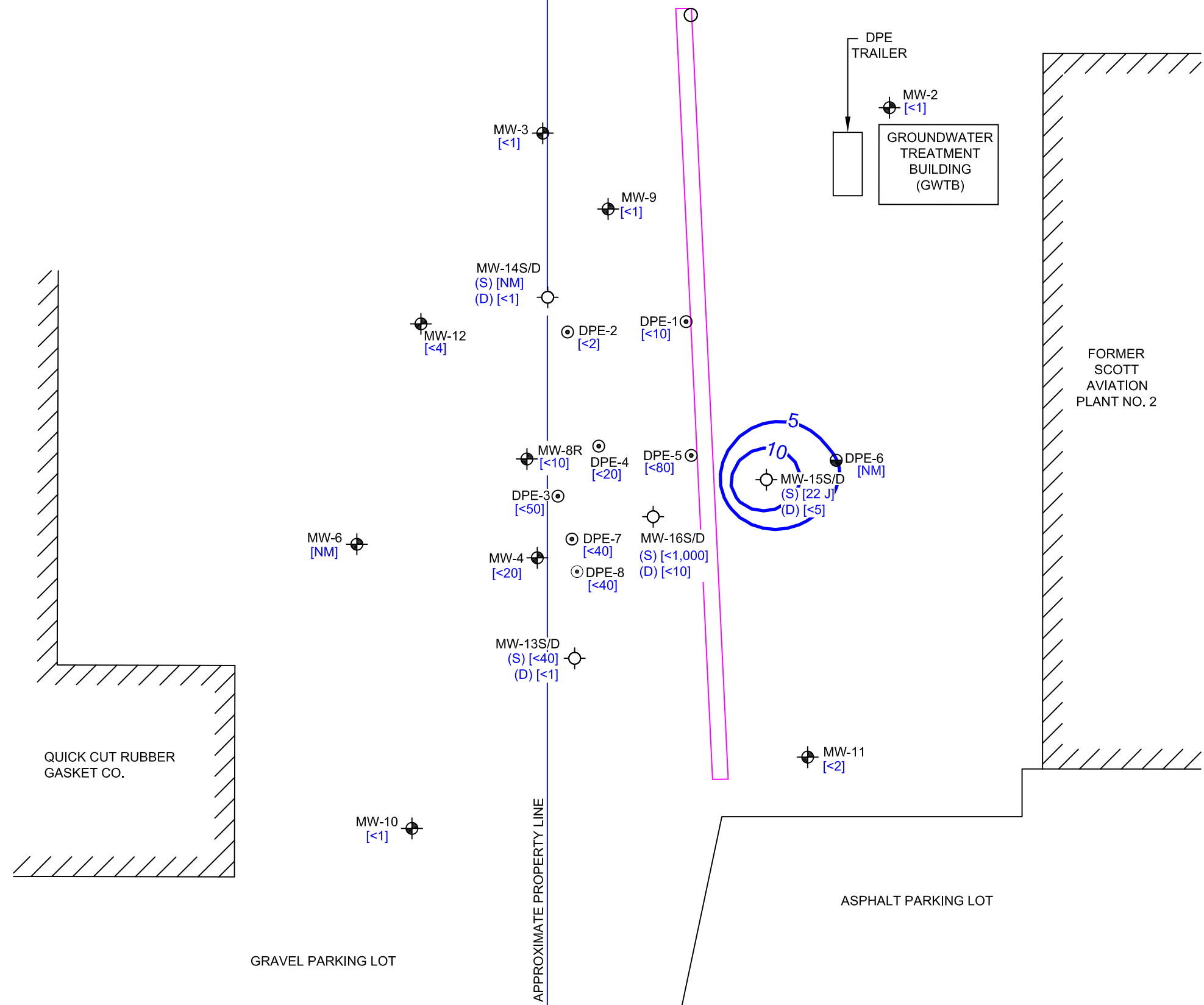
NOTE

1. THE HIGHEST CONCENTRATION OF VINYL CHLORIDE WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.



AECOM

FIGURE 15
VINYL CHLORIDE ISOCONCENTRATION
CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

- MW-9 MONITORING WELL LOCATION
- MW-13S/D NESTED PIEZOMETER LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [22] XYLENES CONCENTRATION (µg/L)
- < BELOW REPORTING LIMIT
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- J RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- NM NOT MEASURED

NOTE

1. THE HIGHEST CONCENTRATION OF XYLENES WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.

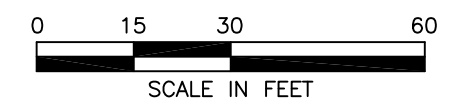


FIGURE 16
XYLENES ISOCONCENTRATION
CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

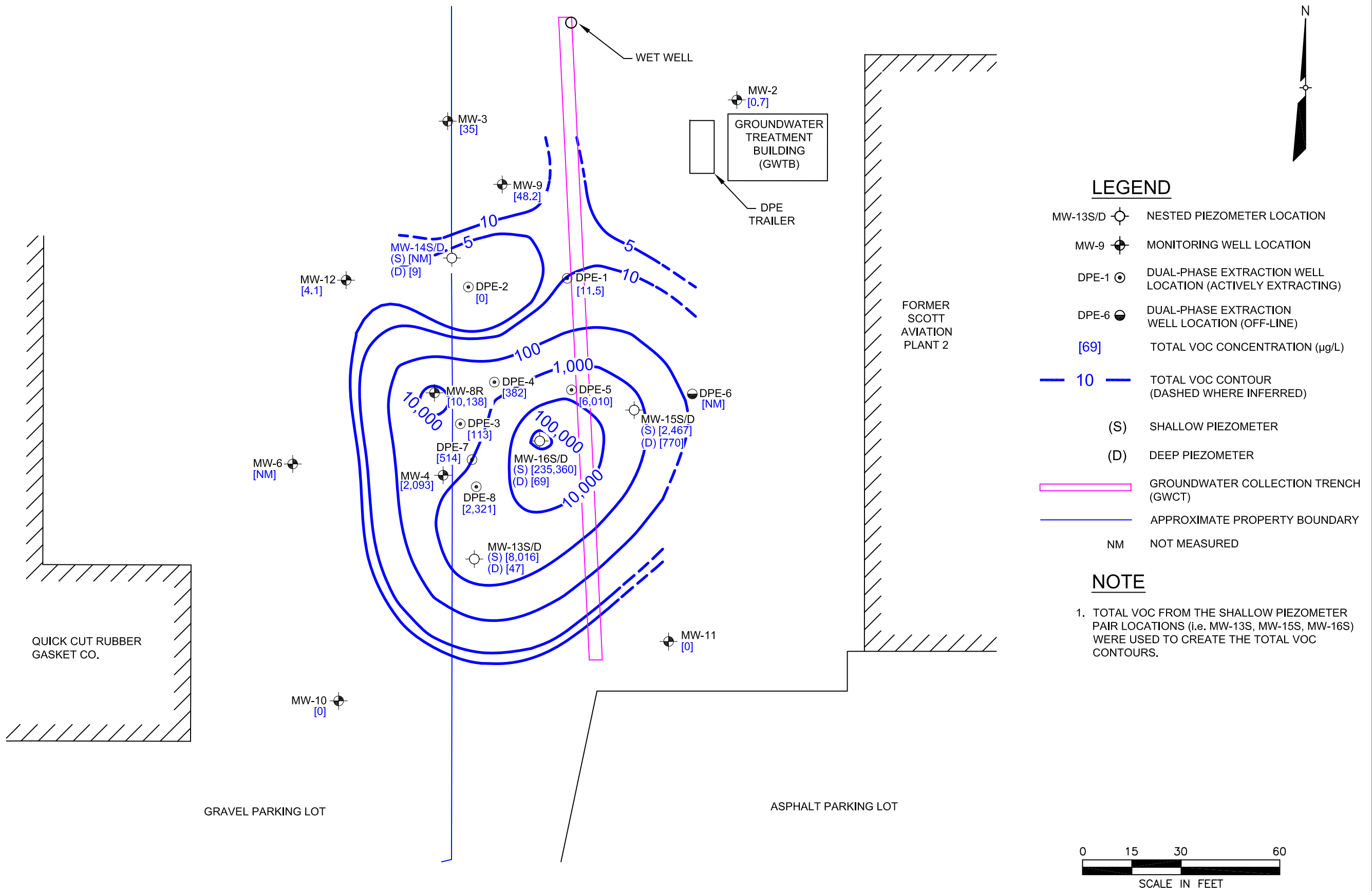


FIGURE 17
TOTAL VOLATILE ORGANIC COMPOUNDS IN
ISOCONCENTRATION CONTOUR MAP
APRIL 2018
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Tables

Table 1

**Remedial Action Objectives
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Volatile Organic Compounds	Remedial Action Objectives*	
	Soil (mg/kg)	Groundwater (µg/L)
1,1,1-Trichloroethane	1	5
1,1-Dichloroethane	1	5
1,2-Dichloroethene	1	5
Chloroethane	1	5
Ethylbenzene	1	5
Trichloroethene	1	5
Toluene	1	5
Vinyl chloride	1	5
Xylenes	1	5
Total VOCs	10	NA

Notes:

mg/kg - milligrams per kilogram

µg/L - micrograms per liter

NA - not applicable

* Based on values presented in site-specific ROD (November 1994).

Table 2

**Monitoring Well, Nested Piezometer, and Dual-Phase Extraction Well Construction
Specifications
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Well ID	Date Installed	Top of Casing Elevation (ft AMSL)	Well Diameter (inches)	Bottom of Boring (ft bgs)	Screen Length (ft)	Well Screen Interval (ft bgs)	Filter Sand Pack Interval (ft bgs)	Bentonite Seal Interval (ft bgs)
Monitoring Wells								
MW-1	(1)	NA	NA	NA	NA	NA	NA	NA
MW-2	05/24/91	687.00	2.0	15.0	10	5.0 - 15.0	4.0 - 15.0	1.0 - 4.0
MW-3	05/19/91	687.05	2.0	26.0	15	11.0 - 26.0	9.0 - 26.0	5.0 - 9.0
MW-4	05/23/91	656.50	2.0	26.0	10	16.0 - 26.0	14.0 - 26.0	11.0 - 14.0
MW-5	(1)	NA	NA	NA	NA	NA	NA	NA
MW-6	03/17/04	686.46	2.0	26.0	10	16.0 - 26.0	14.0 - 16.0	11.5 - 14.0
MW-7	(2)	NA	NA	NA	NA	NA	NA	NA
MW-8R	02/17/04	686.29	2.0	28.0	10	14.0 - 24.0	13.0 - 24.5	12.0 - 13.0
MW-9	04/11/99	689.57	2.0	25.4	20	5.4 - 25.4	4.0 - 25.4	2.0 - 4.0
MW-10	04/11/99	687.70	2.0	24.4	20	4.4 - 24.4	3.0 - 4.4	1.0 - 3.0
MW-11	03/01/04	688.61	2.0	29.0	20	8.5 - 28.5	7.5 - 29.0	6.5 - 7.5
MW-12	03/17/04	686.19	2.0	27.5	20	7.0 - 27.0	6.0 - 27.5	5.0 - 6.0
Nested Piezometers								
MW-13S	03/03/04	686.65	1.0	24.0	8	8.5 - 16.5	7.5 - 17.0	6.5 - 7.5
MW-13D	03/03/04	686.75	1.0	24.0	4	19.5 - 23.5	19.0 - 24.0	17.0 - 19.0
MW-14S	03/04/05	685.74	1.0	24.0	8	8.5 - 16.5	7.5 - 16.75	6.5 - 7.5
MW-14D	03/04/05	685.88	1.0	24.0	5	18.5 - 23.5	18.25 - 24.0	16.75 - 18.25
MW-15S	03/02/05	687.17	1.0	28.0	6	12.0 - 18.0	11.0 - 12.0	10.0 - 11.0
MW-15D	03/02/05	687.87	1.0	28.0	4	21.0 - 25.0	20.5 - 28.0	18.5 - 20.5
MW-16S	03/03/05	688.15	1.0	24.0	6	12.0 - 18.0	11.0 - 18.25	10.0 - 11.0
MW-16D	03/03/05	688.16	1.0	24.0	4	20.0 - 24.0	19.75 - 24.0	18.25 - 19.75
Dual-Phase Extraction Recovery Wells								
DPE-1	02/17/04	687.17	4.0	18.5	5	13.0 - 18.0	12.0 - 18.5	11.0 - 12.0
DPE-2	02/19/04	685.32	4.0	26.0	5	18.5 - 23.5	18.0 - 26.0	17.0 - 18.0
DPE-3	02/18/04	685.98	4.0	18.0	8	8.5 - 16.5	8.0 - 18.0	7.0 - 8.0
DPE-4	(3)	686.00	2.0	27.7	20	7.7 - 27.7	6.0 - 27.7	4.0 - 6.0
DPE-5	02/16/04	686.00	4.0	18.3	6	12.0 - 18.0	11.0 - 18.3	10.0 - 11.0
DPE-6	02/16/04	687.53	4.0	18.3	6	12.0 - 18.0	11.0 - 18.3	10.0 - 11.0
DPE-7	02/19/04	685.92	4.0	26.0	4	19.5 - 23.5	19.0 - 26.0	18.0 - 19.0
DPE-8	02/18/04	686.03	4.0	17.0	8	8.5 - 16.5	8.0 - 17.0	7.0 - 8.0

Notes:

ft bgs - feet below ground surface

ft AMSL - feet above mean sea level

MW-# - Monitoring Well

DPE-# - Dual-Phase Extraction Recovery Well

(1) MW-1 and MW-5 are not monitored for this project.

(2) MW-7 was abandoned in November 2003 per Section 3.7 of the Remedial Design Work Plan.

(3) Pre-existing monitoring well MW-8 (installed 04/11/99) was converted to DPE-4 in February 2004.

NA - Information is not available.

Table 3

Summary of the Groundwater Monitoring Program - July 2017 through April 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Locations Sampled	Locations Sampled			
Quarterly Groundwater Monitoring					
July 2017	20	MW-2	MW-3	MW-4	MW-6
		MW-8R	MW-10	MW-11	MW-12
		MW-13S	MW-13D	MW-16S	MW-16D
		DPE-1	DPE-2	DPE-3	DPE-4
		DPE-5	DPE-7	DPE-8	GWCT
October 2017	20	MW-2	MW-3	MW-4	MW-6
		MW-8R	MW-10	MW-11	MW-12
		MW-13S	MW-13D	MW-16S	MW-16D
		DPE-1	DPE-2	DPE-3	DPE-4
		DPE-5	DPE-7	DPE-8	GWCT
January 2018	20	MW-2	MW-3	MW-4	MW-6
		MW-10	MW-11	MW-13S	MW-13D
		MW-16S	MW-16D	DPE-1	DPE-2
		DPE-4	DPE-5	DPE-7	DPE-8
		GWCT			
Comprehensive Annual Groundwater Monitoring					
April 2018	25	MW-2	MW-3	MW-4	MW-8R
		MW-9	MW-10	MW-11	MW-12
		MW-13S	MW-13D	MW-14D	MW-15S
		MW-15D	MW-16S	MW-16D	DPE-1
		DPE-2	DPE-3	DPE-4	DPE-5
		DPE-7	DPE-8	GWCT	

Table 4

Groundwater Monitoring Water Level Data - April 16, 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.00	5.12	681.88
MW-3	687.05	9.58	677.47
MW-4	686.50	10.55	675.95
MW-6	686.46	NM	NM
MW-8R	686.29	10.05	676.24
MW-9	689.57	13.20	676.37
MW-10	687.70	7.00	680.70
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Nested Piezometers			
MW-13S	686.65	4.20	682.45
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MW-15S	687.17	0.00	687.17
MW-15D	687.87	11.70	676.17
MW-16S	688.15	6.71	681.44
MW-16D	688.16	11.67	676.49
Remedial System			
GWCT Manhole (rim)	687.22	22.05	665.17
DPE Wells			
DPE-1	687.17	15.70	671.47
DPE-2	685.32	14.40	670.92
DPE-3	685.98	2.30	683.68
DPE-4	686.00	21.00	665.00
DPE-5	686.91	8.35	678.56
DPE-7	685.92	13.20	672.72
DPE-8	686.03	2.00	684.03

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

NM - Not Measured

GWCT - Groundwater Collection Trench

GWCT is 200 feet long with a 0.01 foot/foot slope to the manhole

Locations re-surveyed on February 23, 2016

Table 5

Summary of Monitoring Well Analytical Data - April 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	MW-2	MW-3	MW-4	MW-8R	MW-9	MW-10	MW-11	MW-12
Date Collected	RAO/NYCRR	04/17/18	04/17/18	04/17/18	04/18/18	04/17/18	04/17/18	04/18/18	04/18/18
Lab Sample ID	Objective	480-134541-1	480-134541-2	480-134541-3	480-134541-4	480-134541-15	480-134541-4	480-134541-5	480-134541-4
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	< 1.0 U	10	11 J	53	29	< 1.0 U	< 2.0 U	< 4.0 U
1,1-Dichloroethene	5	< 1.0 U	< 1.0 U	< 20.0 U	27	< 1.0 U	< 1.0 U	< 2.0 U	< 4.0 U
1,2-Dichloroethane	0.6	< 1.0 U	0.22 J	< 20.0 U	< 10.0 U	0.58	< 1.0 U	< 2.0 U	< 4.0 U
2-Butanone (MEK)	50	< 10 U	< 1.0 U	< 20.0 U	< 10.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 4.0 U
Acetone	50	< 10 U	< 1.0 U	< 20.0 U	< 10.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 4.0 U
Chloroethane	5*	0.65 J	1.3	440	44	< 1.0 U	< 1.0 U	< 2.0 U	4.1
cis-1,2-Dichloroethene	5*	< 1.0 U	1.9	30	5,700	12	< 1.0 U	< 2.0 U	< 4.0 U
Methylene Chloride	5	< 1.0 U	< 1.0 U	< 20.0 U	4.7 J	< 1.0 U	< 1.0 U	< 2.0 U	< 4.0 U
Toluene	5*	< 1.0 U	< 1.0 U	12	28	< 1.0 U	< 1.0 U	< 2.0 U	< 4.0 U
Trichloroethene	5*	< 1.0 U	< 1.0 U	< 20.0 U	13	< 1.0 U	< 1.0 U	< 2.0 U	< 4.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	< 20.0 U	22	< 1.0 U	< 1.0 U	< 2.0 U	< 4.0 U
Vinyl chloride	5*	< 1.0 U	22	1,600	4,300	7.2	< 1.0 U	< 2.0 U	< 4.0 U
Xylenes, Total	5*	< 1.0 U	< 1.0 U	< 20.0 U	< 10.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 4.0 U
Total Volatile Organic Compounds	NL	0.7	35	2,093	10,191.7	48.8	0.0	0.0	4.1

Table 5

Summary of Monitoring Well Analytical Data - April 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	MW-13S	MW-13D	MW-14D	MW-15S	MW-15D	MW-16S	MW-16D
Date Collected	RAO/NYCRR	04/17/18	04/18/18	04/18/18	04/18/18	04/18/18	04/18/18	04/18/18
Lab Sample ID	Objective	480-134541-11	480-134541-13	480-134541-16	480-134541-17	480-134541-18	480-134541-7	480-134541-10
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane	5*	16 J	< 1.0 U	< 1.0 U	750	< 5.0 U	960 J	0.78 J
1,1-Dichloroethene	5	47	< 1.0 U	< 1.0 U	12 J	< 5.0 U	860 J	< 1.0 U
1,2-Dichloroethane	0.6	< 40.0 U	< 1.0 U	< 1.0 U	< 20.0 U	< 5.0 U	< 1,000 U	< 1.0 U
2-Butanone (MEK)	50	< 40.0 U	< 1.0 U	< 1.0 U	78 J	< 5.0 U	< 1,000 U	< 1.0 U
Acetone	50	< 40.0 U	< 1.0 U	< 1.0 U	320	< 5.0 U	< 1,000 U	< 1.0 U
Chloroethane	5*	< 40.0 U	6.5	< 1.0 U	190	770	1,400	52
cis-1,2-Dichloroethene	5*	4,400	1.0	< 1.0 U	900	< 5.0 U	140,000	1.5
Methylene Chloride	5	< 40.0 U	< 1.0 U	< 1.0 U	12 J	< 5.0 U	< 1,000 U	< 1.0 U
Toluene	5*	< 40.0 U	< 1.0 U	< 1.0 U	170	< 5.0 U	1,000	< 1.0 U
Trichloroethene	5*	< 40.0 U	< 1.0 U	< 1.0 U	85	< 5.0 U	< 1,000 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 40.0 U	< 1.0 U	< 1.0 U	< 20.0 U	< 5.0 U	< 1,000 U	< 1.0 U
Vinyl chloride	5*	3,600	39	9.0	350	< 5.0 U	92,000	15
Xylenes, Total	5*	< 40.0 U	< 1.0 U	< 1.0 U	22 J	< 5.0 U	< 1,000 U	< 10 U
Total Volatile Organic Compounds	NL	8,063	47	9	2,889	800	236,220	69

Notes:

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit. Concentrations within this range are estimated.

U - Not detected at or above reporting limit.

NL - Not listed

Note MW-6 and MW-14S were not sampled due to damage and flooding respectively.

Table 6

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

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objective	GWCT Manhole 07/24/15 480-84562-15	GWCT Manhole 10/19/15 480-89674-20	GWCT Manhole 01/05/16 480-93630-15	GWCT Manhole 04/04/16 480-84562-15	GWCT Manhole 07/05/16 480-102662-4	GWCT Manhole 10/27/16 480-108538-2	GWCT Manhole 01/16/17 480-112334-8	GWCT Manhole 04/20/17 480-116720-15	GWCT Manhole 07/11/17 480-121042-15	GWCT Manhole 10/23/17 480-126420-1	GWCT Manhole 01/08/18 480-129995-13	GWCT Manhole 04/13/18 480-134234-8
Volatile Organic Compounds by Method 8260 (µg/L)													
1,1-Dichloroethane	5*	1.3	0.7	< 1.0 U	0.4 J	< 1.0 U	< 1.0 U	< 1.0 U	0.74 J	< 1.0 U	< 1.0 U	< 1.0 U	0.52 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	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	50	7.0 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 10 U	< 10 U	< 10 U	10 J
Chloroethane	5*	< 1.0 U	< 1.0 U	62	44	70	34	45	26	65	45	64	53
cis-1,2-Dichloroethene	5*	1.1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.74 J	< 1.0 U	< 1.0 U	5.1	< 1.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.19 J	< 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	< 1.0 U	0.25 J	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.34 J	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	0.67 J	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	12.8	0.7	63	44	70	34	45	27	65	45	69	64

Notes:

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

NA - Not applicable

Table 7

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

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objective	DPE-1 04/17/14 480-58303-1	DPE-1 04/06/16 480-97989-10	DPE-1 07/06/16 480-102662-9	DPE-1 10/27/16 480-108538-3	DPE-1 01/16/17 480-112334-10	DPE-1 04/18/17 480-116720-17	DPE-1 07/11/17 480-121042-17	DPE-1 10/19/17 480-126348-2	DPE-1 01/10/18 480-129995-14	DPE-1 04/13/18 480-134234-1
Volatile Organic Compounds by Method 8260 (µg/L)											
1,1,1-Trichloroethane	5*	10 U	20 U	10 U	5.0 U	20 U	7.7	1.0 U	1.0 U	1.0 U	10 U
1,1-Dichloroethane	5*	69	130	10 U	21	20	5.0 U	2.8	2.4	67	5.8 J
1,1-Dichloroethene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	0.98 J	10 U
1,2-Dichloroethane	0.6	10 U	20 U	10 U	1.1 J	20 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U
2-Butanone (MEK)	50	140	200 U	100 U	24 J	200 U	50 U	10	33 J	58	50 J
2-Hexanone	50	50 U	100 U	50 U	25 U	100 U	25 U	5.0 U	5.0 U	2.6 J	50 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	100 U	50 U	25 U	100 U	25 U	5.0 U	5.0 U	5.0 U	50 U
Ethylbenzene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	0.51 J	2.3	10 U
Acetone	50	310	200 U	100 U	64	65 J	50 U	36	84	160	210
Benzene	1	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.6	10 U
Carbon Disulfide	60	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	5.7	1.0	10 U
Chloroethane	5*	15	20 U	10 U	9.2	15 J	24	4.1	7.6	20	5.7 J
Chloromethane	5	10 U	18 J	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U
cis-1,2-Dichloroethene	5*	71	130	10 U	25	16 J	12	2.4	5.3	58	10 U
Methylene Chloride	5	10 U	20 U	10 U	4.3 J	20 U	5.0 U	1.0 U	5.0 U	1.0 U	10 U
Toluene	5*	18	29	10 U	5.7	20 U	3.8 J	0.74 J	3.6	14	10 U
trans-1,2-Dichloroethene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.0	10 U
Trichloroethene	5*	23	18 J	10 U	4.7 J	20 U	1.3 J	1.0 U	1.0 U	10	10 U
Vinyl chloride	5*	15	31	10 U	6.8	20 U	5.0 U	5.0 U	1.1	15	10 U
Xylenes, Total	5	20 U	40 U	20 U	10 U	40 U	10 U	2.0 U	2.0 U	6.9	10 U

Notes:

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

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

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

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

Sample ID	Groundwater	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Date Collected	RAO/ NYCRR	04/17/14	04/06/16	07/06/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18	04/13/18
Lab Sample ID	Objective	480-58303-6	480-97989-11	480-102662-8	480-112334-11	480-116720-18	480-121042-18	480-126420-7	480-129995-15	480-134234-2
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1,1-Trichloroethane	5*	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5*	4.4	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	50 U	50 U	50 U	3.2 J	50 U	10 U	10 U	10 U	10 U
2-Hexanone	50	25 U	25 U	25 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	NL	25 U	25 U	25 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	50	50 U	50 U	50 U	10 U	50 U	6.0 J	3.4 J	10 U	10 U
Benzene	1	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	60	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	0.33 J	1.0 U	1.0 U	1.0 U
Chloroethane	5*	5.0 U	5.0 U	5.0 U	2.5	3.5 J	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.7	3.2 J	11	1.0 U
cis-1,2-Dichloroethene	5*	240	5.0 U	5.0 U	1.0 U	2.4 J	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	0.51 J	5.0 U	1.0 U	1.0 U	5.2	1.0 U
Toluene	5*	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	5.9	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	5*	54	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	0.85 J	1.7	1.0 U
Xylenes, Total	5*	5.0 U	5.0 U	10 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

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

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

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

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

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objective	DPE-3 04/17/14 480-58303-2	DPE-3 07/24/15 480-84562-16	DPE-3 10/21/15 480-89674-15	DPE-3 04/06/16 480-97989-12	DPE-3 07/07/16 480-102824-3	DPE-3 10/27/16 480-108538-4	DPE-3 01/16/17 480-112334-12	DPE-3 04/18/17 480-116720-19	DPE-3 07/11/17 480-121042-19	DPE-3 10/24/17 480-126420-15	DPE-3 01/10/18 NS	DPE-3 04/13/18 480-134234-2
Volatile Organic Compounds by Method 8260 (µg/L)													
1,1,1-Trichloroethane	5*	43	10 U	20 U	5.0 U	10 U	5.0 U	20 U	5.4	20 U	20 U	NS	25 U
1,1-Dichloroethane	5*	42	24	20 U	5.0 U	10 U	5.0 U	20 U	14	92	34	NS	25 U
1,1-Dichloroethene	5	26	3.1 J	20 U	5.0 U	10 U	5.0 U	20 U	20	53	11 J	NS	25 U
1,2-Dichloroethane	0.6	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS	25 U
2-Butanone (MEK)	50	100 U	610	220	50 U	100 U	50 U	200 U	10	200 U	1,000 U	NS	250 U
2-Hexanone	50	50 U	50 U	100 U	25 U	50 U	25 U	100 U	5 U	100 U	100 U	NS	125 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	50 U	100 U	25 U	50 U	25 U	100 U	5 U	100 U	100 U	NS	125 U
Ethylbenzene	5	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS	25 U
Acetone	50	50 U	110	110 J	50 U	100 U	50 U	200 U	28	200 U	500 U	NS	250 U
Benzene	1	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS	25 U
Carbon Disulfide	60	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	0.5 J	20 U	20 U	NS	25 U
Chloroethane	5*	10 U	23	20 U	5.0 U	10 U	5.0 U	20 U	5.5	20 U	14 J	NS	25 U
Chloromethane	5	10 U	10 U	20 U	5.0 U	10 U	6	20 U	1.0 U	20 U	20 U	NS	25 U
cis-1,2-Dichloroethene	5*	2,700	650	70	18	8.7 J	5.0 U	20 U	4,300	11,000	1,700	NS	78
Methylene Chloride	5	10 U	6.1 J	20 U	7.5	10 U	5.0 U	20 U	1.0 U	20 U	100 U	NS	25 U
Toluene	5*	8.0 J	8.4 J	20 U	5.0 U	10 U	5.0 U	20 U	4.1	12 J	20 U	NS	25 U
trans-1,2-Dichloroethene	5	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	68	22	19 J	NS	25 U
Trichloroethene	5*	6,500	10 U	20 U	5.0 U	10 U	3.1 J	20 U	190	69	430	NS	25 U
Vinyl chloride	5*	120	240	20 U	12	43	10	45	480	10,000	430	NS	35
Xylenes, Total	5	20 U	20 U	20 U	10 U	20 U	10 U	40 U	2.0 U	40 U	40 U	NS	50 U

Notes:

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

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

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

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

Sample ID	Groundwater	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18	04/13/18
Lab Sample ID	Objective	480-58303-3	480-84562-17	480-89674-16	480-102662-10	480-108538-5	480-112334-13	480-116720-20	480-121042-19	480-126420-8	480-12995-16	480-134234-4
Volatile Organic Compounds by Method 8260 (µg/L)												
1,1,1-Trichloroethane	5*	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U
1,1-Dichloroethane	5*	8.1	130	450	400 U	2.5	100 U	20	NS	22 J	50 U	10 U
1,1-Dichloroethene	5	10 U	30	460	400 U	1.0 U	100 U	17 J	NS	34 J	50 U	10 U
1,2-Dichloroethane	0.6	10 U	2.2 J	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U
2-Butanone (MEK)	50	50 U	65 J	1,000 U	4,000 U	10 U	1,000 U	200 U	NS	2,500 U	500 U	100 U
2-Hexanone	50	50 U	50 U	500 U	2,000 U	5 U	500 U	100 U	NS	2,500 U	250 U	50 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	50 U	500 U	2,000 U	5 U	500 U	100 U	NS	2,500 U	250 U	50 U
Ethylbenzene	5	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U
Acetone	50	50 U	46 J	1,000 U	4,000 U	6.9 J	1,000 U	200 U	NS	1,300 U	190 J	100 U
Benzene	1	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U
Carbon Disulfide	60	10 U	3.4 J	100 U	400 U	2.1	100 U	20 U	NS	50 U	50 U	10 U
Chloroethane	5*	10 U	49	110	400 U	4.6	100 U	8 J	NS	50 U	50 U	10 U
Chloromethane	5	10 U	10 U	230	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U
cis-1,2-Dichloroethene	5*	510	30,000	130,000	25,000	130	4,300	4,400	NS	6,000	2,100	320
Methylene Chloride	5	10 U	8.1 J	100 U	260 J	5.7 J	81 J	20 U	NS	250 U	320	10 U
Toluene	5*	10 U	28	140	400 U	1.0 U	100 U	7 J	NS	50 U	50 U	10 U
trans-1,2-Dichloroethene	5	10 U	36	100 U	400 U	1.0 U	100 U	76	NS	50 U	50 U	10 U
Trichloroethene	5*	630	93	120	400	1.4	100 U	120	NS	13 J	47 J	10 U
Vinyl chloride	5*	31	4,700	37,000	12,000	44	1,100	1,400	NS	3,700	430	62
Xylenes, Total	5	50 U	50 U	500 U	200 U	5 U	500 U	100 U	NS	150 U	100 U	20 U

Notes:

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

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

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

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

Sample ID	Groundwater	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/19/17	01/10/18	04/13/18
Lab Sample ID	Objective	480-58303-4	480-84562-18	480-89674-17	480-102662-13	480-108538-6	480-112334-14	480-116720-21	480-121042-21	480-126348-1	480-129995-17	480-134234-5
Volatile Organic Compounds by Method 8260 (µg/L)												
1,1,1-Trichloroethane	5*	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	1.0 U	10 U	40 U
1,1-Dichloroethane	5*	160	30	59	17	110	150	44	45	100	66	140
1,1-Dichloroethene	5	2.9 J	10 U	10 U	10 U	10 U	82	20 U	8.0 U	1.0 U	10 U	15 J
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U	9.3 J	50 U	20 U	8.0 U	1.0 U	10 U	40 U
2-Butanone (MEK)	50	26 J	330	660	78 J	100 U	500 U	200 U	80 U	240	21 J	400 U
2-Hexanone	50	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	5.0 U	50 U	200 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	5.0 U	50 U	200 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	1.8 U	10 U	40 U
Acetone	50	120	240	340	120	180	160 J	200 U	200	25 U	90 J	120 J
Benzene	1	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	0.52 J	10 J	40 J
Carbon Disulfide	60	10 U	10 U	10 U	10 U	10 U	50 U	20 U	12	3.0	3.1 J	40 J
Chloroethane	5*	46	51	81	87	120	130	38	60	84	80	150
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	20 U	8.0 U	1.0 U	10 U	40 U
cis-1,2-Dichloroethene	5*	320	410	610	120	2,800	33,000	2,000	290	1,400	480	3,500
Methylene Chloride	5	10 U	4.5 J	10 U	10 U	10 U	26 J	20 U	8.0 U	5.0 U	10 U	40 U
Toluene	5*	30	11	9.2	10 U	12	37 J	7.8 J	8.0 U	5.7	9.6 J	20 J
trans-1,2-Dichloroethene	5	10 U	11	20	10 U	10 U	10 U	24	8.0 U	22	10	40 U
Trichloroethene	5*	160	10 U	10 U	10 U	14	250	5.5 J	8.0 U	1.0 U	6.7 J	40 U
Vinyl chloride	5*	71	180	170	71	1,600	6,400	570	190	1,600	250	2,200
Xylenes, Total	5	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	2.3 J	20 U	80 U

Notes:

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

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

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

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

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objective	DPE-7 04/17/14 480-58303-5	DPE-7 07/24/15 480-84562-19	DPE-7 10/21/15 480-89674-18	DPE-7 07/07/16 480-102824-4	DPE-7 10/27/16 480-108538-7	DPE-7 01/16/17 480-112334-15	DPE-7 04/18/17 480-116720-23	DPE-7 07/11/17 480-121042-22	DPE-7 10/23/17 480-126420-5	DPE-7 01/10/18 480-129995-18	DPE-7 04/13/18 480-134234-6
Volatile Organic Compounds by Method 8260 (µg/L)												
1,1,1-Trichloroethane	5*	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U
1,1-Dichloroethane	5*	460	250	390	63	20 U	91	120	45	67	10 U	65
1,1-Dichloroethene	5	47 J	12 J	20 U	20 U	20 U	20 U	0.48 J	20 U	1.0 U	10 U	20 U
1,2-Dichloroethane	0.6	10 U	20 U	20 U	20 U	20 U	20 U	0.41 J	20 U	1.0 U	10 U	20 U
2-Butanone (MEK)	50	50 U	150 J	940	530	210	270	280	120 J	67	100 U	130 J
2-Hexanone	50	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	50 U	100 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	50 U	100 U
Ethylbenzene	5	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U
Acetone	50	50 U	1,100	530	230	130 J	140 J	150	130 J	30	100 U	81 J
Benzene	1	10 U	20 U	20 U	20 U	20 U	20 U	1.0	20 U	0.66 J	10 U	20 U
Carbon Disulfide	60	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U
Chloroethane	5*	11	27	260	260	110	530	360	450	340	340	390
Chloromethane	5	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U
cis-1,2-Dichloroethene	5*	11,000	820	680	26	27	20 U	67	20 U	1.3	10	20 U
Methylene Chloride	5	10 U	11 J	20 U	20 U	20 U	12 J	1.0 U	20 U	5.0 U	10 U	25
Toluene	5*	10 U	20 U	20 U	20 U	20 U	20 U	5.8	20 U	2.0	10 U	20 U
trans-1,2-Dichloroethene	5	10 U	20 U	20 U	20 U	20 U	20 U	4.1 J	20 U	1.3	10 U	20 U
Trichloroethene	5*	1,300	20 U	12 J	20 U	20 U	20 U	0.93 J	20 U	0.46 J	10 U	20 U
Vinyl chloride	5*	580	470	780	300	20 U	50	270	110	25	10 U	59
Xylenes, Total	5	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	20 U	40 U

Notes:

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

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

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

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

Sample ID	Groundwater	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8
Date Collected	RAO/ NYCRR	07/24/15	10/21/15	07/07/16	10/27/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18	04/13/18
Lab Sample ID	Objective	480-84562-20	480-89674-19	480-102824-5	480-108538-1	480-112334-16	480-116720-24	480-121042-20	480-126420-6	480-129995-19	480-134234-7
Volatile Organic Compounds by Method 8260 (µg/L)											
1,1,1-Trichloroethane	5*	57	170	39	21	170	55	100 U	4.8	20 U	75
1,1-Dichloroethane	5*	140	590	58	22	130	50 U	310	4.4	50	71
1,1-Dichloroethene	5	50 U	20	5.0 U	4.0 J	27 J	50 U	100 U	1.6	8.2 J	6.5 J
1,2-Dichloroethane	0.6	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U
2-Butanone (MEK)	50	540	260	50 U	50 U	400 U	500 U	1,000 U	50 U	200 U	200 U
2-Hexanone	50	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5 U	100 U	100 U
4-Methyl-2-pentanone (MIBK)	NL	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5 U	100 U	100 U
Ethylbenzene	5	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U
Acetone	50	890	220	50 U	50 U	400 U	500 U	1,000 U	25 U	200 U	200 U
Benzene	1	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U
Carbon Disulfide	60	50 U	11	5.0 U	5.0 U	40 U	50 U	51 J	1.0 U	20 U	20 U
Chloroethane	5*	50 U	54	44	12	40 U	50 U	100 U	1.8	22	30
Chloromethane	5	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U
cis-1,2-Dichloroethene	5*	1,500	2,300	5.0 U	850	4,100	4,800	8,500	110	540	1,600
Methylene Chloride	5	23 J	20 U	5.0 U	5.0 U	40 U	50 U	100 U	5.0 U	20 U	20 U
Toluene	5*	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U
trans-1,2-Dichloroethene	5	50 U	55	8.1	5.0 U	40 U	57	100 U	0.99	20 U	20 U
Trichloroethene	5*	230	92	5.4	8.4	98	36 J	100 U	6.6	11 J	65 J
Vinyl chloride	5*	1,400	1,700	110	140	920	480	2,300	1.0 U	410	480
Xylenes, Total	5	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5.0 U	40 U	40 U

Notes:

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

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

Bold font indicates the analyte was detected.

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

* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 8

Summary of Vapor Monitoring Results - April 2018
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	Sample ID: Sample Date:	LRP Effluent 2Q18 4/12/2018	AS Effluent 2Q18 4/12/2018
<u>VOCs by Method TO-15 (µg/m³)</u>			
1,1-Dichloroethane		19	0.94
1,2-Dichloroethene, Total		1,000	45
1,3-Dichlorobenzene		- U	2.5
2,2,4-Trimethylpentane		- U	1.5
Benzene		- U	0.71
Chloroethane		30	49
Methyl Ethyl Ketone		- U	2.9
n-Hexane		- U	1.0
Toluene		- U	1.2
Trichlorofluoromethane		- U	1.1
Trichloroethene		9.4	- U
Vinyl chloride		450	2.3
Total Detected VOCs (µg/m³)		1,508	108
Vacuum (inches Hg)		18	5.5
Air Flow Rate (acfm)		108	190
VOC discharge loading (lb/hr)		0.00061	0.00008
Total VOC discharge loading (lb/hr)		0.00069	
Notes: 1. µg/m³ = micrograms per cubic meter 2. acfm = actual cubic feet per minute 3. Hg = Mercury 4. scfm = standard cubic feet per minute 5. lb/hr = pounds per hour 6. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump. 7. AS Effluent represents the untreated vapor discharge for the Air Stripper.			
Qualifiers: U - Not detected at or above reporting limit (reporting limit not included in the Total Detected VOCs).			

Table 9

Volatile Organic Compound Mass Removed - Aqueous Phase
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID Sample Date	Influent Third Quarter 2017	Influent Fourth Quarter 2017	Influent First Quarter 2018	Influent Second Quarter 2018
<u>VOCs (Method 8260) (µg/L)</u>				
Acetone	7.4 J	9.5 J	4.0 J	15
Chloroethane	22	ND	16 J	1.2
2-Butanone (MEK)	5.2 J	5.7 J	ND	7.9 J
cis-1,2-Dichloroethene	3.4	9.2 J	9.8	5.3
Vinyl Chloride	ND	ND	1.4	ND
Total VOCs (µg/L)	38.0	24.4	31.2	29.4
Air Stripper Totalizer Readings (gallons)	1,111,284 (4/16/17) 1,129,258 (7/3/17)	1,129,258 (7/3/17) 1,148,131 (10/17/17)	1,148,131 (10/17/17) 1,166,574 (1/11/18)	1,166,574 (1/11/18) 1,185,609 (4/12/18)
Gallons Processed	17,974	18,873	18,443	19,035
VOCs Removed (pounds)	0.006	0.004	0.005	0.005
Total VOCs Removed (pounds)	0.019			

Notes:

1. µg/L = micrograms per liter
2. Influent - Represents the combined dual phase extraction and groundwater collection trench influent to the air stripper.
3. Dates are indicated next to the air stripper totalizer readings.
4. Totalizer readings from the air stripper effluent.
5. Dual phase extraction system brought back on line in August 2016.
5. Dual phase extraction wells and conveyance piping cleaned prior to second quarter 2017 samplign event.

Qualifiers:

- J - Indicates compounds detected as estimated.
 ND - Indicates compounds not detected above the quantitation limit.

Table 10

Volatile Organic Compound Mass Removed - Vapor Phase
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID: Sample Date:	AS Effluent 7/3/2017	LRP Effluent 7/3/2017	AS Effluent 10/16/2017	LRP Effluent 10/16/2017	AS Effluent 1/11/2018	LRP Effluent 1/11/2018	AS Effluent 4/12/2018	LRP Effluent 4/12/2018
1,1-Dichloroethane	ND	17	ND	29	ND	24	0.9	19
1,2-Dichloroethene Total	0.78	990	ND	2,300	9.1	2,700	45	1,000
1,2,4-Trimethylbenzene	ND	ND	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3.9	ND	ND	ND	ND	ND	2.5	ND
2,2,4-Trimethylpentane	ND	ND	1.3	ND	ND	ND	1.5	ND
Acetone	ND	ND	17	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	0.7	ND
Carbon Disulfide	ND	ND	53	ND	9.1	ND	ND	ND
Chloroethane	ND	19	6.1	50	ND	ND	49	30
Chloromethane	ND	ND	1.1	ND	4.1	ND	ND	ND
Dichlorodifluoromethane	ND	ND	2.5	ND	2.5	ND	ND	ND
Methyl Ethyl Ketone	2.1	ND	4.8	ND	2.8	ND	2.9	ND
n-Heptane	ND	ND	1.1	ND	ND	ND	ND	ND
n-Hexane	0.98	ND	1.1	ND	ND	ND	1.0	ND
Toluene	1.5	ND	ND	ND	1.4	ND	1.2	ND
Trichloroethene	ND	16	ND	46	ND	75	ND	9.4
Trichlorofluoromethane	ND	ND	ND	ND	1.3	ND	1.1	ND
Vinyl Chloride	ND	280	ND	1,300	ND	1,200	2.3	450
Xylene Total	ND	ND	3.5	ND	ND	ND	ND	ND
Total Detected VOCs ($\mu\text{g}/\text{m}^3$)	9	1,322	93	3,725	30	3,999	108	1,508
Air Flow Rate (acfm)	190	136	190	102	190	81	190	136
VOC discharge loading (lb/hr)	0.00001	0.0007	0.00007	0.0014	0.0000	0.0012	0.0001	0.0008
LRP/AS Runtime (hours)	1,944	1,413	2,520	2,536	2,088	1,117	2,184	2,182
Total VOC discharge loading	0.01	0.95	0.17	3.61	0.05	1.36	0.17	1.67
Total VOCs removed (lb)	8.0							

Notes:

1. $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter
2. ND = Indicates compounds not detected above the quantitation limit
3. acfm = actual cubic feet per minute
4. lb/hr = pounds per hour
5. LRP = liquid ring pump effluent
6. AS = air stripper effluent
7. LRP runtime calculated using the difference in hour meter readings between reporting periods.
8. AS ran continuously treating groundwater from dual phase extraction system and/or groundwater collection trench.
9. Dual phase extraction system brought back on line in August 2016; i.e., no LRP sample collected in July 2016.

Table 11

**Combined DPE Remediation System Operation and Maintenance Schedule
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Frequency	Operation and Maintenance Activity
Weekly	Record System Operational Parameters Inspect All Piping, Mechanical, and Electrical Components Check/Fill LRP Seal Fluid Change Bag Filters/Clean Housings
Quarterly	Clean System Components (KO Tank, Hold Tank, Air Stripper)
Annually	Replace LRP Seal Fluid Change KO Tank Filter Replace LRP Separator Element Grease LRP Bearings Perform DPE Well and Conveyance Lines Scale Abatement Activity

Notes:

DPE: Dual Phase Extraction

KO: Knockout

LRP: Liquid Ring Pump

Table 12

Proposed Groundwater Monitoring Schedule - July 2018 through April 2019
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Locations Scheduled for Sampling	Lcoations Scheduled for Sampling			
Quarterly Groundwater Monitoring					
July 2018	17	MW-2 MW-11 MW-16D DPE-4 GWCT	MW-3 MW-13S DPE-1 DPE-5	MW-4 MW-13D DPE-2 DPE-7	MW-8R MW-16S DPE-3 DPE-8
October 2018	17	MW-2 MW-11 MW-16D DPE-4 GWCT	MW-3 MW-13S DPE-1 DPE-5	MW-4 MW-13D DPE-2 DPE-7	MW-8R MW-16S DPE-3 DPE-8
January 2019	17	MW-2 MW-11 MW-16D DPE-4 GWCT	MW-3 MW-13S DPE-1 DPE-5	MW-4 MW-13D DPE-2 DPE-7	MW-8R MW-16S DPE-3 DPE-8
Comprehensive Annual Groundwater Monitoring					
April 2019	22	MW-2 MW-9 MW-14S MW-16D DPE-4 DPE-8	MW-3 MW-11 MW-14D DPE-1 DPE-5 GWCT	MW-4 MW-13S MW-15D DPE-2 DPE-6	MW-8R MW-13D MW-16S DPE-3 DPE-7

Notes:

MW-## - Monitoring Well

MW-##S - Shallow Piezometer

MW-##D - Deep Piezometer

DPE-## - Dual Phase Extraction Well

GWCT - Groundwater Collection Trench

Note MW-6, MW-10, MW-12, and MW-15S are proposed for decommissioning.

Table 13

Proposed Monitoring and Compliance Sampling Summary
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Location/Type	Matrix	Analytical Parameter					Comments
		VOCs (aqueous)	TPH (aqueous)	TSS (aqueous)	pH (aqueous)	VOCs (vapor)	
Quarterly BSA Sampling - 4 Events							
Air Stripper Influent	aqueous	1	1	1	1	0	Four grabs over 8 hour process day
Air Stripper Effluent	aqueous	1	1	1	1	0	Four grabs over 8 hour process day
Trip Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Per Event		3	2	2	2	0	
Sub-Total		12	8	8	8	0	
Remedial Action Compliance Sampling							
Quarterly - 3 Events							
Primary Samples	aqueous	17	0	0	0	0	Wells: 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-7, DPE-8, GWCT
Duplicate	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Trip Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Rinsate Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Air Stripper Effluent	air	0	0	0	0	1	Air Discharge Limit Compliance
LRP Effluent	air	0	0	0	0	1	Air Discharge Limit Compliance
Per Event		20	0	0	0	2	
Subtotal		60	0	0	0	6	
Annual Event - 1 Event							
Primary Samples	aqueous	22	0	0	0	0	Wells: MW-2, MW-3, MW-4, MW-8R, MW-9, MW-11, MW-13S, MW-13D, MW-14S, MW-14D, MW-15D, MW-16S, MW-16D, DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, DPE-8, GWCT
Trip Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Duplicate	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Rinsate Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Air Stripper Effluent	air	0	0	0	0	1	Air Discharge Limit Compliance
LRP Effluent	air	0	0	0	0	1	Air Discharge Limit Compliance
Subtotal		25	0	0	0	2	
Total		97	8	8	8	8	

Methods:

Volatile organic compounds (VOCs) by USEPA SW-846 Method 8260C (aqueous)

Total extractable hydrocarbons (TPH) by 40 CFR 136 Method 160.2

Total suspended solids (TSS) by 40 CFR 136 Method 1664

pH by 40 CFR 136 Method 150.1

VOCs by USEPA Method TO-15 (air)

MW - Monitoring Well

Appendix A

Former Scott Aviation Plant 2 O&M Checklist

AECOM Technical Services, Inc.
SCOTT AVIATION WEST OF PLANT 2 O&M CHECKLIST (updated 4/2018)

Date: _____ **Weather:** _____

Time: _____ **Field Technician Name:** _____

DPE Process Room

DPE Wells (indicate if well is in operation)

DPE-1	_____	DPE-5	_____
DPE-2	_____	DPE-6	_____
DPE-3	_____	DPE-7	_____
DPE-4	_____	DPE-8	_____

Comments: _____

LRP Tank Exhaust Temperature -	_____ °F	LRP Flow Rate -	_____ x1000 FPM
LRP Filter Pressure -	_____ PSI	KO Tank Vacuum -	_____ "Hg
LRP Oil Level -	_____		
LRP Inlet Vacuum -	_____ "Hg		
LRP Exhaust Temperature -	_____ °F		
LRP Hour Meter	_____ HRS		

Comments: _____

DPE Control Room

LRP Hour Meter -	_____ HRS
KO Tank Hour Meter -	_____ HRS
Hold Tank Hour Meter -	_____ HRS

Comments: _____

Groundwater Treatment Building

GW Trench Totalizer	_____ GAL	Air Stripper Vacuum -	_____ "H ₂ O
Air Stripper Effluent Flowrate -	_____ GPM	Air Stripper Flow -	_____ "H ₂ O
Air Stripper Effluent Totalizer (T1) -	_____ GAL	AS Flow Gauge -	_____ SCFM
Air Stripper Effluent Totalizer (T2) -	_____ GAL		
Air Stripper Effluent Temperature -	_____ °F		

Comments: _____

Appendix B

April 2018 Field Forms

Appendix B

April 2018 Field Forms



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/17/2018</u>		Casing Diameter <u>2</u> inches																																								
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>																																								
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>690.35</u> 1/100 ft																																								
Job # <u>60538931</u>		Height of Riser (above land surface) _____ 1/100 ft																																								
Well ID # <u>MW-2</u>		Land Surface Elevation _____ 1/100 ft																																								
<u> </u> Upgradient <u> </u> Downgradient		Screened Interval (below land surface) <u>7-17</u> 1/100 ft																																								
Weather Conditions <u>Snow</u>																																										
Air Temperature <u>30</u> ° F		<table border="1" style="width:100%"><thead><tr><th>Container</th><th>Analysis (Method)</th><th># Bottles</th><th>Preservative</th><th>Dup - MS/MSD</th></tr></thead><tbody><tr><td>VOA 40 mL glass</td><td>TCL VOCs (8260B)</td><td>3</td><td>HCL, 4°C</td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD	VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C																															
Container	Analysis (Method)		# Bottles	Preservative	Dup - MS/MSD																																					
VOA 40 mL glass	TCL VOCs (8260B)		3	HCL, 4°C																																						
Total Depth (TWD) Below Top of Casing = <u>16.4</u> 1/100 ft																																										
Depth to Groundwater (DGW) Below Top of Casing = <u>5.12</u> 1/100 ft																																										
Length of Water Column (LWC) = TWD - DGW = <u>11.28</u> 1/100 ft																																										
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>1.8</u> gal																																										
3 Casing Volumes = <u>5.5</u> gal																																										
Method of Well Evacuation <u>Peristaltic Pump</u>																																										
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>																																										
Total Volume of Water Removed <u>1.8</u> gal																																										
FIELD ANALYSES																																										
Flow Rate (ml/min)	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>																																					
Time (Military)	<u>16:00</u>	<u>16:05</u>	<u>16:10</u>	<u>16:15</u>	<u>16:20</u>	<u>16:25</u>																																				
Depth to Groundwater Below Top of Casing (ft)	<u>6.55</u>	<u>8.01</u>	<u>9.42</u>	<u>10.90</u>	<u>10.90</u>	<u>10.91</u>																																				
Drawdown (ft)	<u>-1.43</u>	<u>-1.46</u>	<u>-1.41</u>	<u>-1.48</u>	<u>0.00</u>	<u>-0.01</u>																																				
pH (S.U.)	<u>5.6</u>	<u>6.5</u>	<u>7.2</u>	<u>7.4</u>	<u>7.4</u>	<u>7.4</u>																																				
Sp. Cond. (mS/cm)	<u>0.399</u>	<u>0.394</u>	<u>0.325</u>	<u>0.283</u>	<u>0.286</u>	<u>0.288</u>																																				
Turbidity (NTUs)	<u>24.2</u>	<u>25.4</u>	<u>21.3</u>	<u>26.7</u>	<u>25.6</u>	<u>24.5</u>																																				
Dissolved Oxygen (mg/L)	<u>1.57</u>	<u>0.71</u>	<u>0.69</u>	<u>0.76</u>	<u>1.00</u>	<u>1.05</u>																																				
Water Temperature (°C)	<u>8.41</u>	<u>8.36</u>	<u>8.41</u>	<u>8.23</u>	<u>8.19</u>	<u>8.21</u>																																				
ORP (mV)	<u>45.2</u>	<u>-12.2</u>	<u>-28.5</u>	<u>-37.2</u>	<u>-35.0</u>	<u>-34.2</u>																																				
Physical appearance at start		Color <u>clear with iron</u> bacteria	Physical appearance at sampling		Color <u>clear with iron</u> bacteria																																					
		Odor <u>no</u>			Odor <u>no</u>																																					
Sheen/Free Product <u>no</u>			Sheen/Free Product <u>no</u>																																							
COMMENTS/OBSERVATIONS <u>Sample time at 16:30 hrs.</u>																																										



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/17/2018</u>		Casing Diameter <u>2</u> inches																																													
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>																																													
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>687.05</u> 1/100 ft																																													
Job # <u>60538931</u>		Height of Riser (above land surface) <u>1.15</u> 1/100 ft																																													
Well ID # <u>MW-3</u>		Land Surface Elevation <u>685.9</u> 1/100 ft																																													
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>7.5 - 27.5</u> 1/100 ft																																													
Weather Conditions <u>snow</u>																																															
Air Temperature <u>30</u> ° F																																															
Total Depth (TWD) Below Top of Casing = <u>28</u> 1/100 ft																																															
Depth to Groundwater (DGW) Below Top of Casing = <u>9.58</u> 1/100 ft																																															
Length of Water Column (LWC) = TWD - DGW = <u>18.42</u> 1/100 ft																																															
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>3.0</u> gal																																															
3 Casing Volumes = <u>9</u> gal																																															
Method of Well Evacuation <u>Peristaltic Pump</u>																																															
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>																																															
Total Volume of Water Removed <u>1.8</u> gal																																															
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>Container</th><th>Analysis (Method)</th><th># Bottles</th><th>Preservative</th><th>Dup - MS/MSD</th></tr></thead><tbody><tr><td>VOA 40 mL glass</td><td>TCL VOCs (8260C)</td><td>3</td><td>HCL, 4°C</td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>			Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD	VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C																																				
Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD																																											
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C																																												
FIELD ANALYSES																																															
Flow Rate (ml/min)	200	200	200	200	200	200																																									
Time (Military)	15:00	15:05	15:10	15:15	15:20	15:25																																									
Depth to Groundwater Below Top of Casing (ft)	9.45	10.50	12.11	12.51	12.9	13.2																																									
Drawdown (ft)	0.13	-1.05	-1.61	-0.40	-0.39	-0.30																																									
pH (S.U.)	7.33	7.27	7.2	7.19	7.17	7.17																																									
Sp. Cond. (mS/cm)	0.693	0.694	0.691	0.690	0.690	0.690																																									
Turbidity (NTUs)	9.80	6.20	4.20	3.81	2.14	2.20																																									
Dissolved Oxygen (mg/L)	3.85	1.61	1.01	0.79	0.83	0.86																																									
Water Temperature (°C)	8.41	8.45	8.20	8.19	8.15	8.14																																									
ORP (mV)	5.2	4.9	7.2	10.1	12.1	13.2																																									
Physical appearance at start		Color <u>clear</u>	Physical appearance at sampling		Color <u>clear</u>																																										
		Odor <u>no</u>			Odor <u>no</u>																																										
Sheen/Free Product <u>no</u>				Sheen/Free Product <u>no</u>																																											
COMMENTS/OBSERVATIONS <u>Sample time at 15:30 hrs.</u>																																															



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/17/2018</u>		Casing Diameter <u>2</u> inches
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>686.5</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.39</u> 1/100 ft
Well ID # <u>MW-4</u>		Land Surface Elevation <u>686.89</u> 1/100 ft
<u> </u> Upgradient <u> </u> Downgradient		Screened Interval (below land surface) <u>15.5 - 25.5</u> 1/100 ft
Weather Conditions <u>Snow</u>		
Air Temperature <u>32</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>26</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>10.55</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>15.45</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>2.52</u> gal		
3 Casing Volumes = <u>7.56</u> gal		
Method of Well Evacuation <u>Peristaltic Pump</u>		
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>		
Total Volume of Water Removed <u>1.6</u> gal		

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

FIELD ANALYSES

	200	200	200	200	200		
Flow Rate (ml/min)	200	200	200	200	200		
Time (Military)	9:50	9:55	10:00	10:05	10:10		
Depth to Groundwater Below Top of Casing (ft)	8.95	10.30	11.15	12.10	13.05		
Drawdown (ft)	1.60	-1.35	-0.85	-0.95	-0.95		
pH (S.U.)	7.47	7.47	7.48	7.46	7.46		
Sp. Cond. (mS/cm)	1.592	1.627	1.630	1.630	1.627		
Turbidity (NTUs)	24.8	26.7	24.9	24.3	22.2		
Dissolved Oxygen (mg/L)	4.78	1.32	0.96	0.94	0.86		
Water Temperature (°C)	8.05	8.23	8.22	8.19	8.19		
ORP (mV)	-95.8	-80.5	-96.1	-101.3	-108.7		

Physical appearance at start	Color <u>clear</u>	Physical appearance at sampling	Color <u>clear</u>
	Odor <u>no</u>		Odor <u>no</u>
Sheen/Free Product <u>no</u>		Sheen/Free Product <u>no</u>	

COMMENTS/OBSERVATIONS Sample time at 10:20hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 4/2018
Field Personnel DZ
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-6
 Upgradient Downgradient

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 686.46 1/100 ft
Height of Riser (above land surface) -0.36 1/100 ft
Land Surface Elevation 686.82 1/100 ft
Screened Interval (below land surface) 14.5 - 24.5 1/100 ft

Weather Conditions snow
Air Temperature 30 ° F
Total Depth (TWD) Below Top of Casing = 25 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 0.0 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed gal

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD

FIELD ANALYSES

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

Physical appearance at start

Sheen/Free Product

Physical appearance at sampling

Sheen/Free Product

Color
Odor

COMMENTS/OBSERVATIONS Well was destroyed during snow removal activities. Well will be proposed for decommissioning.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/18/2018</u>		Casing Diameter <u>4</u> inches
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>686.29</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.29</u> 1/100 ft
Well ID # <u>MW-8R</u>		Land Surface Elevation <u>686.58</u> 1/100 ft
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>14 - 24</u> 1/100 ft
Weather Conditions <u>Snow</u>		
Air Temperature <u>30</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>27.5</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>10.05</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>17.45</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>2.8</u> gal		
3 Casing Volumes = <u> </u> gal		
Method of Well Evacuation <u>Peristaltic Pump</u>		
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>		
Total Volume of Water Removed <u>1.6</u> gal		

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

FIELD ANALYSES

	100	100	100	100	100		
Flow Rate (ml/min)	8:00	8:05	8:10	8:15	8:20		
Time (Military)							
Depth to Groundwater Below Top of Casing (ft)	11.1	11.70	11.85	12.30	12.85		
Drawdown (ft)	-1.05	-0.60	-0.15	-0.45	-0.55		
pH (S.U.)		8.65	8.7	8.72	8.72		
Sp. Cond. (S/cm)		1.097	1.079	1.069	1.061		
Turbidity (NTUs)		20.6	18.4	17.3	17.1		
Dissolved Oxygen (g/L)		1.84	0.51	0.56	0.49		
Water Temperature (°C)		8.29	7.56	7.16	6.98		
ORP (mV)		-254.7	-263.6	-262.7	-262.3		

Physical appearance at start	Color <u>clear</u>	Physical appearance at sampling	Color <u>clear</u>
	Odor <u>no</u>		Odor <u>no</u>
Sheen/Free Product <u>no</u>		Sheen/Free Product <u>no</u>	

COMMENTS/OBSERVATIONS Sample time at 08:30 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/17/2018</u>		Casing Diameter <u>2</u> inches
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>689.57</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>1.57</u> 1/100 ft
Well ID # <u>MW-9</u>		Land Surface Elevation <u>688.0</u> 1/100 ft
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>3.5 - 23.5</u> 1/100 ft
Weather Conditions <u>snow</u>		
Air Temperature <u>30</u>		
Total Depth (TWD) Below Top of Casing = <u>23.5</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>13.2</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>10.3</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>1.7</u> gal		
3 Casing Volumes = <u>5</u> gal		
Method of Well Evacuation <u>Peristaltic Pump</u>		
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>		
Total Volume of Water Removed <u>2.1</u> gal		

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

FIELD ANALYSES

	200	200	200	200	200	200	200	
Flow Rate (ml/min)	200	200	200	200	200	200	200	
Time (Military)	13:30	13:35	13:40	13:45	13:50	13:55	14:00	
Depth to Groundwater Below Top of Casing (ft)	NA	NA	12.15	12.31	12.61	12.90	13.01	
Drawdown (ft)	NA	NA	-1.85	-0.16	-0.30	-0.29	-0.11	
pH (S.U.)	NA	NA	7.3	7.28	7.21	7.16	7.17	
Sp. Cond. (mS/cm)	NA	NA	0.767	0.769	0.771	0.777	0.778	
Turbidity (NTUs)	NA	NA	2.6	1.5	1.3	1.1	1.1	
Dissolved Oxygen (mg/L)	NA	NA	2.21	1.98	1.89	1.92	2.22	
Water Temperature (°C)	NA	NA	7.7	7.99	8.06	8.26	8.22	
ORP (mV)	NA	NA	-5.1	1.2	3.8	11.1	13.2	

Physical appearance at start	Color	<u>clear</u>
	Odor	<u>no</u>
Sheen/Free Product		<u>no</u>

Physical appearance at sampling	Color	<u>clear</u>
	Odor	<u>no</u>
Sheen/Free Product		<u>no</u>

COMMENTS/OBSERVATIONS Sample time at 14:00 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/17/2018</u>		Casing Diameter <u>2</u> inches
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>687.7</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.08</u> 1/100 ft
Well ID # <u>MW-10</u>		Land Surface Elevation <u>687.78</u> 1/100 ft
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>3.5 - 23.5</u> 1/100 ft
Weather Conditions <u>snow/rain</u>		
Air Temperature <u>30</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>24.0</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>7.00</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>17.00</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>2.8</u> gal		
3 Casing Volumes = <u>8.3</u> gal		
Method of Well Evacuation <u>Peristaltic Pump</u>		
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>		
Total Volume of Water Removed <u>2.1</u> gal		

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	Dup at 08:00hr

FIELD ANALYSES

	150	150	150	150	150		
Flow Rate (ml/min)	150	150	150	150	150		
Time (Military)	8:55	9:00	9:05	9:10	9:15		
Depth to Groundwater Below Top of Casing (ft)	6.15	7.5	8.49	8.75	8.85		
Drawdown (ft)	0.85	-1.35	-0.99	-0.26	-0.10		
pH (S.U.)	6.96	6.92	6.86	6.82	6.85		
Sp. Cond. (mS/cm)	1.051	1.057	1.058	1.060	1.059		
Turbidity (NTUs)	17.0	10.2	9.8	7.5	6.5		
Dissolved Oxygen (mg/L)	3.99	2.26	1.69	1.29	1.24		
Water Temperature (°C)	8.81	8.72	8.68	8.62	8.60		
ORP (mV)	41.1	27.0	22.2	22.2	22.4		

Physical appearance at start	Color <u>clear</u>	Physical appearance at sampling	Color <u>clear</u>
	Odor <u>no</u>		Odor <u>no</u>
Sheen/Free Product <u>no</u>		Sheen/Free Product <u>no</u>	

COMMENTS/OBSERVATIONS Sample time at 09:20hrs. Duplicate sample collected (recorded sample collection at 08:00hrs).

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	<u>4/18/2018</u>		Casing Diameter	<u>2</u>		inches
Field Personnel	<u>DZ</u>		Casing Material	<u>PVC</u>		
Site Name	<u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation	<u>688.61</u>		1/100 ft
Job #	<u>60538931</u>		Height of Riser (above land surface)	<u>-0.26</u>		1/100 ft
Well ID #	<u>MW-11</u>		Land Surface Elevation	<u>688.87</u>		1/100 ft
	<u> </u> Upgradient	<u> </u> Downgradient	Screened Interval (below land surface)	<u>8.5 - 28.5</u>		1/100 ft
Weather Conditions	<u>snow</u>					
Air Temperature	<u>30</u>					
Total Depth (TWD) Below Top of Casing =	<u>28.5</u>	1/100 ft				
Depth to Groundwater (DGW) Below Top of Casing =	<u>10.75</u>	1/100 ft				
Length of Water Column (LWC) = TWD - DGW =	<u>17.75</u>	1/100 ft				
1 Casing Volume (OCV) = LWC x	<u>0.163</u>	=	<u>2.9</u>			gal
3 Casing Volumes =	<u>9</u>		gal			
Method of Well Evacuation	<u>Peristaltic Pump</u>					
Method of Sample Collection	<u>Peristaltic Pump/Poly Tubing</u>					
Total Volume of Water Removed	<u>1.6</u>		gal			

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

	200	200	200	200	200			
Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	9:05	9:10	9:15	9:20	9:25			
Depth to Groundwater Below Top of Casing (ft)	10.61	10.70	10.71	10.71	10.71			
Drawdown (ft)	0.14	-0.09	-0.01	0.00	0.00			
pH (S.U.)	6.84	6.8	6.74	6.73	6.72			
Sp. Cond. (mS/cm)	2.411	2.468	2.463	2.461	2.461			
Turbidity (NTUs)	12.10	7.8	6.5	5.1	2.2			
Dissolved Oxygen (mg/L)	2.36	1.25	1.03	0.97	0.86			
Water Temperature (°C)	9.95	9.94	9.95	9.91	9.87			
ORP (mV)	3.2	1.7	1.3	1.1	0.9			

Physical appearance at start Color <u>clear</u> Odor <u>no</u> Sheen/Free Product <u>no</u>	Physical appearance at sampling Color <u>clear</u> Odor <u>no</u> Sheen/Free Product <u>no</u>
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COMMENTS/OBSERVATIONS Sample time at 09:30 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/18/2018</u>		Casing Diameter <u>4</u> inches
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>686.19</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.36</u> 1/100 ft
Well ID # <u>MW-12</u>		Land Surface Elevation <u>686.55</u> 1/100 ft
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>7 - 27</u> 1/100 ft
Weather Conditions <u>cloudy</u>		
Air Temperature <u>31</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>27.5</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>3.84</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>23.66</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>3.9</u> gal		
3 Casing Volumes = <u>11.6</u> gal		
Method of Well Evacuation <u>Peristaltic Pump</u>		
Method of Sample Collection <u>Peristaltic Pump/Teflon Tubing</u>		
Total Volume of Water Removed <u>2.1</u> gal		

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

FIELD ANALYSES

	200	200	200	200	200		
VOLUME PURGED (ml)	200	200	200	200	200		
TIME (Military)	11:15	11:20	11:25	11:30	11:35		
Depth to Groundwater Below Top of Casing (ft)	4.85	5.51	6.11	6.30	6.41		
Drawdown (ft)	-1.01	-0.66	-0.60	-0.19	-0.11		
pH (S.U.)	6.81	6.79	6.78	6.78	6.78		
Sp. Cond. (mS/cm)	0.958	0.965	0.965	0.965	0.965		
Turbidity (NTUs)	11.2	10.3	9.8	5.6	4.6		
Dissolved Oxygen (mg/L)	2.8	1.04	0.91	0.78	0.77		
Water Temperature (°C)	7.19	7.13	7.16	7.19	7.21		
ORP (mV)	-80.9	-80.9	-79.3	-76.3	-75.8		

Physical appearance at start	Color <u>clear</u>	Physical appearance at sampling	Color <u>clear</u>
	Odor <u>no</u>		Odor <u>no</u>
Sheen/Free Product <u>no</u>		Sheen/Free Product <u>no</u>	

COMMENTS/OBSERVATIONS Sample time at 11:40 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/17/2018

Field PersonnelDZ

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-13S

Upgradient

Downgradient

Weather Conditionssnow

Air Temperature30 ° F

Total Depth (TWD) Below Top of Casing = 16.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 4.2 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 12.3 1/100 ft

1 Casing Volume (OCV) = LWC x 0.041 = 0.5 gal

3 Casing Volumes = 1.5129 gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed 1.6 gal

Casing Diameter1 inches

Casing MaterialPVC

Measuring Point Elevation685.74 1/100 ft

Height of Riser (above land surface)-0.50 1/100 ft

Land Surface Elevation686.24 1/100 ft

Screened Interval (below land surface)8.5-16.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200		
Time (Military)	11:20	11:25	11:30	11:35	11:40		
Depth to Groundwater Below Top of Casing (ft)	5.08	7.40	8.80	9.10	9.61		
Drawdown (ft)	-0.88	-2.32	-1.40	-0.30	-0.51		
pH (S.U.)	7.55	7.45	7.46	7.50	7.5		
Sp. Cond. (mS/cm)	0.941	0.832	0.809	0.797	0.802		
Turbidity (NTUs)	16.8	21.2	23.8	21.1	24.8		
Dissolved Oxygen (mg/L)	2.87	0.81	0.61	0.55	0.46		
Water Temperature (°C)	6.45	6.19	6.21	6.25	6.57		
ORP (mV)	-106.1	-117.6	-126.5	-138.5	-150.8		

Physical appearance at start

Colorclear

Odor

no

Sheen/Free Product

no

Physical appearance at sampling

Colorclear

Odor

no

Sheen/Free Product

no

COMMENTS/OBSERVATIONS

Sample time at 11:45 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____	4/18/2018	Casing Diameter _____	1	inches
Field Personnel _____	DZ	Casing Material _____	PVC	
Site Name _____	Former Scott Aviation Site - Lancaster, NY			
Job # _____	60538931			
Well ID # _____	MW-13D			
_____ Upgradient	_____ Downgradient	Measuring Point Elevation _____	685.88 1/100 ft	
Weather Conditions _____	clouds	Height of Riser (above land surface) _____	-0.36 1/100 ft	
Air Temperature _____	30 ° F	Land Surface Elevation _____	686.24 1/100 ft	
Total Depth (TWD) Below Top of Casing = _____	23.5 1/100 ft	Screened Interval (below land surface) _____	19.5-23.5 1/100 ft	
Depth to Groundwater (DGW) Below Top of Casing = _____	8.7 1/100 ft			
Length of Water Column (LWC) = TWD - DGW = _____	14.8 1/100 ft			
1 Casing Volume (OCV) = LWC x _____	0.041 = 0.6 gal			
3 Casing Volumes = _____	1.8 gal			
Method of Well Evacuation _____	Peristaltic Pump			
Method of Sample Collection _____	Peristaltic Pump/Poly Tubing			
Total Volume of Water Removed _____	1.6 gal			

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

FIELD ANALYSES							
Flow Rate (ml/min)	200	200	200	200	200		
Time (Military)	12:40	12:45	12:50	12:55	13:00		
Depth to Groundwater Below Top of Casing (ft)	9.35	10.85	12.52	13.54	14.71		
Drawdown (ft)	-0.65	-1.50	-1.67	-1.02	-1.17		
pH (S.U.)	7.31	7.17	7.15	7.14	7.14		
Sp. Cond. (mS/cm)	0.941	0.940	0.927	0.930	0.931		
Turbidity (NTUs)	60.2	48.2	31.8	20.1	17.2		
Dissolved Oxygen (mg/L)	7.04	1.55	1.36	1.12	0.98		
Water Temperature (°C)	7.29	8.4	8.55	8.61	8.67		
ORP (mV)	-68.5	-68.4	-67.6	-69.2	-71.3		

Physical appearance at start	Color	_____ clear	Physical appearance at sampling	Color	_____ clear
	Odor	_____ no		Odor	_____ no
Sheen/Free Product	_____ no				
Sheen/Free Product	_____ no				

COMMENTS/OBSERVATIONS	Sample time at 13:00 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____	4/2018	
Field Personnel _____	DZ	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60538931	
Well ID # _____	MW-14S	
_____ Upgradient	_____ Downgradient	
Weather Conditions _____	snow	
Air Temperature _____	30	° F
Total Depth (TWD) Below Top of Casing = _____	16.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____	5.14	1/100 ft
Length of Water Column (LWC) = TWD - DGW = _____	11.36	1/100 ft
1 Casing Volume (OCV) = LWC x _____	0.041	= _____ 0.5 gal
3 Casing Volumes = _____		
Method of Well Evacuation _____	Peristaltic Pump	
Method of Sample Collection _____	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed _____		
FIELD ANALYSES		
Flow Rate (ml/min)		
Time (Military)		
Depth to Groundwater Below Top of Casing (ft)		
Drawdown (ft)		
pH (S.U.)		
Sp. Cond. (S/cm)		
Turbidity (NTUs)		
Dissolved Oxygen (g/L)		
Water Temperature (°C)		
ORP (mV)		
Physical appearance at start	Color _____	Physical appearance at sampling
	Odor _____	Color _____
Sheen/Free Product _____		Odor _____
		Sheen/Free Product _____ no
COMMENTS/OBSERVATIONS _____		
Well was flooded due to snow melt.		



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/18/2018</u>		Casing Diameter <u>1</u> inches
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>685.84</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) _____ 1/100 ft
Well ID # <u>MW-14D</u>		Land Surface Elevation _____ 1/100 ft
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>18.5-23.5</u> 1/100 ft
Weather Conditions <u>cloudy</u>		
Air Temperature <u>30</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>23.5</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>15.95</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>7.55</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.041</u> = <u>0.3</u> gal		
3 Casing Volumes = <u>0.93</u> gal		
Method of Well Evacuation <u>Peristaltic Pump</u>		
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>		
Total Volume of Water Removed <u>0.7</u> gal		

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

Flow Rate (ml/min)	100	100	100	100			
Time (Military)	10:40	10:45	10:50	10:55			
Depth to Groundwater Below Top of Casing (ft)	17.05	17.31	17.40	17.60			
Drawdown (ft)	-1.10	-0.26	-0.09	-0.20			
pH (S.U.)	7.19	7.09	7.06	7.05			
Sp. Cond. (mS/cm)	0.861	0.860	0.858	0.856			
Turbidity (NTUs)	41.2	37.6	21.5	11.2			
Dissolved Oxygen (mg/L)	6.32	5.41	5.11	4.27			
Water Temperature (°C)	8.93	8.97	8.94	8.88			
ORP (mV)	-67.8	-69.0	-70.3	-71.8			

Physical appearance at start	Color <u>clear</u>	Physical appearance at sampling	Color <u>clear</u>
	Odor <u>no</u>		Odor <u>no</u>
Sheen/Free Product <u>no</u>		Sheen/Free Product <u>no</u>	

COMMENTS/OBSERVATIONS Sample time at 11:00hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/18/2018

Field PersonnelDZ

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-15S

Upgradient

Downgradient

Weather Conditionsrain

Air Temperature50°F

Total Depth (TWD) Below Top of Casing =181/100 ft

Depth to Groundwater (DGW) Below Top of Casing =0.001/100 ft

Length of Water Column (LWC) = TWD - DGW =18.001/100 ft

1 Casing Volume (OCV) = LWC x 0.041 =0.738gal

3 Casing Volumes =2.2gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed0.8gal

Casing Diameter1inches

Casing MaterialPVC

Measuring Point Elevation687.521/100 ft

Height of Riser (above land surface)-0.331/100 ft

Land Surface Elevation687.851/100 ft

Screened Interval (below land surface)12-181/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100		
Time (Military)	14:15	14:20	14:25	14:30	14:35		
Depth to Groundwater Below Top of Casing (ft)	2.15	2.25	2.5	2.71	2.81		
Drawdown (ft)	-2.15	-0.1	-0.25	-0.21	-0.1		
pH (S.U.)	9.64	9.69	10.68	11.01	11.55		
Sp. Cond. (mS/cm)	0.686	0.692	0.998	1.100	1.115		
Turbidity (NTUs)	15.8	19.5	12.3	10.6	19.20		
Dissolved Oxygen (mg/L)	2.26	1.63	0.47	0.43	0.32		
Water Temperature (°C)	7.33	7.45	8.60	8.72	8.92		
ORP (mV)	-133.3	-136.6	-180.1	-184.5	-196.1		

Physical appearance at start

Colorclear

Odorsulfur

Sheen/Free Productno

Physical appearance at sampling

Colorclear

Odorsulfur

Sheen/Free Productno

COMMENTS/OBSERVATIONS

Sample 14:40 5hrs



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>4/18/2018</u>		Casing Diameter <u>1</u> inches																																														
Field Personnel <u>DZ</u>		Casing Material <u>PVC</u>																																														
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>687.62</u> 1/100 ft																																														
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.27</u> 1/100 ft																																														
Well ID # <u>MW-15D</u>		Land Surface Elevation <u>687.89</u> 1/100 ft																																														
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>21-25</u> 1/100 ft																																														
Weather Conditions <u>cloudy</u>																																																
Air Temperature <u>35</u> ° F																																																
Total Depth (TWD) Below Top of Casing = <u>25</u> 1/100 ft																																																
Depth to Groundwater (DGW) Below Top of Casing = <u>11.70</u> 1/100 ft																																																
Length of Water Column (LWC) = TWD - DGW = <u>13.30</u> 1/100 ft																																																
1 Casing Volume (OCV) = LWC x <u>0.041</u> = <u>0.5</u> gal																																																
3 Casing Volumes = <u>1.6</u> gal																																																
Method of Well Evacuation <u>Peristaltic Pump</u>																																																
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>																																																
Total Volume of Water Removed <u>0.7</u> gal																																																
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Container</th><th>Analysis (Method)</th><th># Bottles</th><th>Preservative</th><th>Dup - MS/MSD</th></tr></thead><tbody><tr><td>VOA 40 mL glass</td><td>TCL VOCs (8260B)</td><td>3</td><td>4°C</td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD	VOA 40 mL glass	TCL VOCs (8260B)	3	4°C																																				
Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD																																												
VOA 40 mL glass	TCL VOCs (8260B)	3	4°C																																													
FIELD ANALYSES																																																
Flow Rate (ml/min)	100	100	100	100																																												
Time (Military)	15:05	15:10	15:15	15:20																																												
Depth to Groundwater Below Top of Casing (ft)	11.42	11.42	11.42	11.42																																												
Drawdown (ft)	0.28	0.00	0.00	0.00																																												
pH (S.U.)	9.56	9.55	8.63	8.31																																												
Sp. Cond. (mS/cm)	0.799	0.862	0.928	0.940																																												
Turbidity (NTUs)	9.5	5.3	4.4	3.3																																												
Dissolved Oxygen (mg/L)	10.50	9.64	1.21	0.84																																												
Water Temperature (°C)	9.60	8.90	9.93	10.15																																												
ORP (mV)	-81.3	-111.4	-139.8	-142.2																																												
Physical appearance at start		Color <u>clear</u>	Physical appearance at sampling		Color <u>clear</u>																																											
		Odor <u>sulfur</u>			Odor <u>sulfur</u>																																											
Sheen/Free Product <u>no</u>				Sheen/Free Product <u>no</u>																																												
COMMENTS/OBSERVATIONS <u>Sample time at 15:25 hrs.</u>																																																

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	4/18/2018	
Field Personnel	DZ	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60538931	
Well ID #	MW-16S	
	Upgradient	Downgradient
Weather Conditions	cloudy	
Air Temperature	32	° F
Total Depth (TWD) Below Top of Casing =	15.4	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	7.28	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	6.71	1/100 ft
1 Casing Volume (OCV) = LWC x	0.041	= 0.3 gal
3 Casing Volumes =	0.8	gal
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	0.7	gal

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

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

FIELD ANALYSES

	100	100	100	100			
Flow Rate (ml/min)	100	100	100	100			
Time (Military)	12:25	12:30	12:35	12:40			
Depth to Groundwater Below Top of Casing (ft)	8.70	10.25	13.00	13.20			
Drawdown (ft)	-1.42	-1.55	-2.75	-0.20			
pH (S.U.)	6.91	6.81	6.78	6.78			
Sp. Cond. (mS/cm)	1.673	1.688	1.683	1.659			
Turbidity (NTUs)	18	16.5	12.3	18.0			
Dissolved Oxygen (mg/L)	8.82	3.4	2.09	1.48			
Water Temperature (°C)	6.6	6.61	6.36	6.08			
ORP (mV)	-78.4	-74.5	-70.8	-77.7			

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

COMMENTS/OBSERVATIONS Sample time at 12:50 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	4/18/2018	
Field Personnel	DZ	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60538931	
Well ID #	MW-16D	
	Upgradient	Downgradient
Weather Conditions	cloudy	
Air Temperature	32	° F
Total Depth (TWD) Below Top of Casing =	24	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	11.67	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	12.33	1/100 ft
1 Casing Volume (OCV) = LWC x	0.041	= 0.5 gal
3 Casing Volumes =	1.5	gal
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	0.8	gal

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

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

Flow Rate (ml/min)	100	100	100	100	100			
Time (Military)	13:00	13:05	13:10	13:15	13:20			
Depth to Groundwater Below Top of Casing (ft)	NA	14.9	15.5	16.8	17.2			
Drawdown (ft)	NA	-3.23	-0.60	-1.30	-0.40			
pH (S.U.)	NA	7.55	7.62	7.67	7.67			
Sp. Cond. (mS/cm)	NA	1.143	1.153	1.158	1.159			
Turbidity (NTUs)	NA	NA	NA	NA	NA			
Dissolved Oxygen (g/L)	NA	1.37	1.09	0.80	0.82			
Water Temperature (°C)	NA	8.33	8.5	8.66	8.68			
ORP (mV)	NA	-108.1	-121.6	-128.2	-129.3			

Physical appearance at start Color <u>clear</u> Odor <u>no</u> Sheen/Free Product <u>no</u>	Physical appearance at sampling Color <u>clear</u> Odor <u>no</u> Sheen/Free Product <u>no</u>
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COMMENTS/OBSERVATIONS Sample at 13:25 hrs.

Appendix C

Current and Historical Summary of Groundwater Elevations

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

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

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.

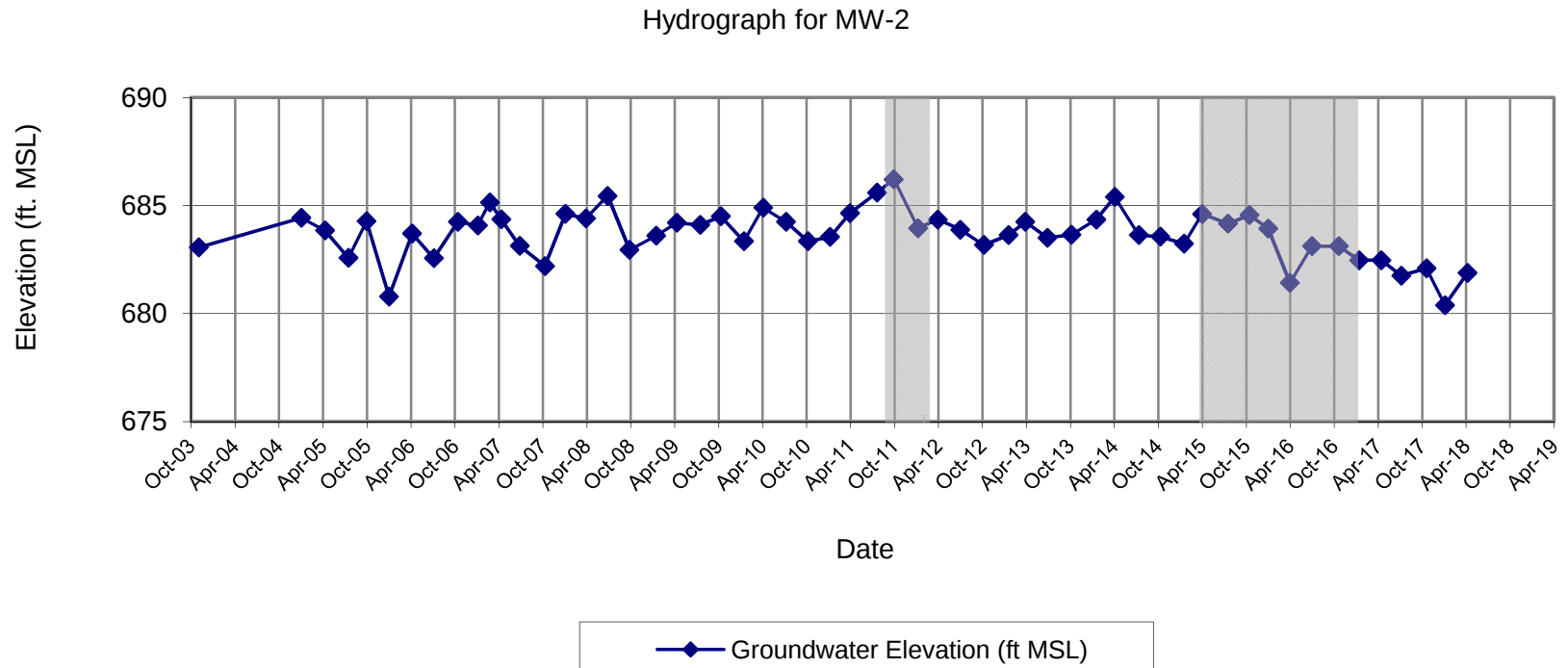
DPE off line for repairs in October 2013.

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).

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



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

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

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.

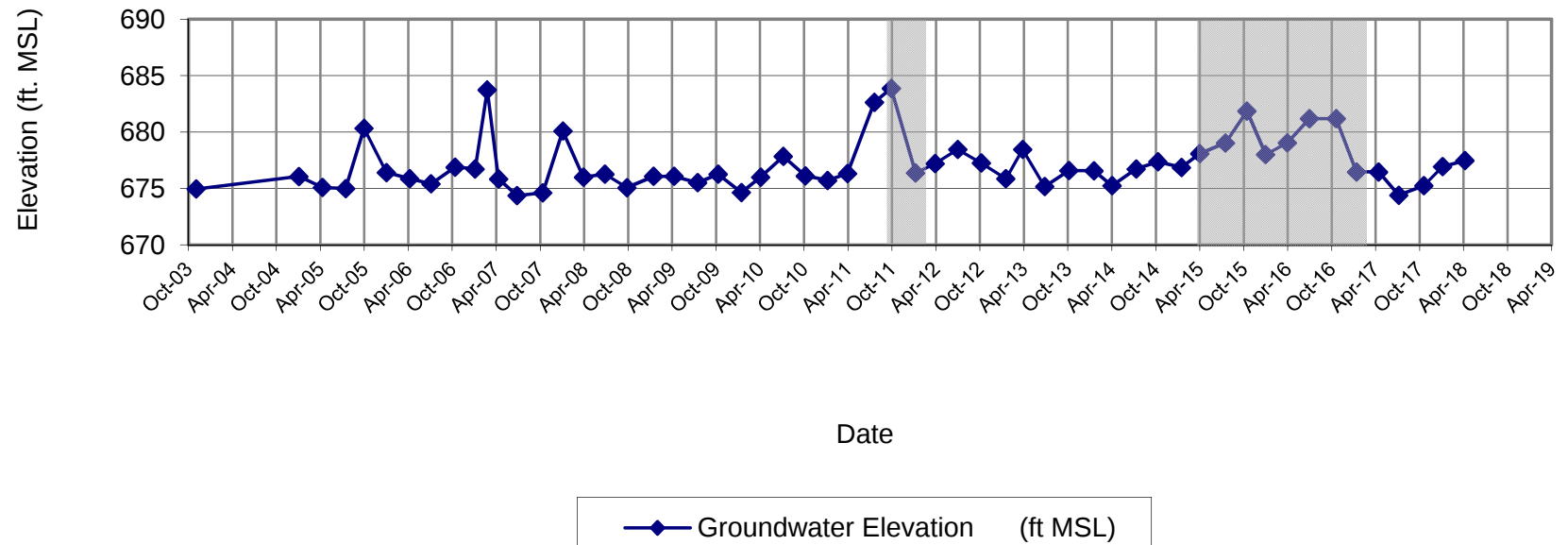
TOC Elevation re-measured June 13, 2008 at 687.02

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).

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

Hydrograph for MW-3



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

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

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.

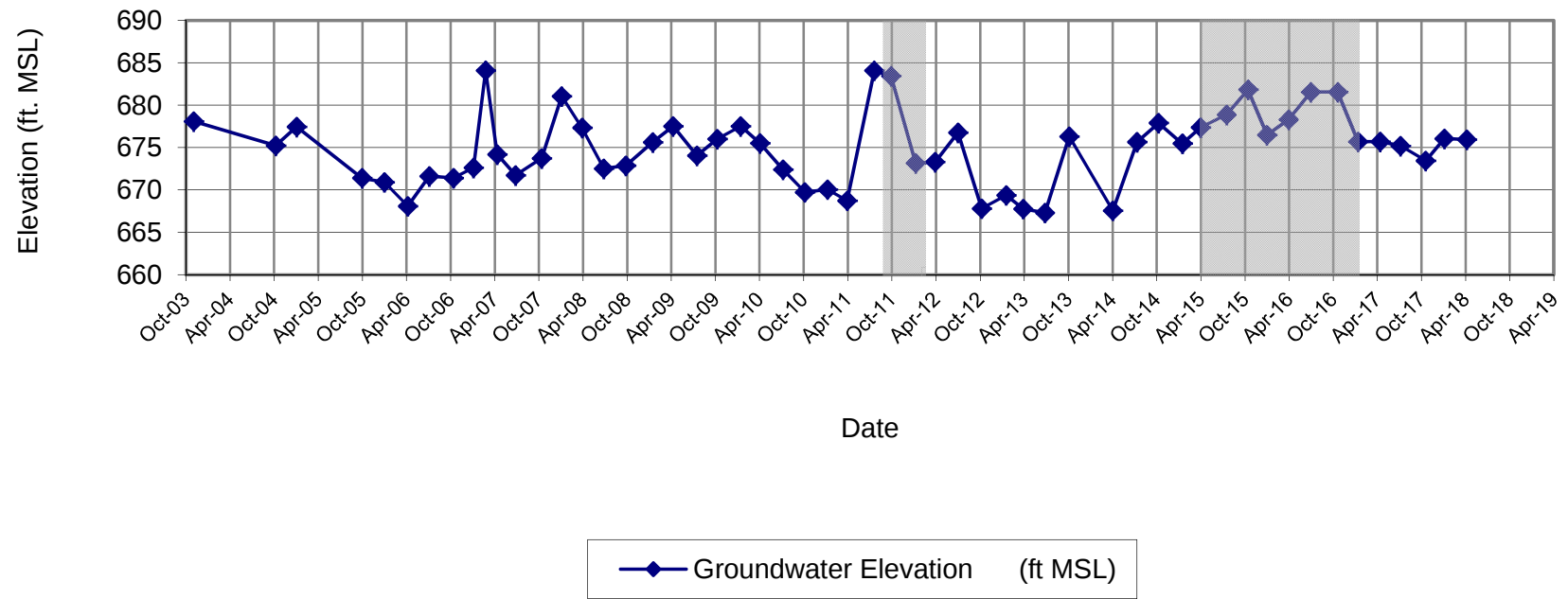
TOC Elevation re-measured on June 13, 2008 at 686.42.

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).

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

Hydrograph for MW-4



**MONITORING WELL MW-6
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	11.06	675.62
4/8/2004	NM	NA
10/12/2004	9.95	676.73
1/6/2005	13.00	673.68
4/14/2005	11.57	675.11
7/20/2005	12.88	673.80
10/4/2005	8.55	678.13
1/5/2006	12.11	674.57
4/11/2006	11.91	674.77
7/10/2006	12.5	674.18
10/18/2006	11.02	675.66
1/9/2007	11.1	675.58
2/28/2007	4.35	682.33
4/16/2007	11.81	674.87
7/2/2007	12.85	673.83
10/17/2007	13.09	673.59
1/8/2008	7.02	679.66
4/2/2008	11.00	675.68
7/1/2008	10.98	675.55
9/30/2008	11.39	675.14
1/19/2009	9.68	676.85
4/14/2009	10.02	676.51
7/21/2009	11.50	675.03
10/14/2009	10.35	676.18
1/18/2010	11.20	675.33
4/8/2010	10.05	676.48
7/12/2010	9.25	677.28
10/11/2010	9.91	676.62
1/12/2011	10.56	675.97
4/4/2011	10.27	676.26
7/25/2011	4.17	682.36
10/3/2011	3.45	683.08
1/12/2012	9.86	676.67
4/2/2012	9.39	677.14
7/5/2012	7.64	678.89
10/11/2012	10.80	675.73
1/21/2013	10.12	676.41
4/1/2013	8.41	678.12
7/1/2013	11.18	675.35
10/9/2013	9.32	677.21
1/21/2014	9.95	676.58
4/7/2014	10.75	675.78
7/16/2014	9.61	676.92
10/14/2014	8.60	677.93
1/20/2015	9.20	677.33
4/6/2015	8.08	678.45
7/22/2015	7.28	679.25
10/19/2015	4.82	681.71
1/5/2016	8.41	678.12
4/4/2016	6.98	679.48
7/5/2016	5.73	680.73
10/24/2016	5.73	680.73
1/16/2017	8.96	677.50
4/18/2017	8.34	678.12
7/11/2017	9.29	677.17
10/23/2017	9.35	677.11
1/8/2018	8.92	677.54

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.68

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.

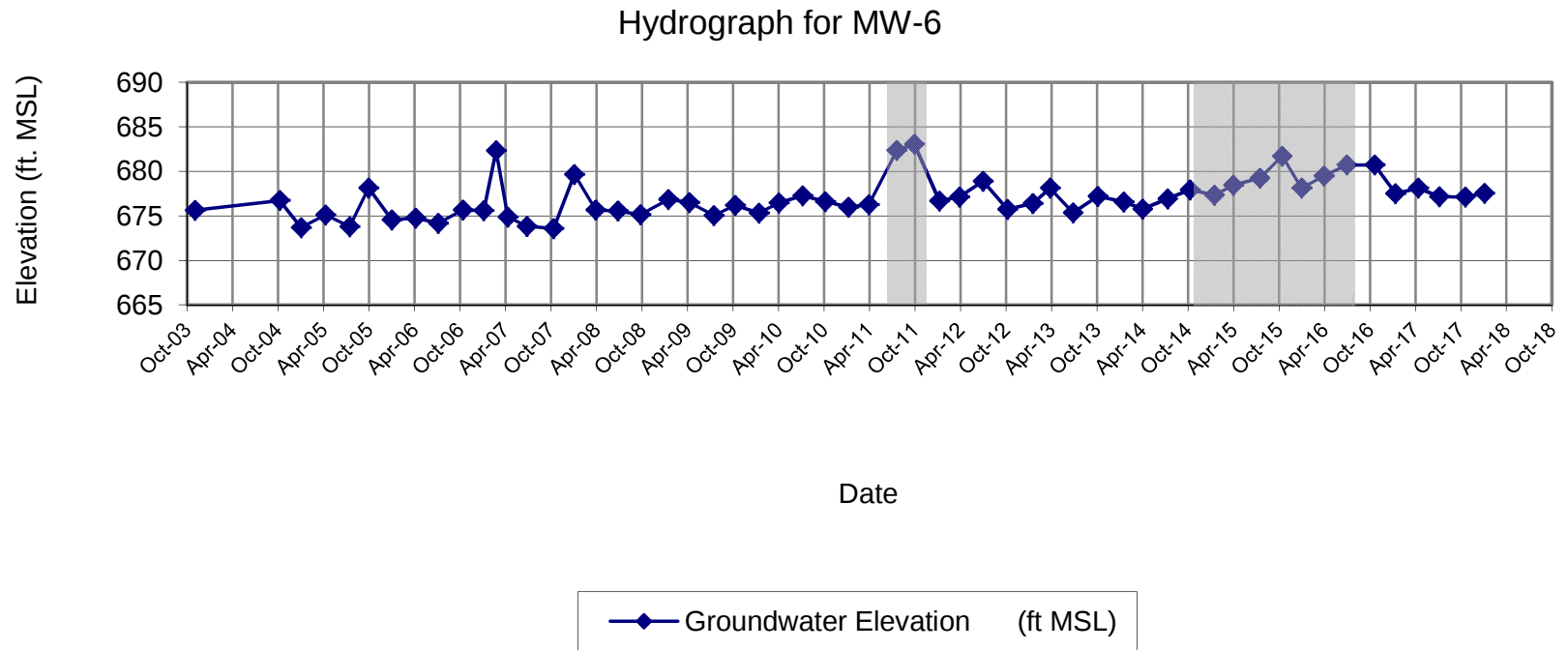
TOC Elevation re-measured on June 13, 2008 at 686.53.

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).

Monitoring well was destroyed by snow plow 3/2018.

MONITORING WELL MW-6
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



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

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

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.

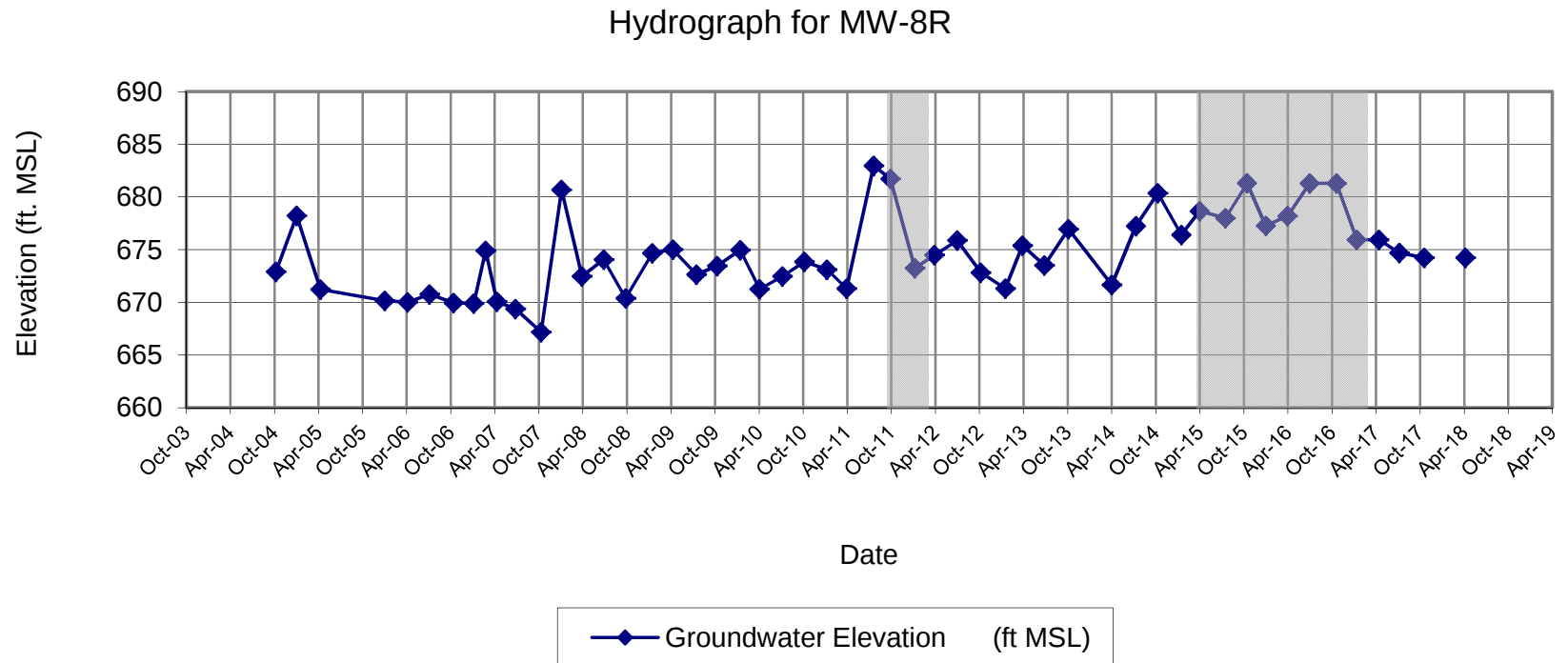
DPE off line for repairs in October 2013.

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).

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



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

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

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.

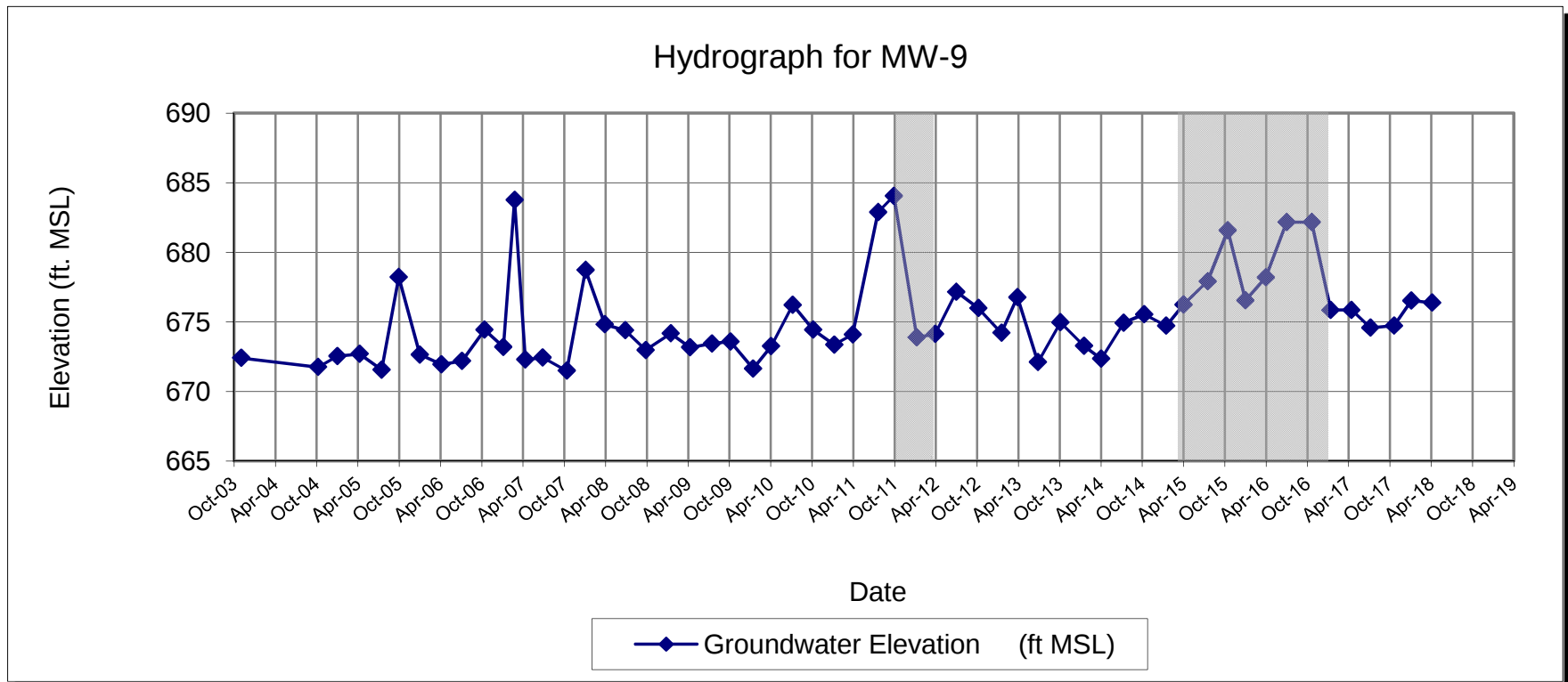
DPE off line for repairs in October 2013.

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).

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



**MONITORING WELL MW-10
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	10.75	676.97
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	10.28	677.44
4/14/2005	11.50	676.22
7/20/2005	12.43	675.29
10/4/2005	9.58	678.14
1/5/2006	11.28	676.44
4/11/2006	10.91	676.81
7/10/2006	10.90	676.82
10/18/2006	10.13	677.59
1/9/2007	10.21	677.51
2/28/2007	4.30	683.42
4/16/2007	10.93	676.79
7/2/2007	12.21	675.51
10/17/2007	13.15	674.57
1/8/2008	7.03	680.69
4/2/2008	9.91	677.81
7/1/2008	10.04	677.37
9/30/2008	11.05	676.36
1/19/2009	9.74	677.67
4/14/2009	9.14	678.27
7/21/2009	10.56	676.85
10/14/2009	9.37	678.04
1/18/2010	10.59	676.82
4/8/2010	9.35	678.06
7/12/2010	9.12	678.29
10/11/2010	10.20	677.21
1/12/2011	10.00	677.41
4/4/2011	9.61	677.80
7/25/2011	4.45	682.96
10/3/2011	4.25	683.16
1/12/2012	9.82	677.59
4/2/2012	8.51	678.90
7/5/2012	7.55	679.86
10/11/2012	10.65	676.76
1/21/2013	9.59	677.82
4/1/2013	8.30	679.11
7/1/2013	9.77	677.64
10/9/2013	8.65	678.76
1/21/2014	8.73	678.68
4/7/2014	9.25	678.16
7/16/2014	8.65	678.76
10/14/2014	8.02	679.39
1/20/2015	8.50	678.91
4/6/2015	7.40	680.01
7/22/2015	6.84	680.57
10/19/2015	5.40	682.01
1/5/2016	7.89	679.52
4/4/2016	6.67	681.03
7/5/2016	5.77	681.93
10/24/2016	5.77	681.93
1/16/2017	8.13	679.57
4/18/2017	7.54	679.57
7/11/2017	8.69	679.01
10/23/2017	8.61	679.09
1/8/2018	7.05	680.65
4/11/2018	7.00	680.70

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.

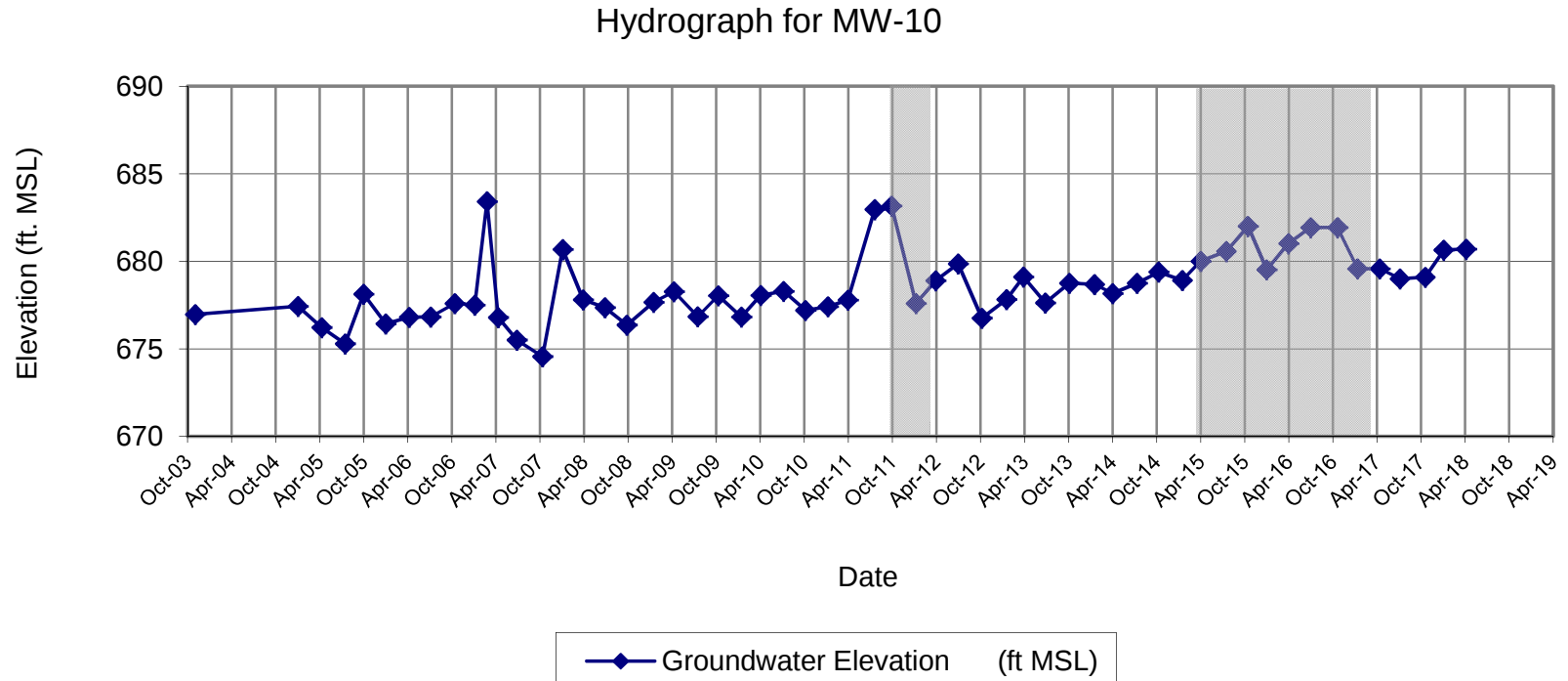
DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 687.41.

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).

MONITORING WELL MW-10
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	15.59	673.02
4/14/2005	11.59	677.02
7/20/2005	17.34	671.27
10/4/2005	10.45	678.16
1/5/2006	16.58	672.03
4/11/2006	13.52	675.09
7/10/2006	13.75	674.86
10/18/2006	14.35	674.26
1/9/2007	15.26	673.35
2/28/2007	6.34	682.27
4/16/2007	11.55	677.06
7/2/2007	17.30	671.31
10/16/2007	17.69	670.92
1/8/2008	11.73	676.88
4/2/2008	14.78	673.83
7/1/2008	13.91	674.74
9/30/2008	15.25	673.40
1/19/2009	13.45	675.20
4/14/2009	13.50	675.15
7/21/2009	14.51	674.14
10/14/2009	13.85	674.80
1/18/2010	16.38	672.27
4/8/2010	13.90	674.75
7/12/2010	12.60	676.05
10/11/2010	14.80	673.85
1/12/2011	NM	
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

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.

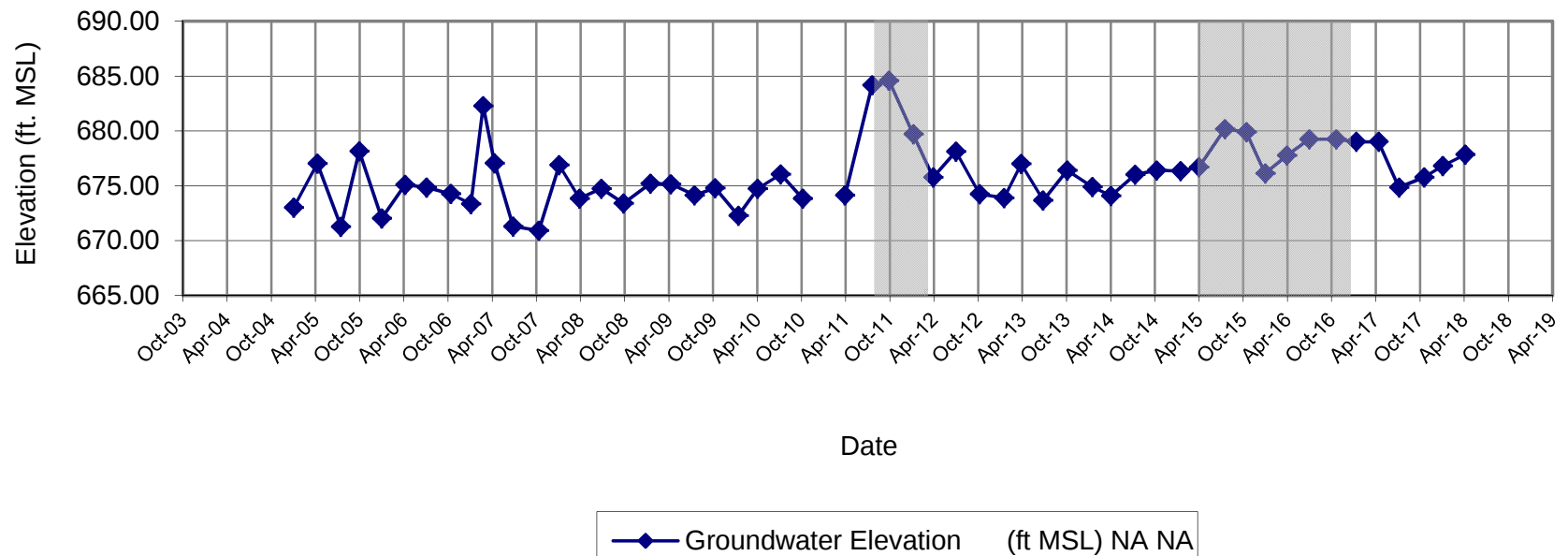
TOC Elevation re-measured on June 13, 2008 at 688.65.

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).

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

Hydrograph for MW-11



MONITORING WELL MW-12
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	10.64	675.15
1/6/2005	6.18	679.61
4/14/2005	6.80	678.99
7/20/2005	11.95	673.84
10/4/2005	7.36	678.43
1/5/2006	6.80	678.99
4/11/2006	6.76	679.03
7/10/2006	11.35	674.44
10/18/2006	NM	NA
1/9/2007	6.35	679.44
2/28/2007	NM	NA
4/16/2007	7.38	678.41
7/2/2007	11.42	674.37
10/15/2007	12.00	673.79
1/8/2008	4.31	681.48
4/2/2008	5.86	679.93
7/1/2008	7.10	679.04
9/30/2008	10.92	675.22
1/19/2009	NM	NA
4/14/2009	7.14	679
7/21/2009	9.66	676.48
10/14/2009	8.83	677.31
1/18/2010	7.40	678.74
4/8/2010	7.10	679.04
7/12/2010	8.48	677.66
10/11/2010	8.64	677.51
1/12/2011	6.32	679.83
4/4/2011	5.69	680.46
7/25/2011	3.5	682.65
10/3/2011	2.67	683.48
1/12/2012	5.41	680.74
4/2/2012	5.30	680.85
7/5/2012	7.20	678.95
10/11/2012	6.75	679.40
1/21/2013	5.51	680.64
4/1/2013	5.07	681.08
7/1/2013	7.88	678.27
10/9/2013	5.20	680.95
1/21/2014	NM	NA
4/7/2014	5.76	680.39
7/16/2014	6.60	679.55
10/14/2014	5.15	681.00
1/20/2015	NM	NA
4/6/2015	4.10	682.05
7/22/2015	4.82	681.33
10/19/2015	3.80	682.35
1/5/2016	3.94	682.21
4/4/2016	3.67	682.52
7/5/2016	4.29	681.90
10/24/2016	4.29	681.90
1/16/2017	4.40	681.79
4/18/2017	4.59	681.79
7/11/2017	6.98	679.21
10/23/2017	6.21	679.98
1/8/2018	NM	
4/11/2018	3.84	679.98

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.79

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

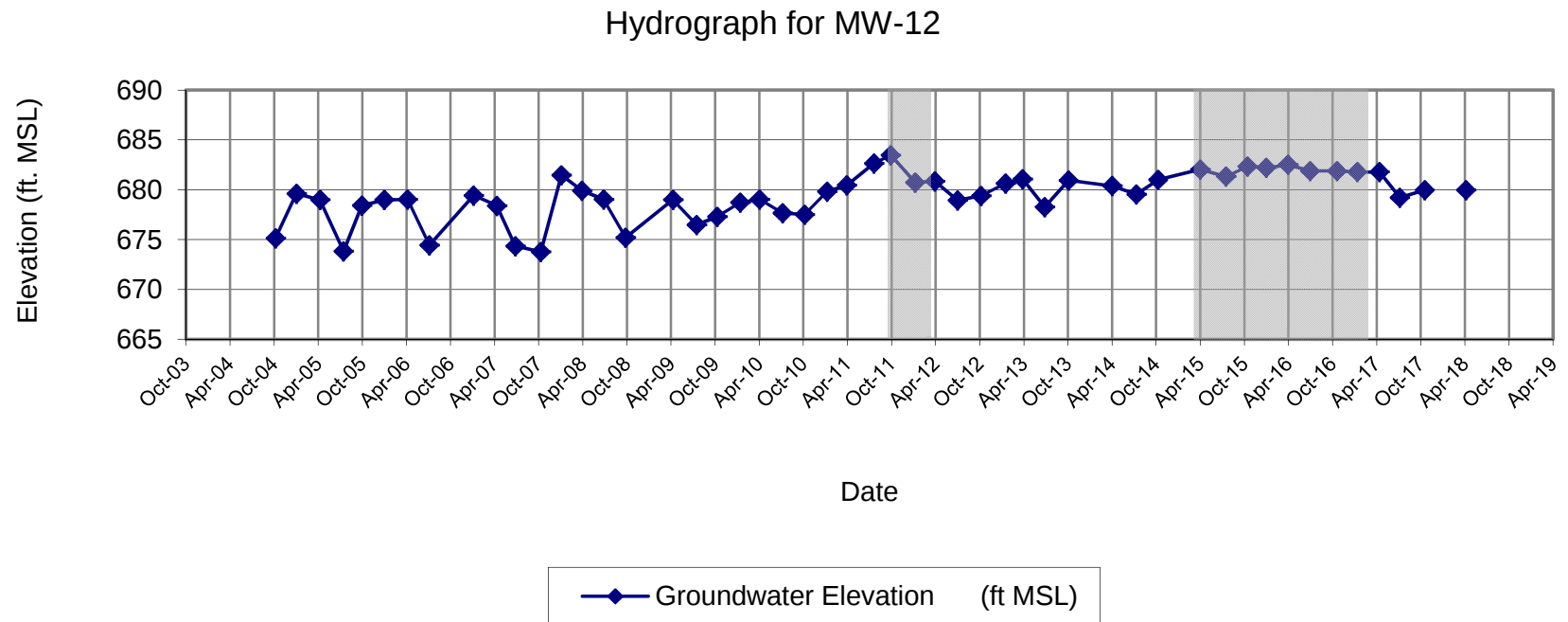
DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 686.15.

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).

MONITORING WELL MW-12
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



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

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

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.

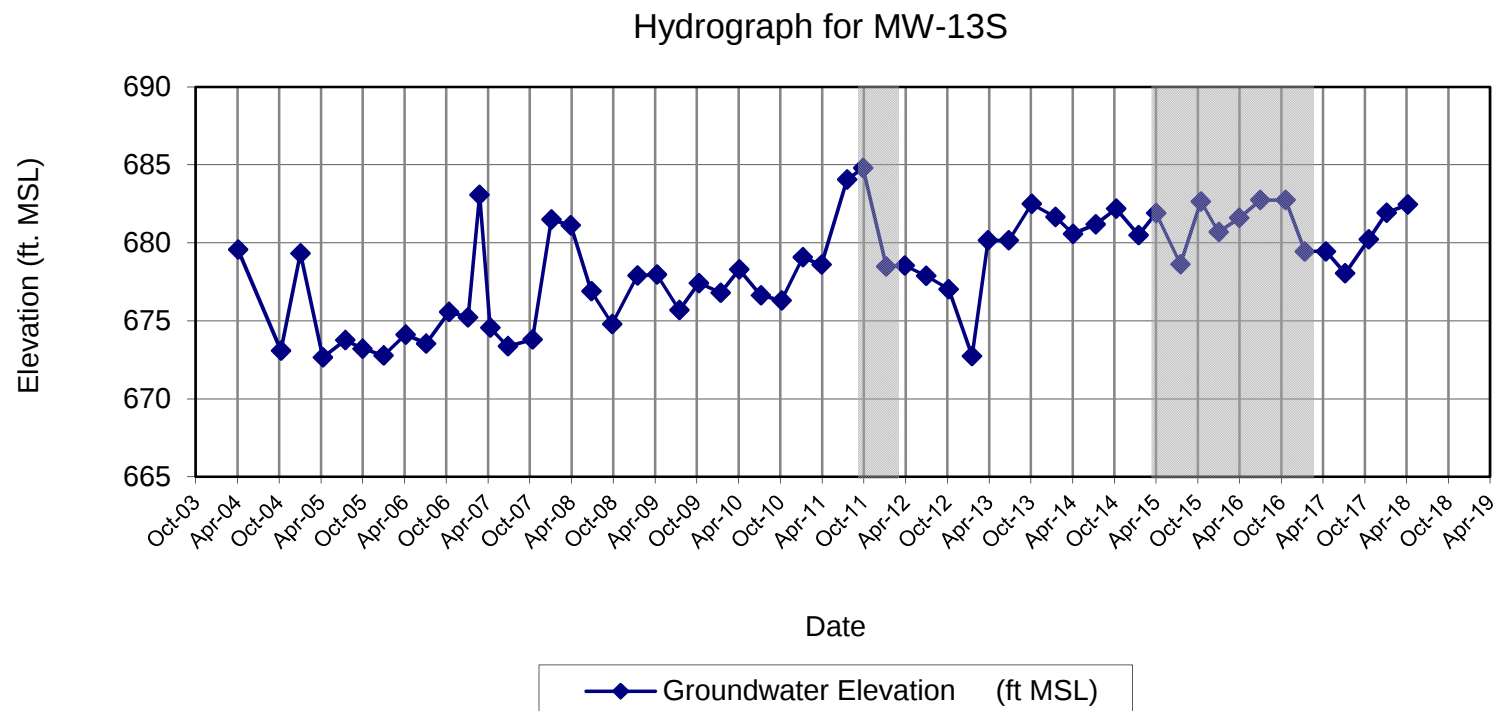
DPE off line for repairs in October 2013.

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).

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



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

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

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.

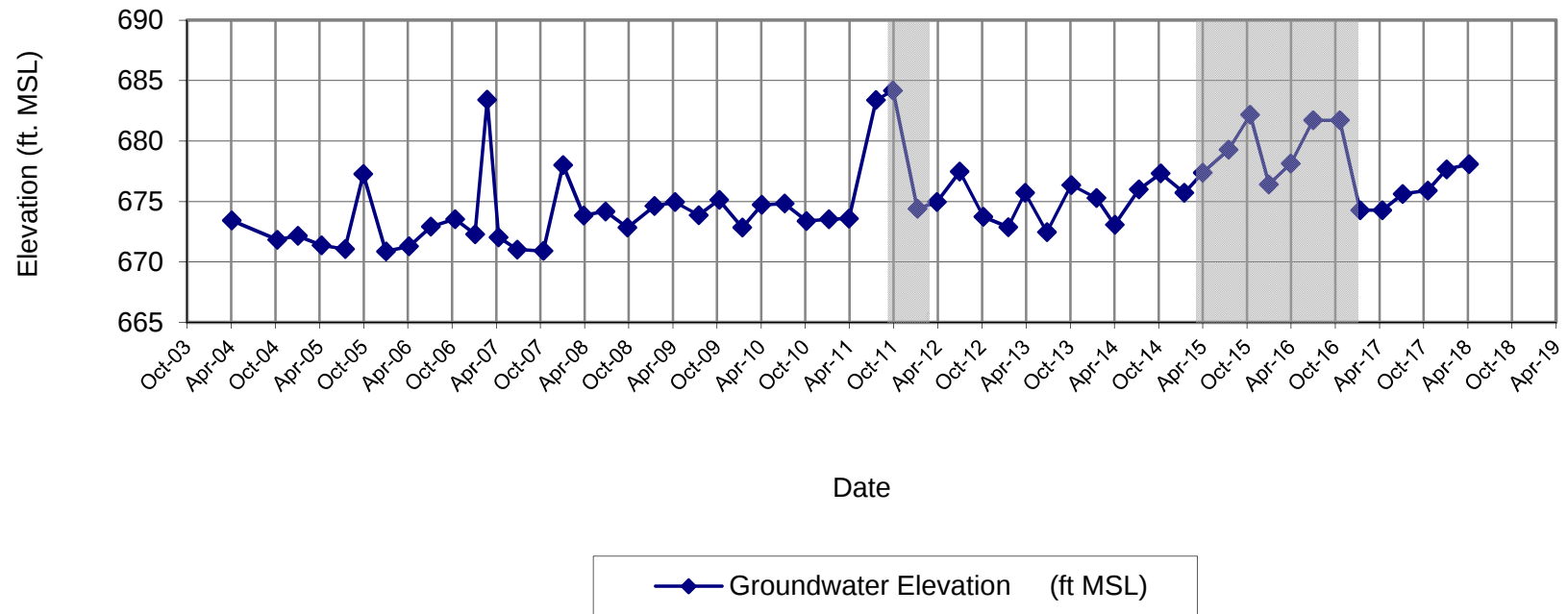
TOC Elevation re-measured on June 13, 2008 at 686.73.

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).

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

Hydrograph for MW-13D



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

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

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.

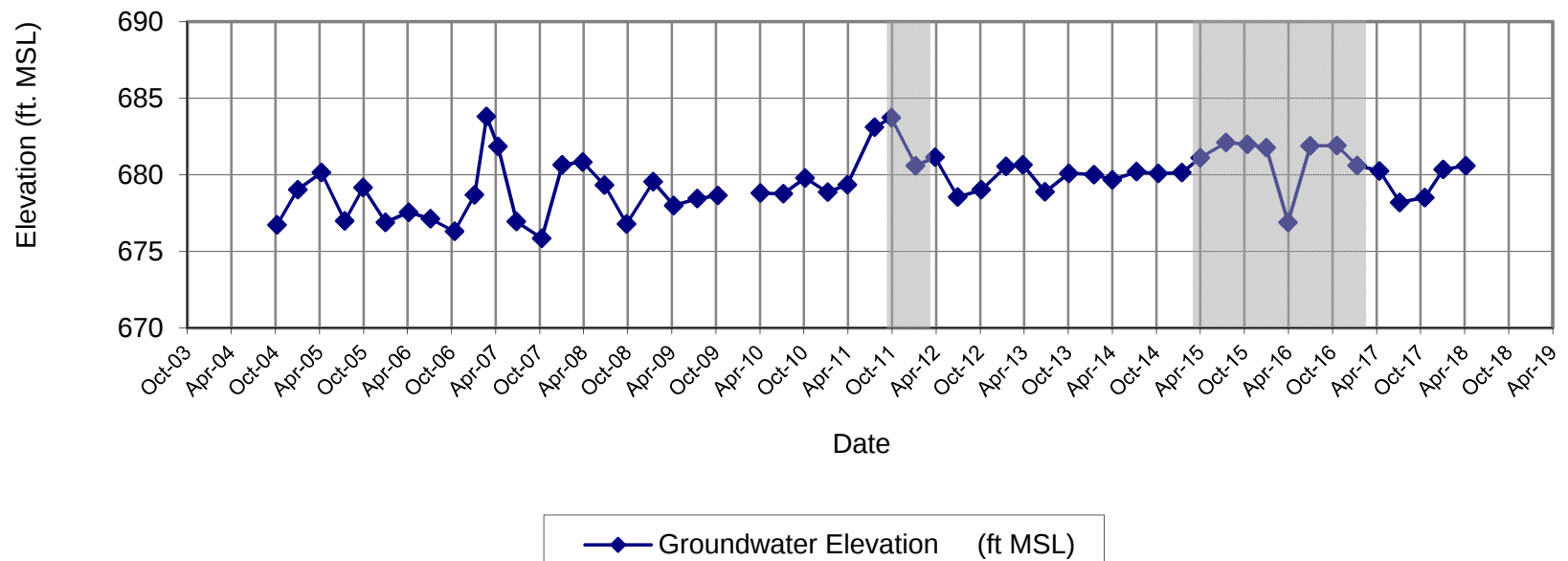
TOC Elevation re-measured on June 13, 2008 at 685.70.

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).

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

Hydrograph for MW-14S



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

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

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.

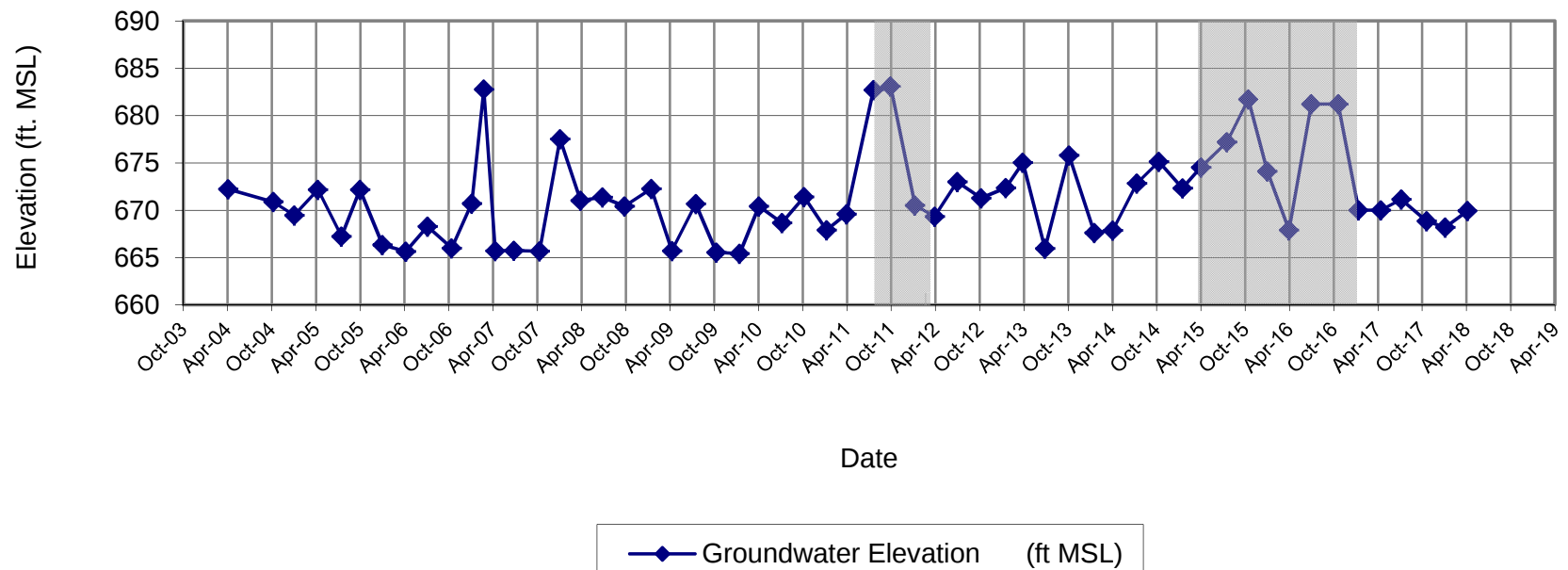
TOC Elevation re-measured on June 13, 2008 at 685.82.

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).

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

Hydrograph for MW-14D



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

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

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.

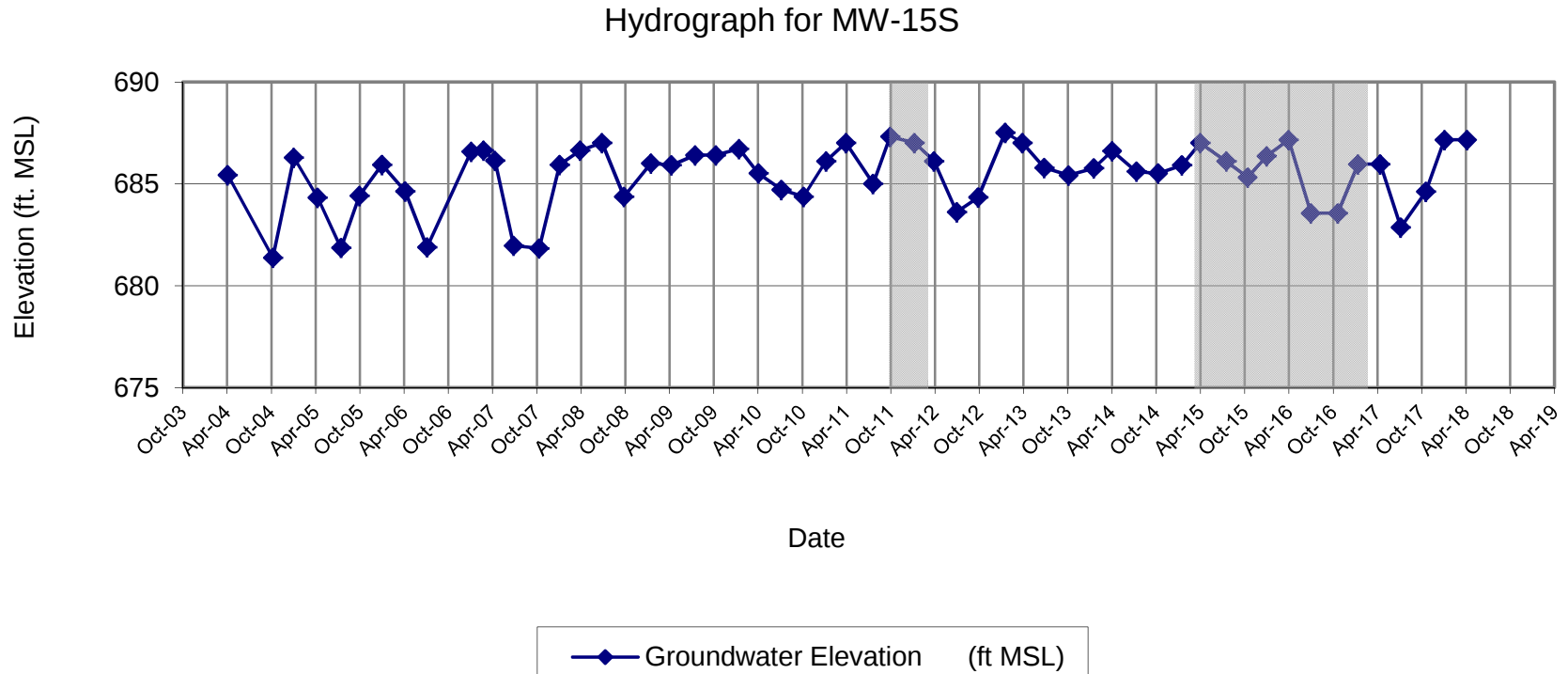
Measured from ground surface on April 4, 2016 at 687.87.

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).

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



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

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

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.

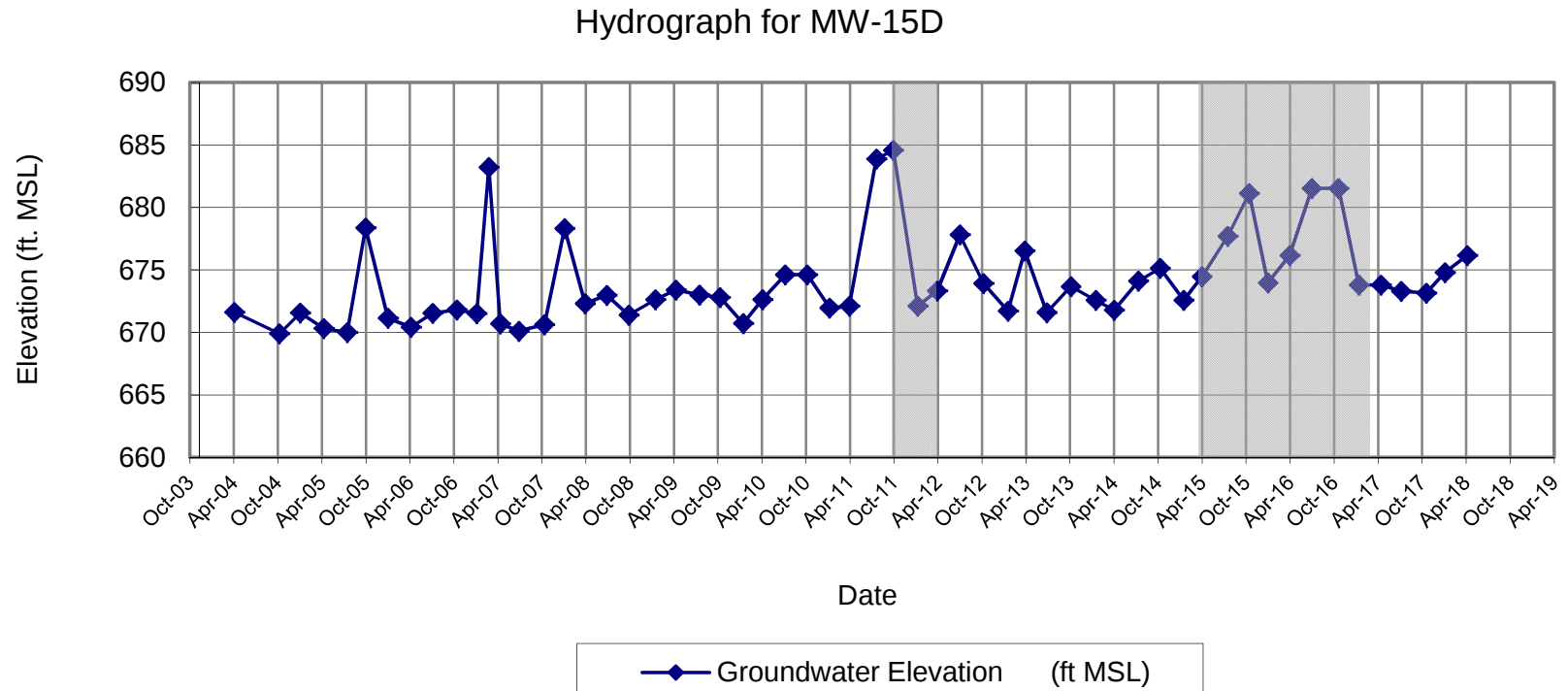
TOC Elevation re-measured on June 13, 2008 at 687.62.

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).

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



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

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

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.

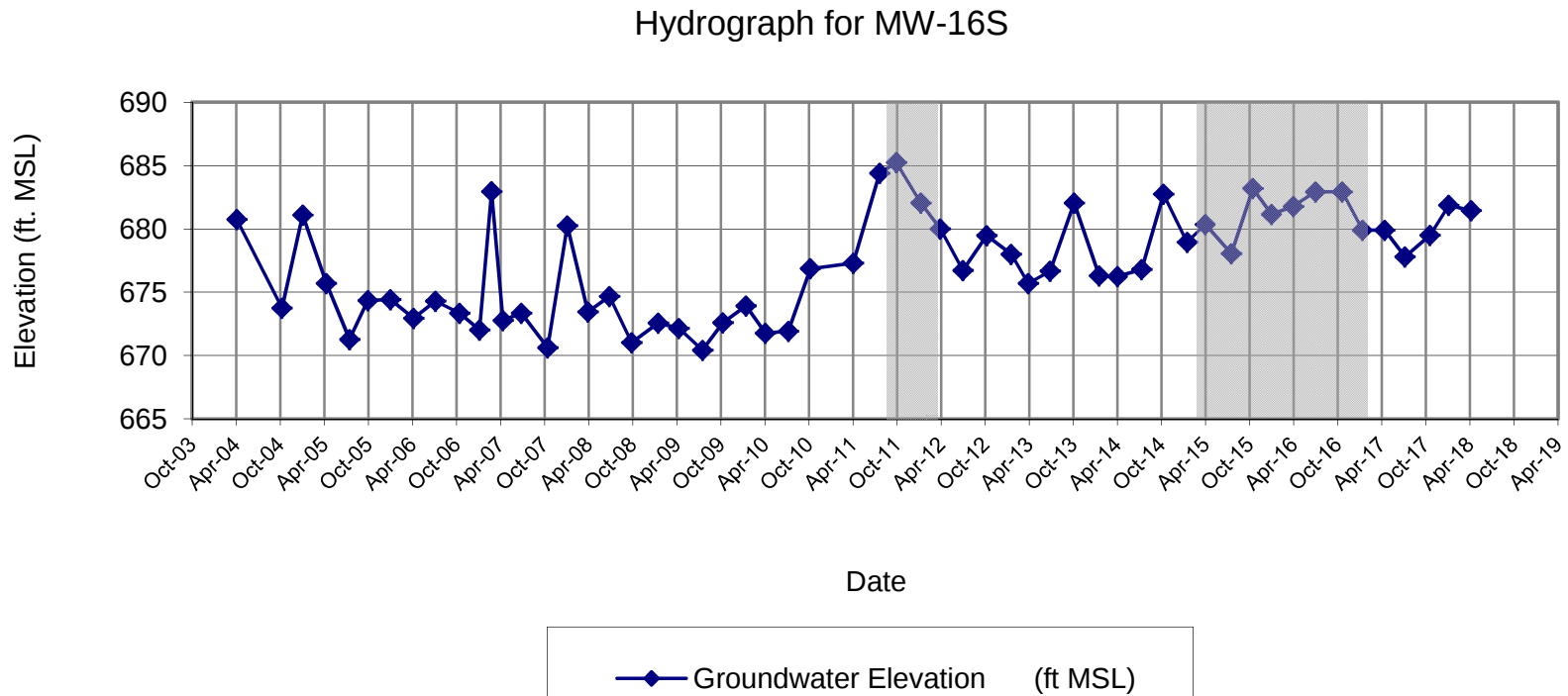
TOC Elevation re-measured on June 1, 2015 at 688.19.

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).

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



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

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

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.

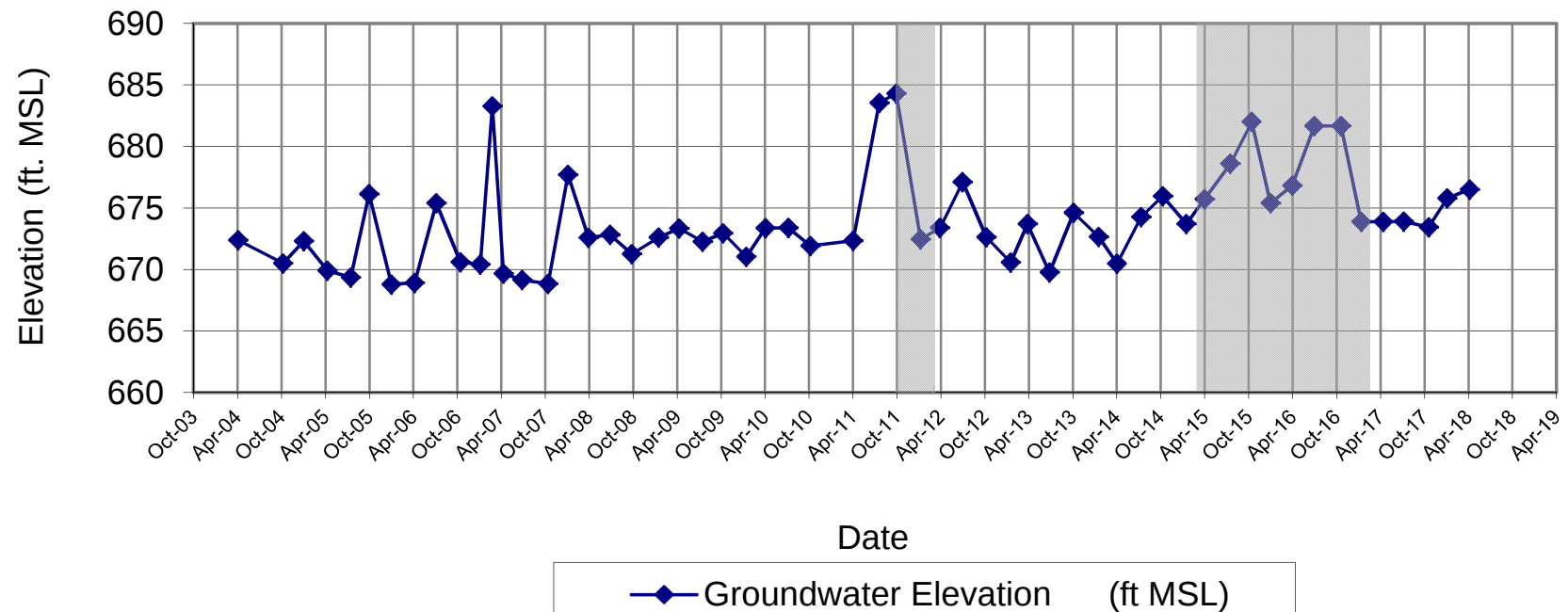
TOC Elevation re-measured on February 23, 2016 at 688.16.

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).

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

Hydrograph for MW-16D



Appendix D

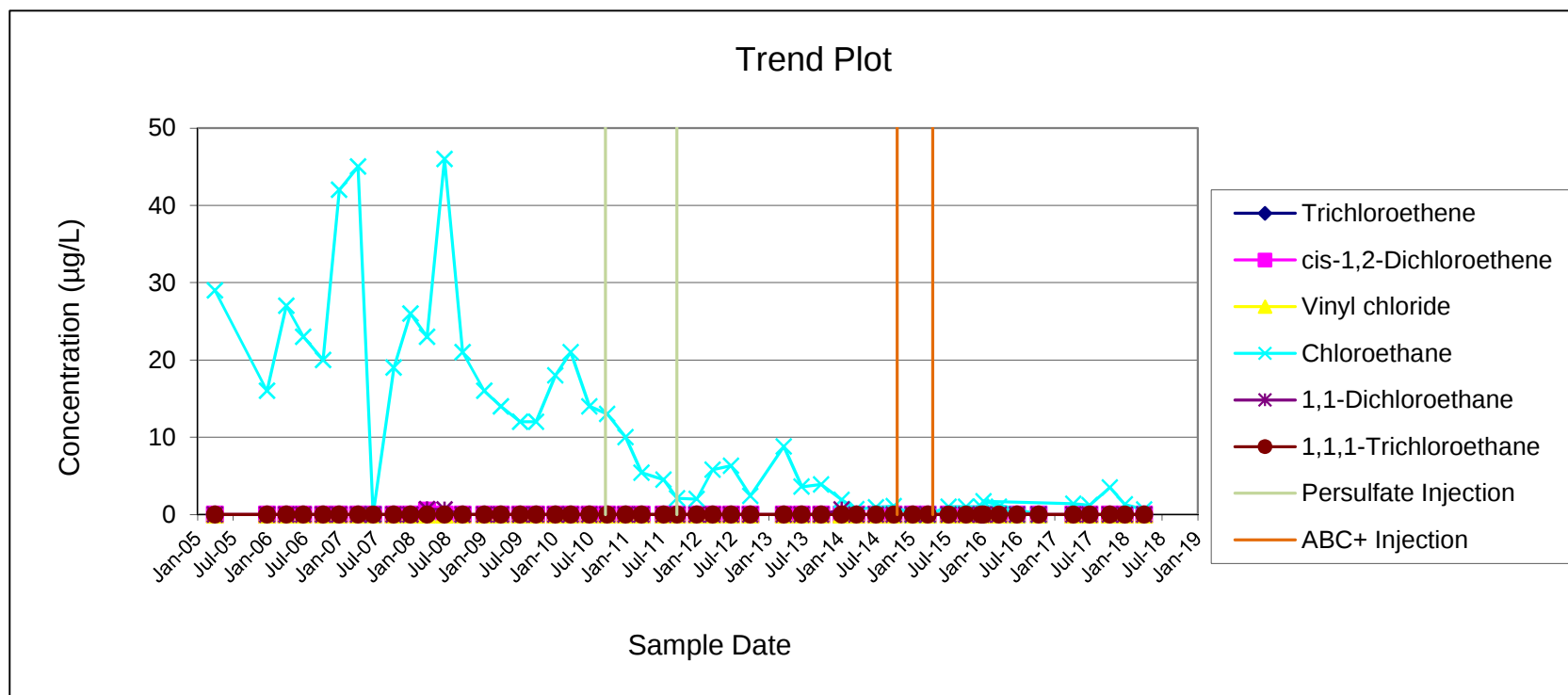
Current and Historical Summary of VOCs in Groundwater

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

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

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

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

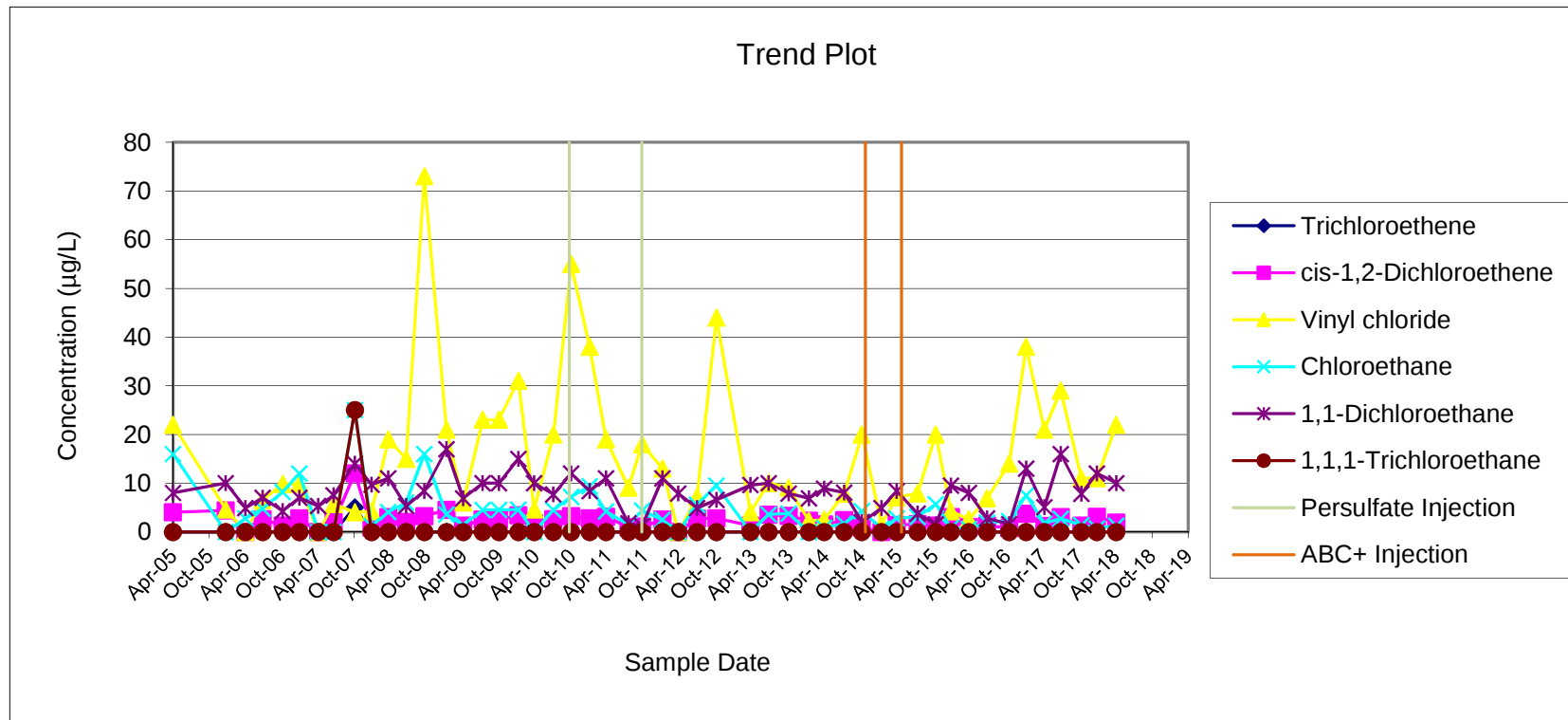


Note TCE data from 10/11/10 was reported in error as 350 µg/L and cis-1,2-DCE was reported as 25 µg/L.

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

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

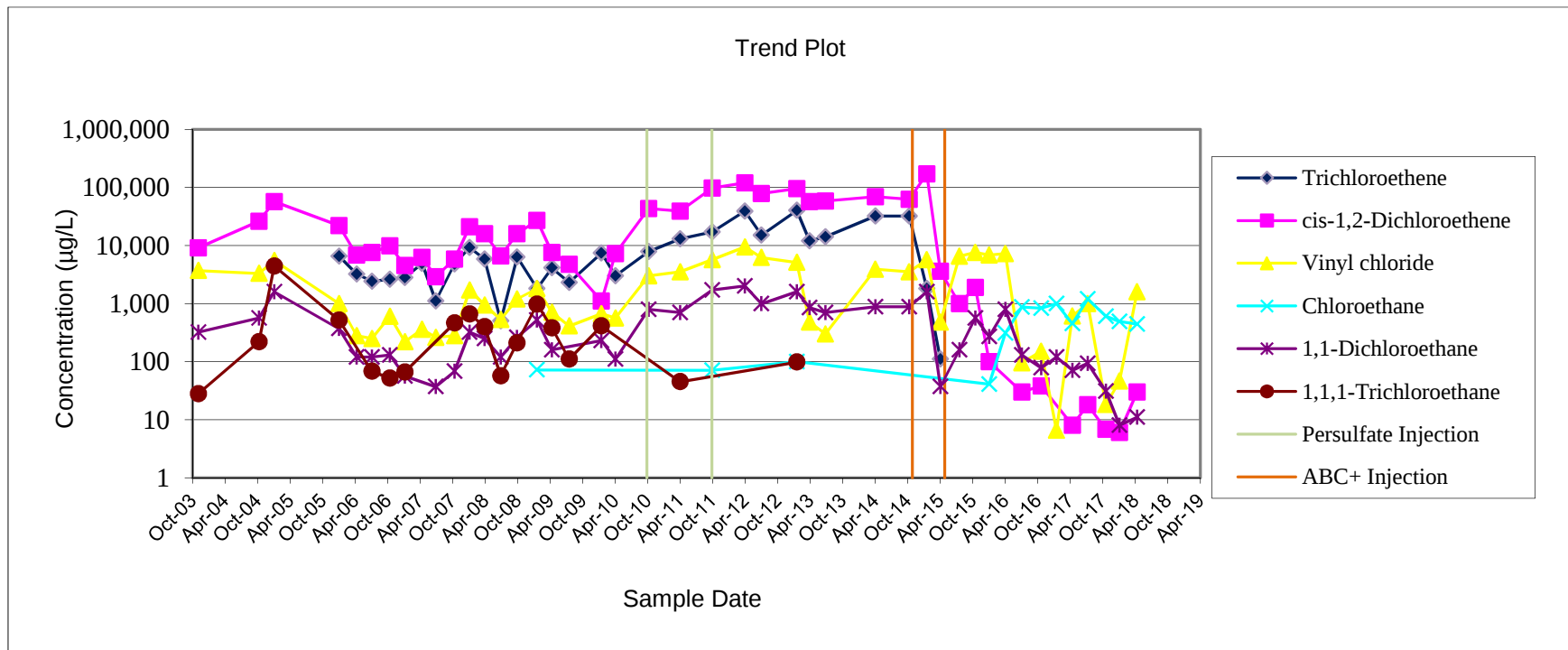
MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-4
SUMMARY OF 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	<1000	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	7	1,000	120	<20
4/18/2017	<5	8	610	450	71	<5
7/13/2017	<20	18	1,000	1,200	93	<20
10/23/2017	<20	7	18	600	31	<20
1/8/2018	<5	6	46	490	8	<5
4/17/2018	<20	30	1,600	440	11	<5

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



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

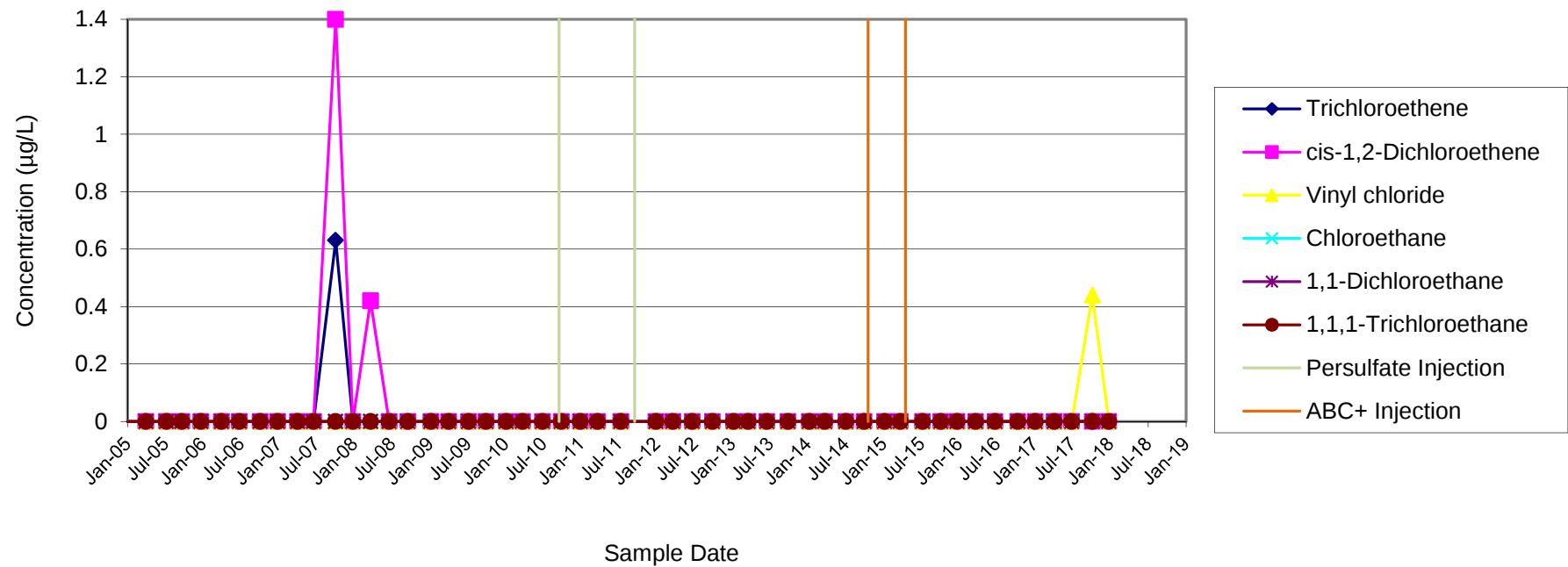
**MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

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

Note well was destroyed by a snow plow prior to the April 2018 sampling event.

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

Trend Plot

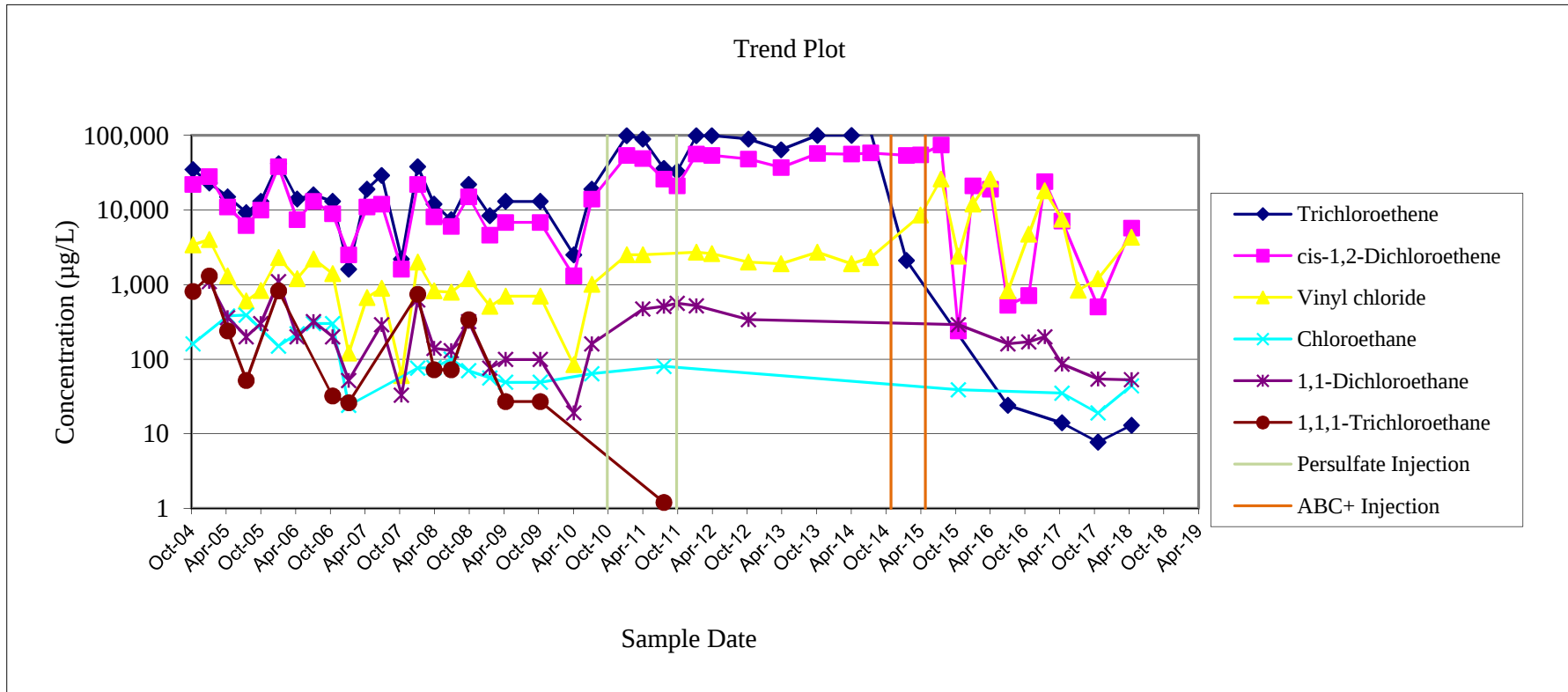


MONITORING WELL MW-8R
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

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



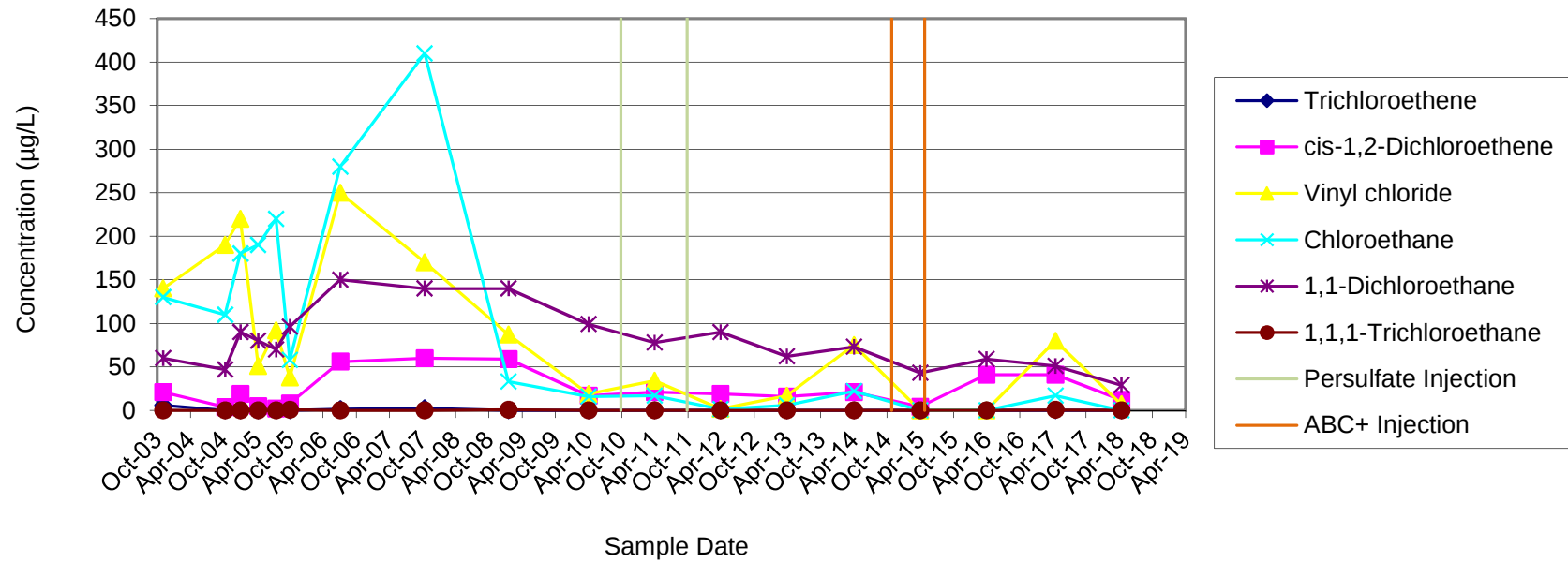
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

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

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

Trend Plot

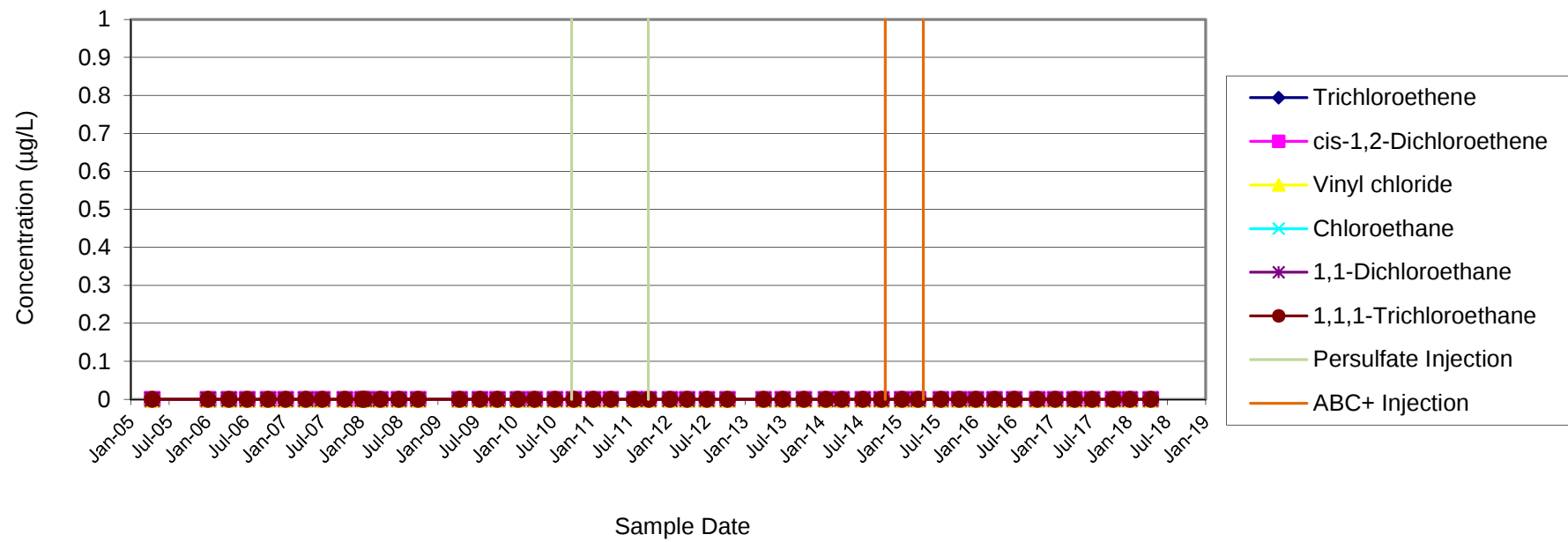


MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

Trend Plot

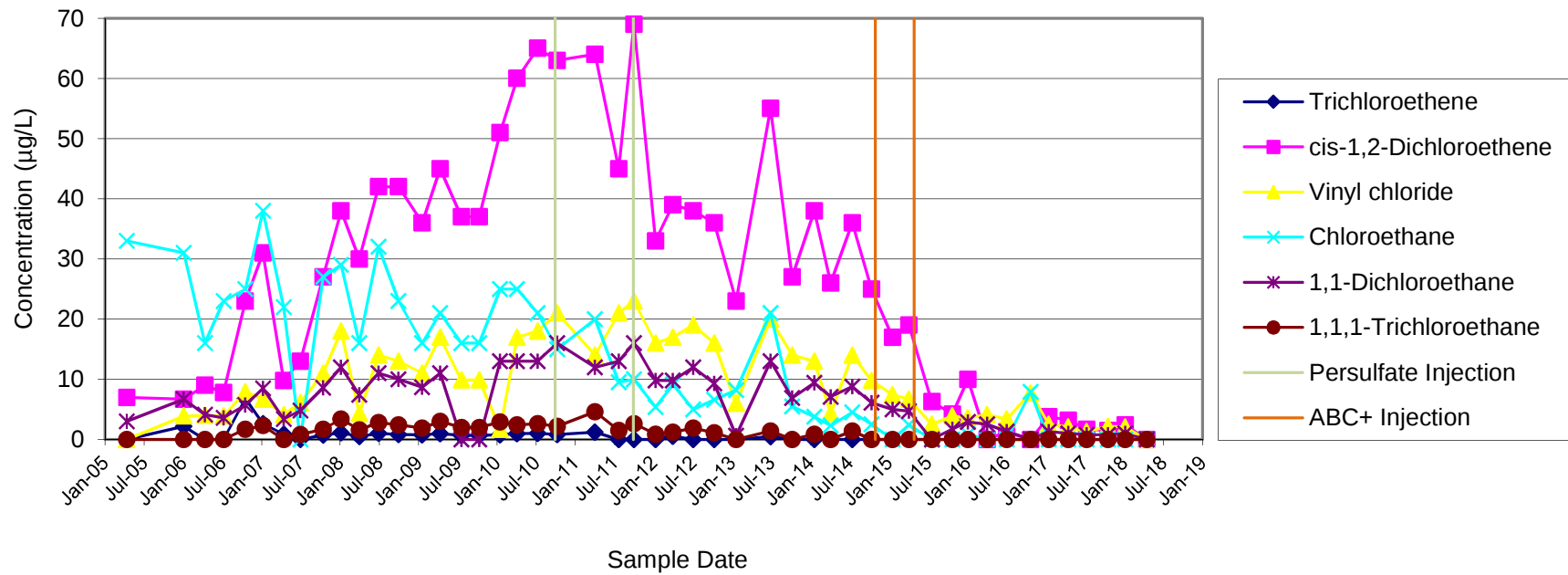


MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

Trend Plot



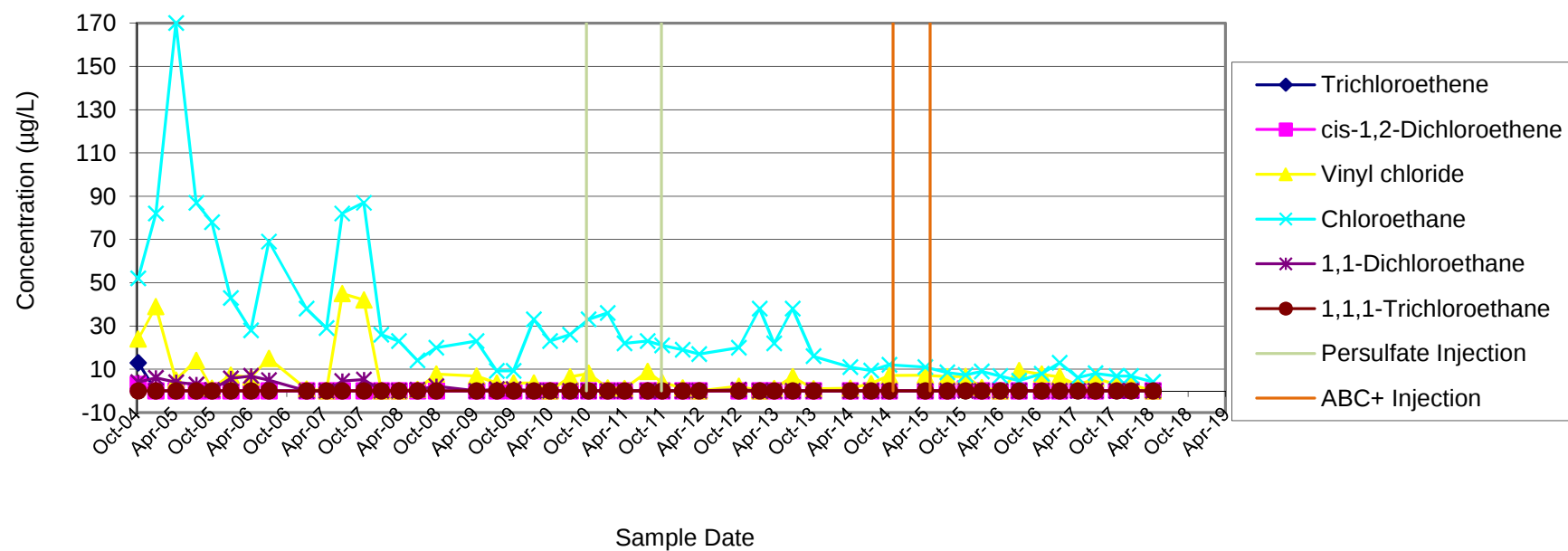
MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

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

Trend Plot

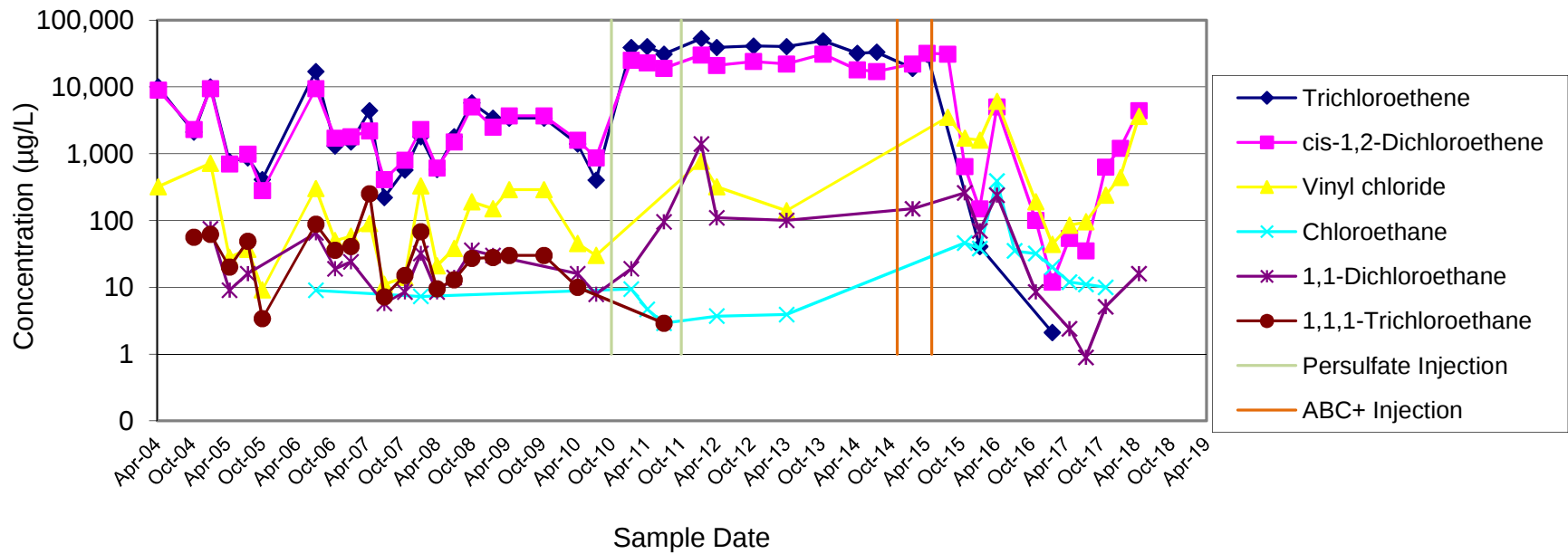


PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

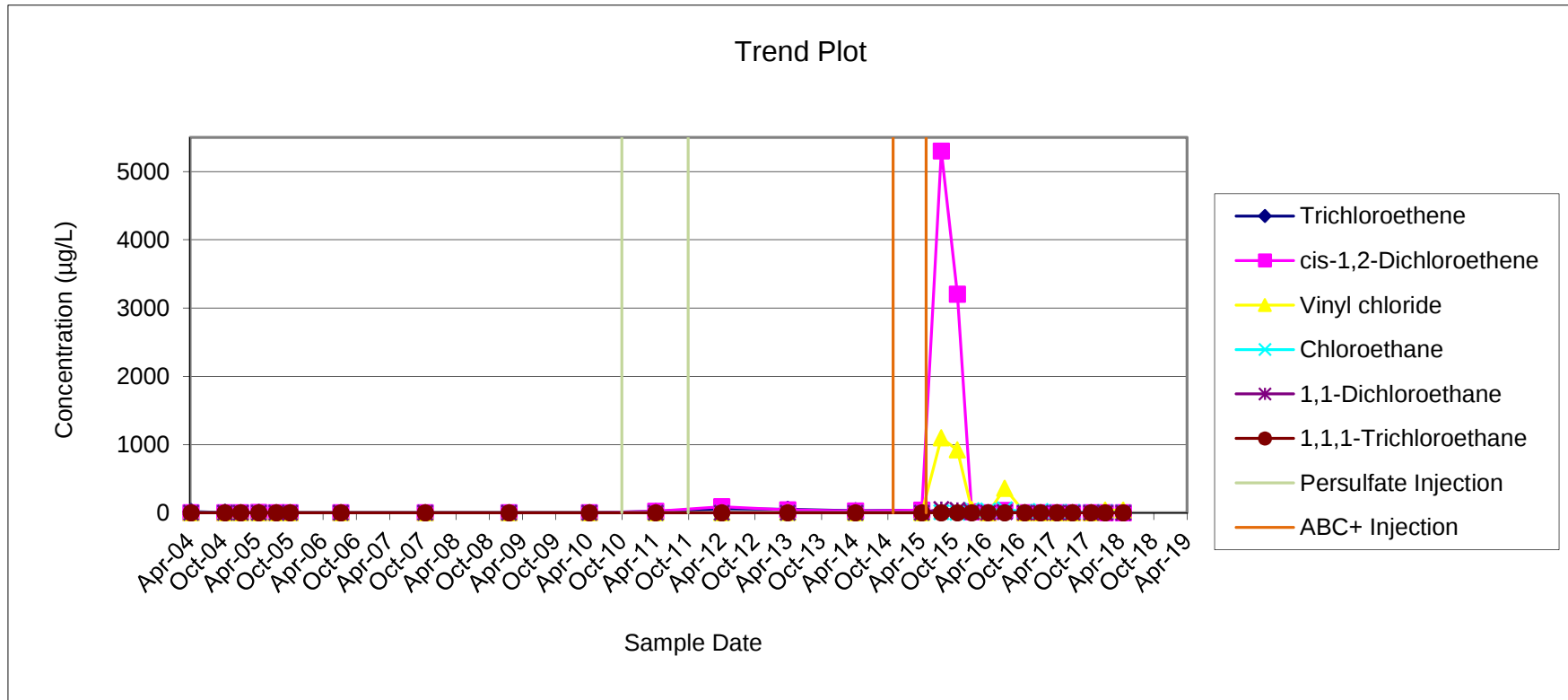
Trend Plot



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

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

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

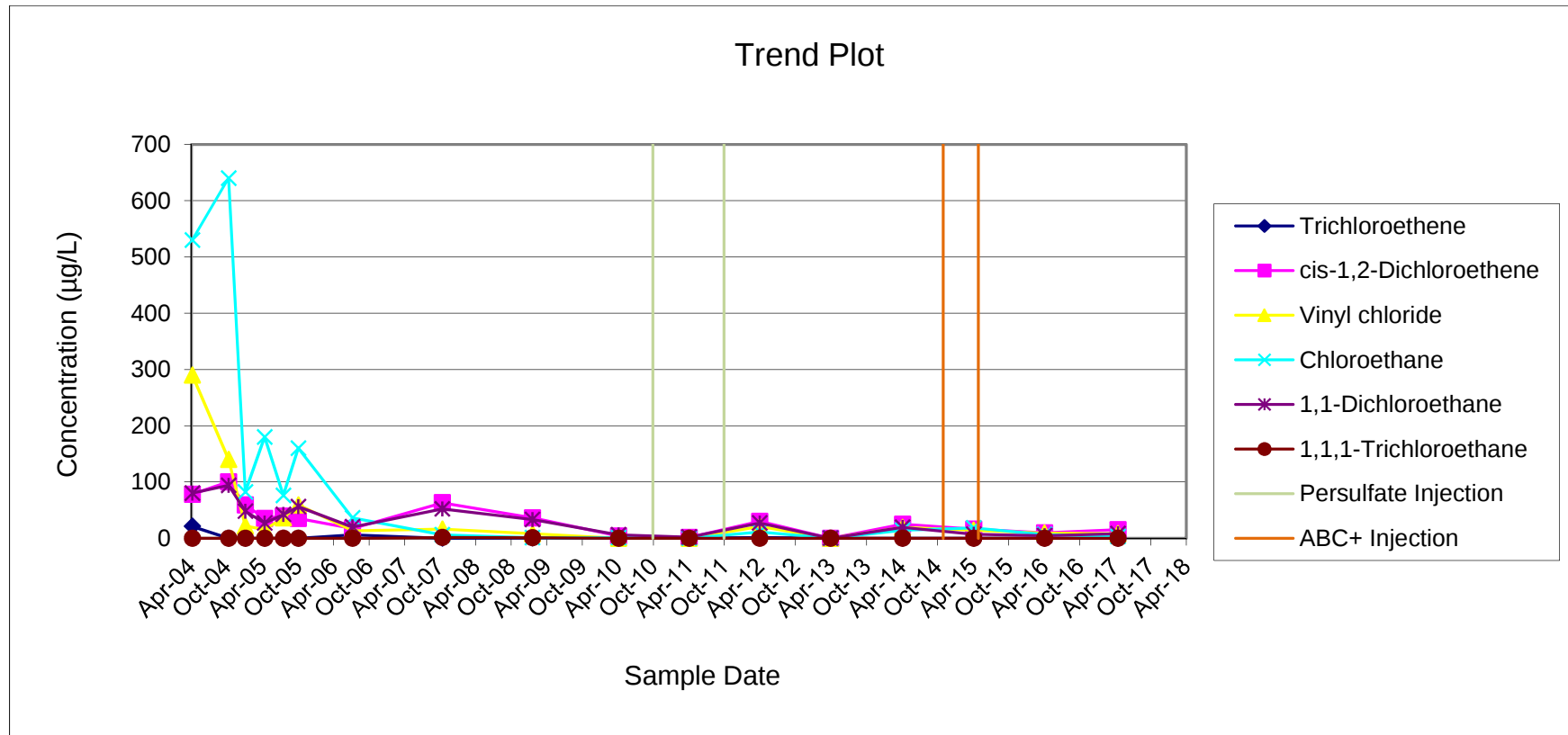


PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

Well was flooded and not sampled in April 2018.

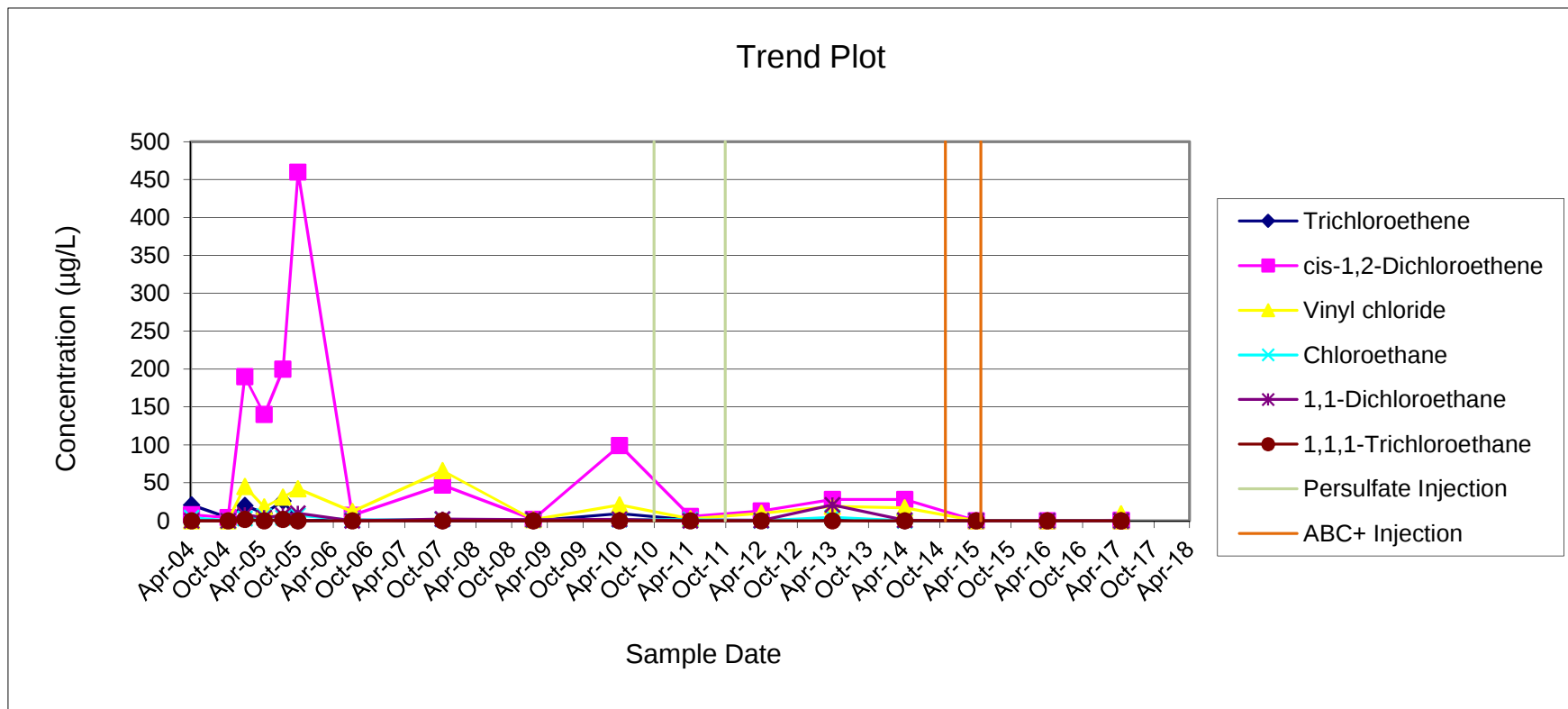
PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	8	< 10	4	< 10	< 10
10/12/2004	4	4	< 10	< 10	< 10	< 10
1/6/2005	20	190	45	3	8	2
4/15/2005	10	140	18	6	4	< 10
7/20/2005	26	200	31	4	7	2
10/5/2005	< 10	460	42	7.2	9.9	<10
7/10/2006	0.96	7.2	12	0.82	< 5	< 5
10/15/2007	< 5	47	66	1.8	2.2	< 5
1/21/2009	<5	2	1.4	0.91	1.3	<5
4/8/2010	9.4	99	21	1.5	2	<5
4/5/2011	0.97	5.6	2.6	1.5	<1	<1
4/2/2012	0.64	13	9.9	<1	0.44	<1
4/1/2013	0.99	28	19	4.6	21	<1
4/7/2014	<1	28	17	<1	0.82	<1
4/7/2015	<1	<1	<1	<1	<1	<1
4/5/2016	<1	<1	<1	<1	<1	<1
4/18/2017	<1	0.65	<1	<1	<1	<1
4/18/2017	<1	<1	9.0	<1	<1	<1

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

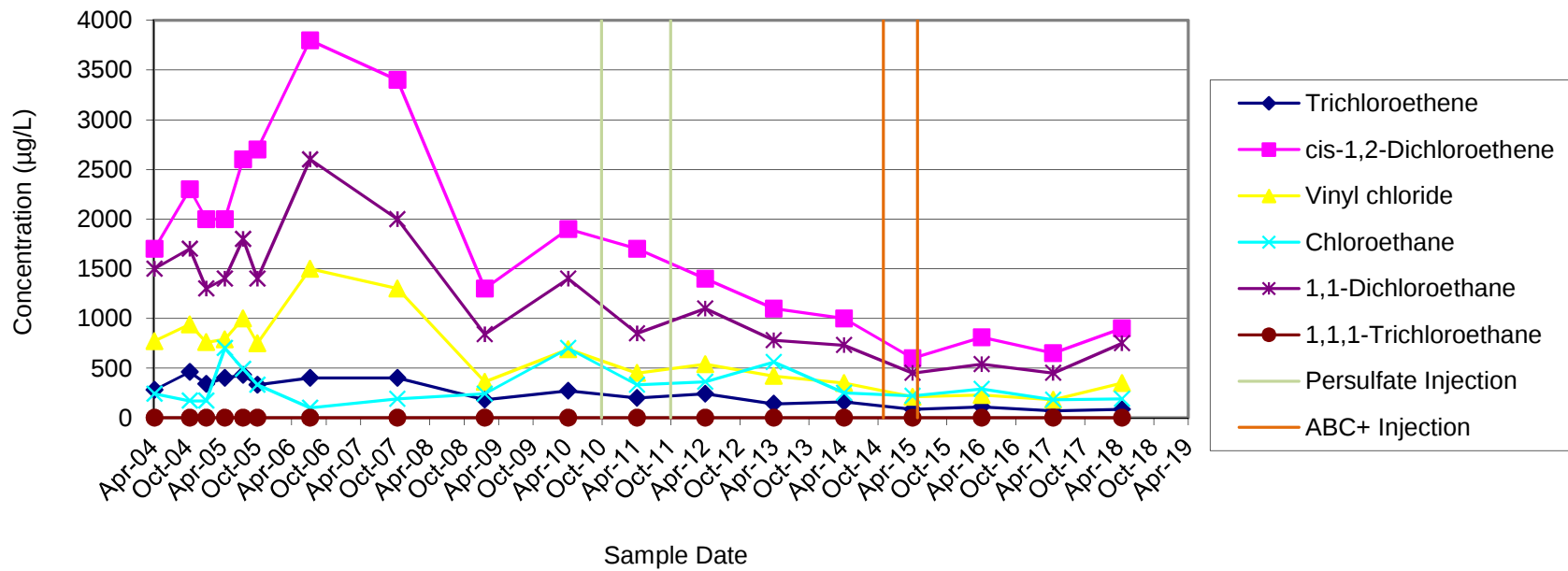


PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

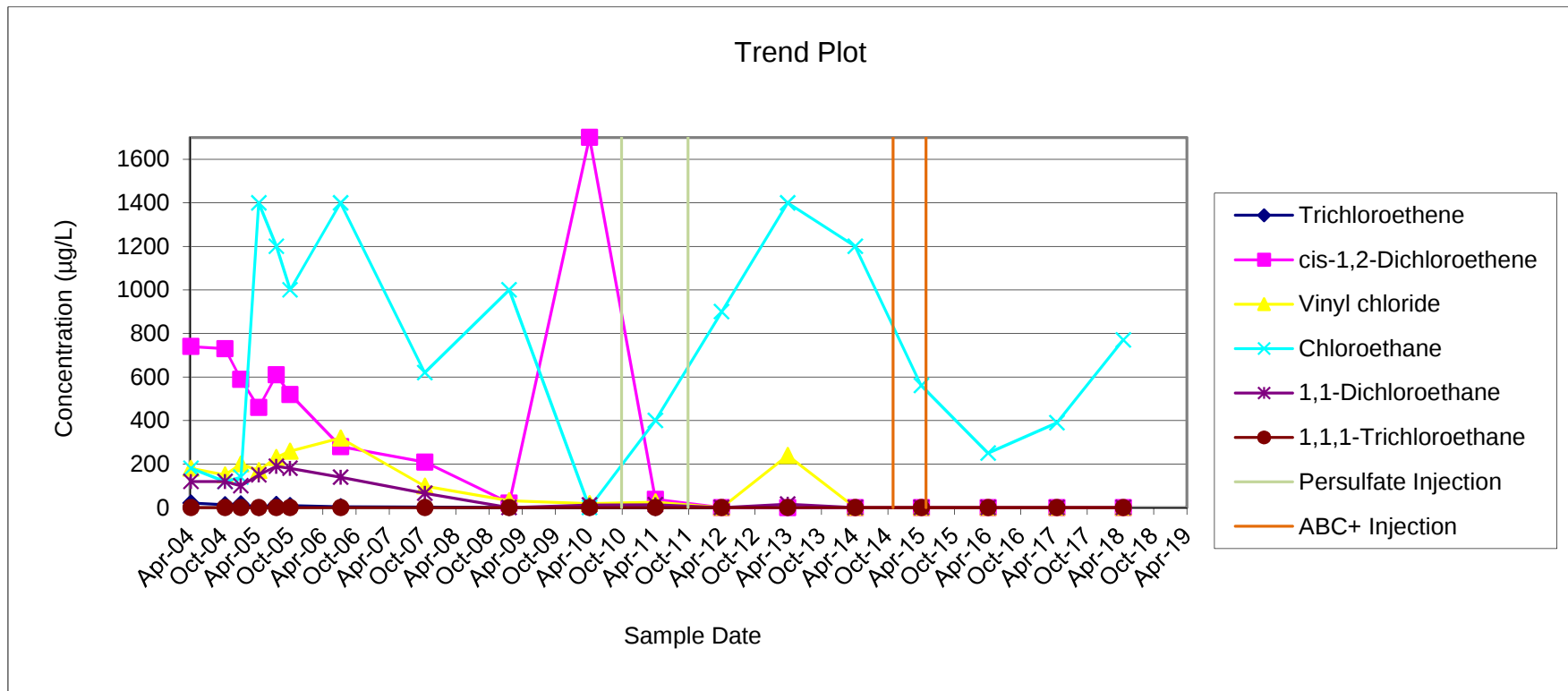
Trend Plot



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

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

**PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

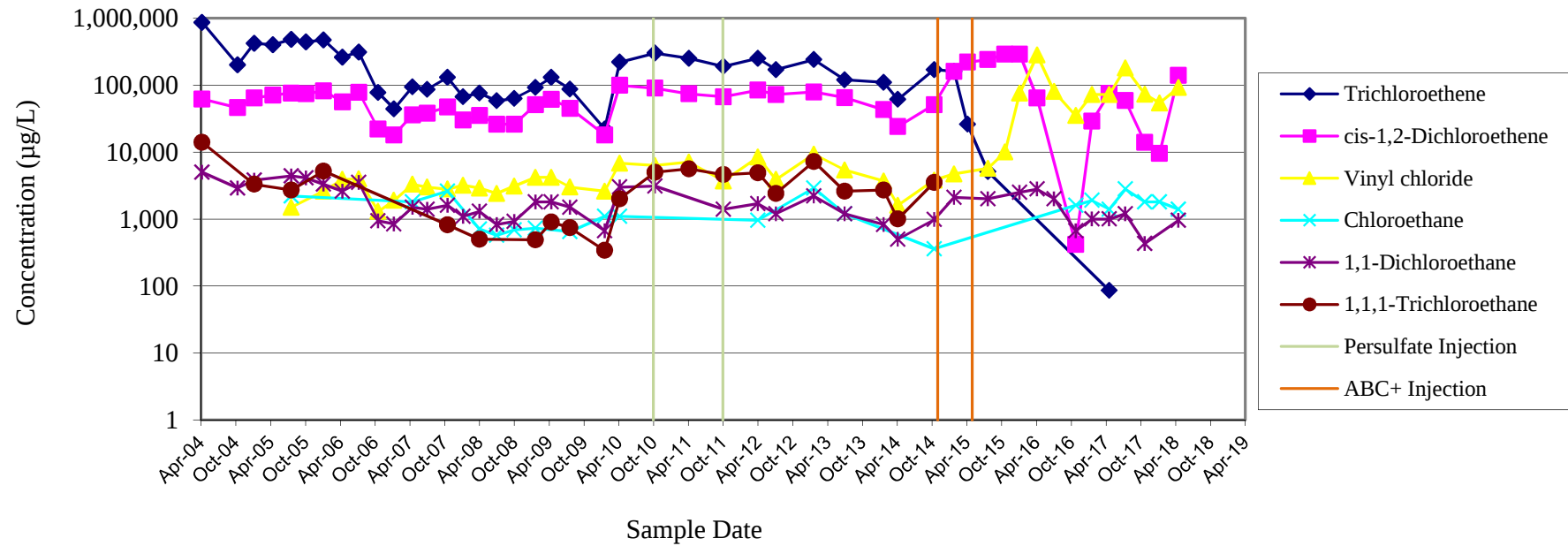


PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

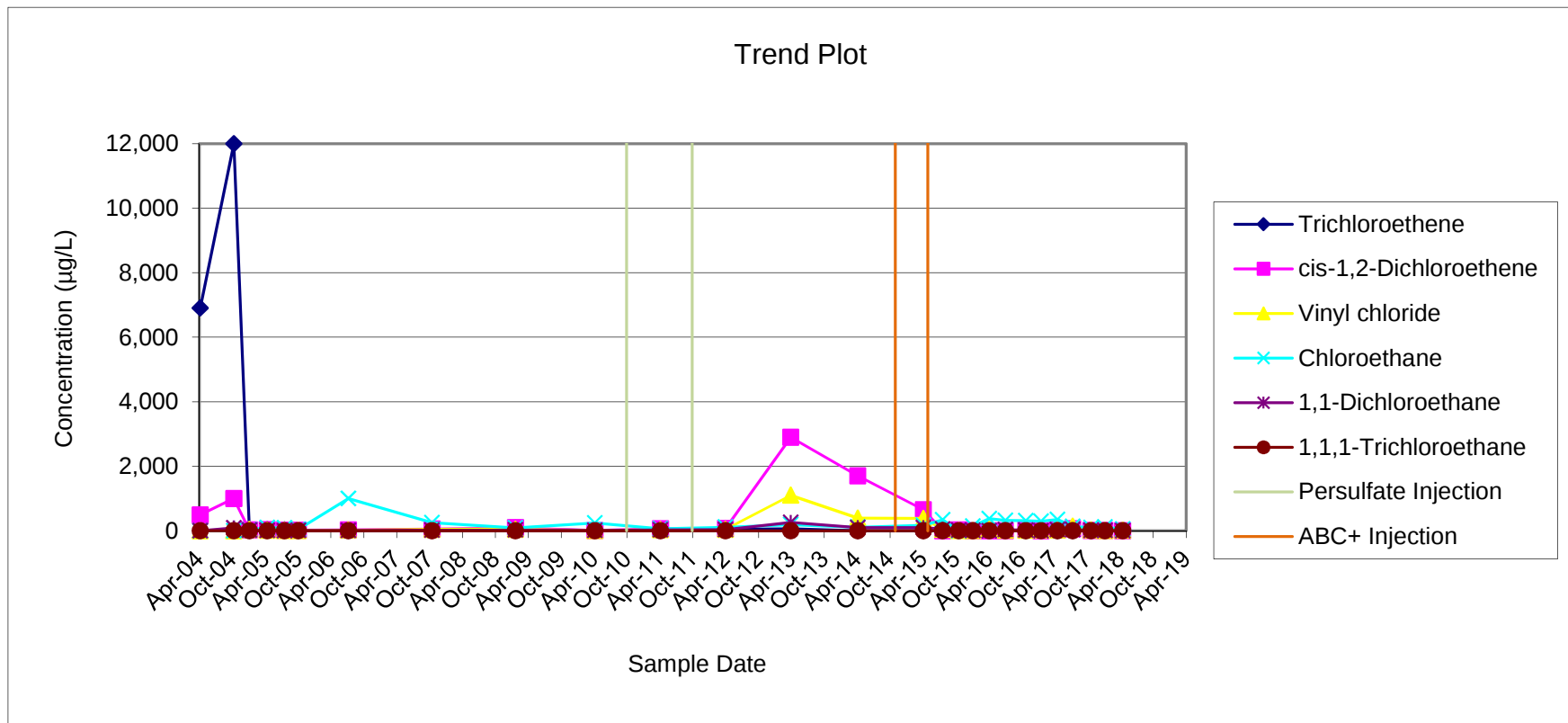
Trend Plot



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

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

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



Appendix E
Analytical Laboratory Data Packages
(Provided on CD)

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

Tel: (802)660-1990

TestAmerica Job ID: 200-43085-1

Client Project/Site: Scott Figgie West of Plant 2

For:

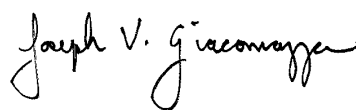
AECOM

257 West Genesee Street

Suite 400

Buffalo, New York 14202-2657

Attn: Mr. Dino Zack



Authorized for release by:

4/26/2018 10:47:37 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 200-43085-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

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

TestAmerica Job ID: 200-43085-1

Job ID: 200-43085-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-43085-1

Comments

No additional comments.

Receipt

The samples were received on 4/14/2018 12:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): AS-2Q18 (200-43085-1). The container label lists canister ID as 2694, while the COC lists canister ID as 2594. Used canister ID from barcode on canister for login. The client was contacted.

Air Toxics

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

Client Sample Results

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

TestAmerica Job ID: 200-43085-1

Client Sample ID: AS-2Q18

Date Collected: 04/12/18 09:00

Date Received: 04/14/18 12:05

Sample Container: Summa Canister 6L

Lab Sample ID: 200-43085-1

Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,1-Dichloroethane	0.23		0.20	0.20	ppb v/v			04/17/18 03:25	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,2-Dichloroethene, Total	11		0.40	0.40	ppb v/v			04/17/18 03:25	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,3-Dichlorobenzene	0.42		0.20	0.20	ppb v/v			04/17/18 03:25	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			04/17/18 03:25	1
2,2,4-Trimethylpentane	0.33		0.20	0.20	ppb v/v			04/17/18 03:25	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Acetone	5.0	U	5.0	5.0	ppb v/v			04/17/18 03:25	1
Benzene	0.22		0.20	0.20	ppb v/v			04/17/18 03:25	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Carbon disulfide	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Chloroethane	19		0.50	0.50	ppb v/v			04/17/18 03:25	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
cis-1,2-Dichloroethene	10		0.20	0.20	ppb v/v			04/17/18 03:25	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			04/17/18 03:25	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
Methyl Ethyl Ketone	0.98		0.50	0.50	ppb v/v			04/17/18 03:25	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-43085-1

Client Sample ID: AS-2Q18

Lab Sample ID: 200-43085-1

Date Collected: 04/12/18 09:00

Matrix: Air

Date Received: 04/14/18 12:05

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.50	U	0.50	0.50	ppb v/v			04/17/18 03:25	1
n-Heptane	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
n-Hexane	0.29		0.20	0.20	ppb v/v			04/17/18 03:25	1
Styrene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			04/17/18 03:25	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			04/17/18 03:25	1
Toluene	0.32		0.20	0.20	ppb v/v			04/17/18 03:25	1
trans-1,2-Dichloroethene	1.4		0.20	0.20	ppb v/v			04/17/18 03:25	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1
Trichlorofluoromethane	0.20		0.20	0.20	ppb v/v			04/17/18 03:25	1
Vinyl chloride	0.89		0.20	0.20	ppb v/v			04/17/18 03:25	1
Xylene (total)	0.70	U	0.70	0.70	ppb v/v			04/17/18 03:25	1
Xylene, o-	0.20	U	0.20	0.20	ppb v/v			04/17/18 03:25	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	1.1	ug/m3			04/17/18 03:25	1
1,1,1,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			04/17/18 03:25	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			04/17/18 03:25	1
1,1-Dichloroethane	0.94		0.81	0.81	ug/m3			04/17/18 03:25	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			04/17/18 03:25	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			04/17/18 03:25	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			04/17/18 03:25	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			04/17/18 03:25	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			04/17/18 03:25	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			04/17/18 03:25	1
1,2-Dichloroethene, Total	45		1.6	1.6	ug/m3			04/17/18 03:25	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			04/17/18 03:25	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			04/17/18 03:25	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			04/17/18 03:25	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			04/17/18 03:25	1
1,3-Dichlorobenzene	2.5		1.2	1.2	ug/m3			04/17/18 03:25	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			04/17/18 03:25	1
1,4-Dioxane	18	U	18	18	ug/m3			04/17/18 03:25	1
2,2,4-Trimethylpentane	1.5		0.93	0.93	ug/m3			04/17/18 03:25	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			04/17/18 03:25	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			04/17/18 03:25	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			04/17/18 03:25	1
Acetone	12	U	12	12	ug/m3			04/17/18 03:25	1
Benzene	0.71		0.64	0.64	ug/m3			04/17/18 03:25	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			04/17/18 03:25	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			04/17/18 03:25	1
Bromoform	2.1	U	2.1	2.1	ug/m3			04/17/18 03:25	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			04/17/18 03:25	1
Carbon disulfide	1.6	U	1.6	1.6	ug/m3			04/17/18 03:25	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			04/17/18 03:25	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			04/17/18 03:25	1
Chloroethane	49		1.3	1.3	ug/m3			04/17/18 03:25	1

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-43085-1

Client Sample ID: AS-2Q18

Lab Sample ID: 200-43085-1

Date Collected: 04/12/18 09:00

Matrix: Air

Date Received: 04/14/18 12:05

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.98	U	0.98	0.98	ug/m3			04/17/18 03:25	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			04/17/18 03:25	1
cis-1,2-Dichloroethene	42		0.79	0.79	ug/m3			04/17/18 03:25	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			04/17/18 03:25	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			04/17/18 03:25	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			04/17/18 03:25	1
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			04/17/18 03:25	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			04/17/18 03:25	1
Freon TF	1.5	U	1.5	1.5	ug/m3			04/17/18 03:25	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			04/17/18 03:25	1
Isopropyl alcohol	12	U	12	12	ug/m3			04/17/18 03:25	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			04/17/18 03:25	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			04/17/18 03:25	1
Methyl Ethyl Ketone	2.9		1.5	1.5	ug/m3			04/17/18 03:25	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			04/17/18 03:25	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			04/17/18 03:25	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			04/17/18 03:25	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			04/17/18 03:25	1
n-Hexane	1.0		0.70	0.70	ug/m3			04/17/18 03:25	1
Styrene	0.85	U	0.85	0.85	ug/m3			04/17/18 03:25	1
tert-Butyl alcohol	15	U	15	15	ug/m3			04/17/18 03:25	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			04/17/18 03:25	1
Tetrahydrofuran	15	U	15	15	ug/m3			04/17/18 03:25	1
Toluene	1.2		0.75	0.75	ug/m3			04/17/18 03:25	1
trans-1,2-Dichloroethene	5.5		0.79	0.79	ug/m3			04/17/18 03:25	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			04/17/18 03:25	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			04/17/18 03:25	1
Trichlorofluoromethane	1.1		1.1	1.1	ug/m3			04/17/18 03:25	1
Vinyl chloride	2.3		0.51	0.51	ug/m3			04/17/18 03:25	1
Xylene (total)	3.0	U	3.0	3.0	ug/m3			04/17/18 03:25	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			04/17/18 03:25	1

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-43085-1

Client Sample ID: LRP-2Q18

Date Collected: 04/12/18 08:00

Date Received: 04/14/18 12:05

Sample Container: Summa Canister 6L

Lab Sample ID: 200-43085-2

Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,1,2,2-Tetrachloroethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,1,2-Trichloroethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,1-Dichloroethane	4.7		1.6	1.6	ppb v/v			04/17/18 21:46	8
1,1-Dichloroethene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,2,4-Trichlorobenzene	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
1,2,4-Trimethylbenzene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,2-Dibromoethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,2-Dichlorobenzene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,2-Dichloroethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,2-Dichloroethene, Total	250		3.2	3.2	ppb v/v			04/17/18 21:46	8
1,2-Dichloropropane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,2-Dichlorotetrafluoroethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,3,5-Trimethylbenzene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,3-Butadiene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,3-Dichlorobenzene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,4-Dichlorobenzene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
1,4-Dioxane	40	U	40	40	ppb v/v			04/17/18 21:46	8
2,2,4-Trimethylpentane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
2-Chlorotoluene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
3-Chloropropene	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
4-Ethyltoluene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Acetone	40	U	40	40	ppb v/v			04/17/18 21:46	8
Benzene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Bromodichloromethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Bromoethene(Vinyl Bromide)	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Bromoform	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Bromomethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Carbon disulfide	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
Carbon tetrachloride	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Chlorobenzene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Chloroethane	11		4.0	4.0	ppb v/v			04/17/18 21:46	8
Chloroform	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Chloromethane	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
cis-1,2-Dichloroethene	240		1.6	1.6	ppb v/v			04/17/18 21:46	8
cis-1,3-Dichloropropene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Cyclohexane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Dibromochloromethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Dichlorodifluoromethane	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
Ethylbenzene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Freon TF	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Hexachlorobutadiene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Isopropyl alcohol	40	U	40	40	ppb v/v			04/17/18 21:46	8
m,p-Xylene	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
Methyl Butyl Ketone (2-Hexanone)	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
Methyl Ethyl Ketone	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
methyl isobutyl ketone	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
Methyl tert-butyl ether	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-43085-1

Client Sample ID: LRP-2Q18

Lab Sample ID: 200-43085-2

Date Collected: 04/12/18 08:00

Matrix: Air

Date Received: 04/14/18 12:05

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	4.0	U	4.0	4.0	ppb v/v			04/17/18 21:46	8
n-Heptane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
n-Hexane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Styrene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
tert-Butyl alcohol	40	U	40	40	ppb v/v			04/17/18 21:46	8
Tetrachloroethene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Tetrahydrofuran	40	U	40	40	ppb v/v			04/17/18 21:46	8
Toluene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
trans-1,2-Dichloroethene	11		1.6	1.6	ppb v/v			04/17/18 21:46	8
trans-1,3-Dichloropropene	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Trichloroethene	1.7		1.6	1.6	ppb v/v			04/17/18 21:46	8
Trichlorofluoromethane	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8
Vinyl chloride	180		1.6	1.6	ppb v/v			04/17/18 21:46	8
Xylene (total)	5.6	U	5.6	5.6	ppb v/v			04/17/18 21:46	8
Xylene, o-	1.6	U	1.6	1.6	ppb v/v			04/17/18 21:46	8

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.7	U	8.7	8.7	ug/m3			04/17/18 21:46	8
1,1,1,2,2-Tetrachloroethane	11	U	11	11	ug/m3			04/17/18 21:46	8
1,1,2-Trichloroethane	8.7	U	8.7	8.7	ug/m3			04/17/18 21:46	8
1,1-Dichloroethane	19		6.5	6.5	ug/m3			04/17/18 21:46	8
1,1-Dichloroethene	6.3	U	6.3	6.3	ug/m3			04/17/18 21:46	8
1,2,4-Trichlorobenzene	30	U	30	30	ug/m3			04/17/18 21:46	8
1,2,4-Trimethylbenzene	7.9	U	7.9	7.9	ug/m3			04/17/18 21:46	8
1,2-Dibromoethane	12	U	12	12	ug/m3			04/17/18 21:46	8
1,2-Dichlorobenzene	9.6	U	9.6	9.6	ug/m3			04/17/18 21:46	8
1,2-Dichloroethane	6.5	U	6.5	6.5	ug/m3			04/17/18 21:46	8
1,2-Dichloroethene, Total	1000		13	13	ug/m3			04/17/18 21:46	8
1,2-Dichloropropane	7.4	U	7.4	7.4	ug/m3			04/17/18 21:46	8
1,2-Dichlorotetrafluoroethane	11	U	11	11	ug/m3			04/17/18 21:46	8
1,3,5-Trimethylbenzene	7.9	U	7.9	7.9	ug/m3			04/17/18 21:46	8
1,3-Butadiene	3.5	U	3.5	3.5	ug/m3			04/17/18 21:46	8
1,3-Dichlorobenzene	9.6	U	9.6	9.6	ug/m3			04/17/18 21:46	8
1,4-Dichlorobenzene	9.6	U	9.6	9.6	ug/m3			04/17/18 21:46	8
1,4-Dioxane	140	U	140	140	ug/m3			04/17/18 21:46	8
2,2,4-Trimethylpentane	7.5	U	7.5	7.5	ug/m3			04/17/18 21:46	8
2-Chlorotoluene	8.3	U	8.3	8.3	ug/m3			04/17/18 21:46	8
3-Chloropropene	13	U	13	13	ug/m3			04/17/18 21:46	8
4-Ethyltoluene	7.9	U	7.9	7.9	ug/m3			04/17/18 21:46	8
Acetone	95	U	95	95	ug/m3			04/17/18 21:46	8
Benzene	5.1	U	5.1	5.1	ug/m3			04/17/18 21:46	8
Bromodichloromethane	11	U	11	11	ug/m3			04/17/18 21:46	8
Bromoethene(Vinyl Bromide)	7.0	U	7.0	7.0	ug/m3			04/17/18 21:46	8
Bromoform	17	U	17	17	ug/m3			04/17/18 21:46	8
Bromomethane	6.2	U	6.2	6.2	ug/m3			04/17/18 21:46	8
Carbon disulfide	12	U	12	12	ug/m3			04/17/18 21:46	8
Carbon tetrachloride	10	U	10	10	ug/m3			04/17/18 21:46	8
Chlorobenzene	7.4	U	7.4	7.4	ug/m3			04/17/18 21:46	8
Chloroethane	30		11	11	ug/m3			04/17/18 21:46	8

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-43085-1

Client Sample ID: LRP-2Q18

Lab Sample ID: 200-43085-2

Date Collected: 04/12/18 08:00

Matrix: Air

Date Received: 04/14/18 12:05

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	7.8	U	7.8	7.8	ug/m3			04/17/18 21:46	8
Chloromethane	8.3	U	8.3	8.3	ug/m3			04/17/18 21:46	8
cis-1,2-Dichloroethene	960		6.3	6.3	ug/m3			04/17/18 21:46	8
cis-1,3-Dichloropropene	7.3	U	7.3	7.3	ug/m3			04/17/18 21:46	8
Cyclohexane	5.5	U	5.5	5.5	ug/m3			04/17/18 21:46	8
Dibromochloromethane	14	U	14	14	ug/m3			04/17/18 21:46	8
Dichlorodifluoromethane	20	U	20	20	ug/m3			04/17/18 21:46	8
Ethylbenzene	6.9	U	6.9	6.9	ug/m3			04/17/18 21:46	8
Freon TF	12	U	12	12	ug/m3			04/17/18 21:46	8
Hexachlorobutadiene	17	U	17	17	ug/m3			04/17/18 21:46	8
Isopropyl alcohol	98	U	98	98	ug/m3			04/17/18 21:46	8
m,p-Xylene	17	U	17	17	ug/m3			04/17/18 21:46	8
Methyl Butyl Ketone (2-Hexanone)	16	U	16	16	ug/m3			04/17/18 21:46	8
Methyl Ethyl Ketone	12	U	12	12	ug/m3			04/17/18 21:46	8
methyl isobutyl ketone	16	U	16	16	ug/m3			04/17/18 21:46	8
Methyl tert-butyl ether	5.8	U	5.8	5.8	ug/m3			04/17/18 21:46	8
Methylene Chloride	14	U	14	14	ug/m3			04/17/18 21:46	8
n-Heptane	6.6	U	6.6	6.6	ug/m3			04/17/18 21:46	8
n-Hexane	5.6	U	5.6	5.6	ug/m3			04/17/18 21:46	8
Styrene	6.8	U	6.8	6.8	ug/m3			04/17/18 21:46	8
tert-Butyl alcohol	120	U	120	120	ug/m3			04/17/18 21:46	8
Tetrachloroethene	11	U	11	11	ug/m3			04/17/18 21:46	8
Tetrahydrofuran	120	U	120	120	ug/m3			04/17/18 21:46	8
Toluene	6.0	U	6.0	6.0	ug/m3			04/17/18 21:46	8
trans-1,2-Dichloroethene	42		6.3	6.3	ug/m3			04/17/18 21:46	8
trans-1,3-Dichloropropene	7.3	U	7.3	7.3	ug/m3			04/17/18 21:46	8
Trichloroethene	9.4		8.6	8.6	ug/m3			04/17/18 21:46	8
Trichlorofluoromethane	9.0	U	9.0	9.0	ug/m3			04/17/18 21:46	8
Vinyl chloride	450		4.1	4.1	ug/m3			04/17/18 21:46	8
Xylene (total)	24	U	24	24	ug/m3			04/17/18 21:46	8
Xylene, o-	6.9	U	6.9	6.9	ug/m3			04/17/18 21:46	8

TestAmerica Burlington

Lab Chronicle

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

TestAmerica Job ID: 200-43085-1

Client Sample ID: AS-2Q18

Date Collected: 04/12/18 09:00

Date Received: 04/14/18 12:05

Lab Sample ID: 200-43085-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	128485	04/17/18 03:25	VTP	TAL BUR

Client Sample ID: LRP-2Q18

Date Collected: 04/12/18 08:00

Date Received: 04/14/18 12:05

Lab Sample ID: 200-43085-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		8	128526	04/17/18 21:46	A1B	TAL BUR

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM

TestAmerica Job ID: 200-43085-1

Project/Site: Scott Figgie West of Plant 2

Laboratory: TestAmerica Burlington

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

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

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

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

TestAmerica Burlington

Method Summary

Client: AECOM

TestAmerica Job ID: 200-43085-1

Project/Site: Scott Figgie West of Plant 2

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-43085-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-43085-1	AS-2Q18	Air	04/12/18 09:00	04/14/18 12:05
200-43085-2	LRP-2Q18	Air	04/12/18 08:00	04/14/18 12:05

Canister Samples Chain of Custody Record

Opened by: CEA Condition: 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 13APR18
ACTWGT: 13.20 LB
CAD: 846654/CAFE3111

BILL RECIPIENT

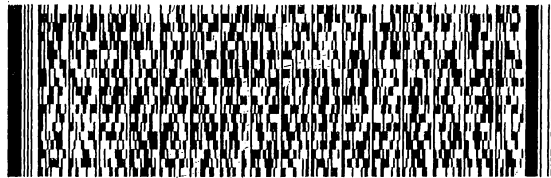
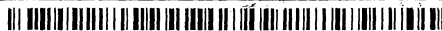
TO **SAMPLE MGT.**
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 660-1990

REF:

THU:

DEPT:



FedEx
Express

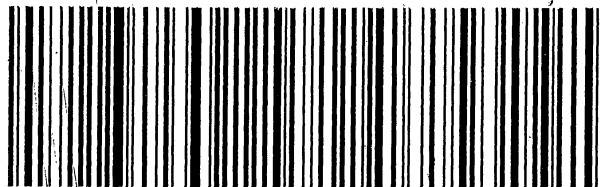


TRK# 4276 0716 6726
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US **BTV**



Art # 159459-434 R112 EXP-01/19

1357/2116/1375

1000201910101171

Login Sample Receipt Checklist

Client: AECOM

Job Number: 200-43085-1

Login Number: 43085

List Number: 1

Creator: Hahl, Victoria L

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	096755
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.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	Thermal preservation not required.
Cooler Temperature is recorded.	N/A	
COC is present.	True	DLZ
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 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.	N/A	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	No analysis requiring residual chlorine check assigned.
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 200-43085-1

Login Number: 43085

List Number: 2

Creator: Hahl, Victoria L

List Source: TestAmerica Burlington

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-134234-1

Client Project/Site: Scott Figgie West of Plant 2

For:

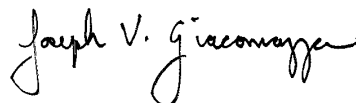
AECOM

257 West Genesee Street

Suite 400

Buffalo, New York 14202-2657

Attn: Mr. Dino Zack



Authorized for release by:

4/30/2018 11:15:00 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

LINKS

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results through

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 480-134234-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-134234-1

Job ID: 480-134234-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-134234-1

Comments

No additional comments.

Receipt

The samples were received on 4/13/2018 11:05 AM and 4/19/2018 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.2° C and 5.0° C.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-134541-3), (480-134541-A-3 MS) and (480-134541-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-410257 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: DPE-1 (480-134234-1), DPE-2 (480-134234-2), DPE-3 (480-134234-3), DPE-4 (480-134234-4), DPE-5 (480-134234-5), DPE-8 (480-134234-7) and GWCT (480-134234-8).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-410257 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: DPE-1 (480-134234-1), DPE-2 (480-134234-2), DPE-3 (480-134234-3), DPE-4 (480-134234-4), DPE-5 (480-134234-5), DPE-8 (480-134234-7) and GWCT (480-134234-8).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DPE-4 (480-134234-4), DPE-5 (480-134234-5) and DPE-8 (480-134234-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: DPE-1 (480-134234-1), DPE-2 (480-134234-2) and DPE-3 (480-134234-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: DPE-7 (480-134234-6), (480-134234-C-6 MS) and (480-134234-C-6 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-410408 recovered above the upper control limit for 2-Butanone(MEK) and Acetone. The samples associated with this CCV was not detected above the reporting limit; therefore, the data have been reported. The following sample is impacted: DPE-7 (480-134234-6).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-410408 recovered outside control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was not detected above the reporting limit in the associated sample; therefore, the data have been reported. The following sample is impacted: DPE-7 (480-134234-6)

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-11 (480-134541-5), MW-12 (480-134541-6) and MW-15S (480-134541-17). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-16S (480-134541-7), MW-13S (480-134541-11) and MW-8R (480-134541-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-410932 recovered above the upper control limit for Cyclohexane, 1,1,2-Trichloro-1,2,2-Trifluoroethane, and Methylcyclohexane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-16S (480-134541-7), MW-16D (480-134541-10), MW-13S (480-134541-11), MW-8R (480-134541-12), MW-13D (480-134541-13) and MW-15D (480-134541-18).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-15D (480-134541-18), (480-134541-C-18 MS) and (480-134541-C-18 MSD). Elevated reporting limits (RLs) are provided.

Case Narrative

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

TestAmerica Job ID: 480-134234-1

Job ID: 480-134234-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-16S (480-134541-7), MW-13S (480-134541-11), MW-8R (480-134541-12), MW-15D (480-134541-18), (480-134541-B-12 MS) and (480-134541-B-12 MSD). Elevated reporting limits (RLs) are provided.

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

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-1
Date Collected: 04/13/18 07:00
Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			04/23/18 12:08	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			04/23/18 12:08	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			04/23/18 12:08	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			04/23/18 12:08	10
1,1-Dichloroethane	5.8	J	10	3.8	ug/L			04/23/18 12:08	10
1,1-Dichloroethene	ND		10	2.9	ug/L			04/23/18 12:08	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			04/23/18 12:08	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			04/23/18 12:08	10
1,2-Dibromoethane	ND		10	7.3	ug/L			04/23/18 12:08	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			04/23/18 12:08	10
1,2-Dichloroethane	ND		10	2.1	ug/L			04/23/18 12:08	10
1,2-Dichloropropane	ND		10	7.2	ug/L			04/23/18 12:08	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			04/23/18 12:08	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			04/23/18 12:08	10
2-Butanone (MEK)	50	J	100	13	ug/L			04/23/18 12:08	10
2-Hexanone	ND		50	12	ug/L			04/23/18 12:08	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			04/23/18 12:08	10
Acetone	210		100	30	ug/L			04/23/18 12:08	10
Benzene	ND		10	4.1	ug/L			04/23/18 12:08	10
Bromodichloromethane	ND		10	3.9	ug/L			04/23/18 12:08	10
Bromoform	ND		10	2.6	ug/L			04/23/18 12:08	10
Bromomethane	ND		10	6.9	ug/L			04/23/18 12:08	10
Carbon disulfide	ND		10	1.9	ug/L			04/23/18 12:08	10
Carbon tetrachloride	ND		10	2.7	ug/L			04/23/18 12:08	10
Chlorobenzene	ND		10	7.5	ug/L			04/23/18 12:08	10
Chloroethane	5.7	J	10	3.2	ug/L			04/23/18 12:08	10
Chloroform	ND		10	3.4	ug/L			04/23/18 12:08	10
Chloromethane	ND		10	3.5	ug/L			04/23/18 12:08	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			04/23/18 12:08	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			04/23/18 12:08	10
Cyclohexane	ND		10	1.8	ug/L			04/23/18 12:08	10
Dibromochloromethane	ND		10	3.2	ug/L			04/23/18 12:08	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			04/23/18 12:08	10
Ethylbenzene	ND		10	7.4	ug/L			04/23/18 12:08	10
Isopropylbenzene	ND		10	7.9	ug/L			04/23/18 12:08	10
Methyl acetate	ND		25	13	ug/L			04/23/18 12:08	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			04/23/18 12:08	10
Methylcyclohexane	ND		10	1.6	ug/L			04/23/18 12:08	10
Methylene Chloride	ND		10	4.4	ug/L			04/23/18 12:08	10
Styrene	ND		10	7.3	ug/L			04/23/18 12:08	10
Tetrachloroethene	ND		10	3.6	ug/L			04/23/18 12:08	10
Toluene	ND		10	5.1	ug/L			04/23/18 12:08	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			04/23/18 12:08	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			04/23/18 12:08	10
Trichloroethene	ND		10	4.6	ug/L			04/23/18 12:08	10
Trichlorofluoromethane	ND		10	8.8	ug/L			04/23/18 12:08	10
Vinyl chloride	ND		10	9.0	ug/L			04/23/18 12:08	10
Xylenes, Total	ND		20	6.6	ug/L			04/23/18 12:08	10

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-1

Date Collected: 04/13/18 07:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-1

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		04/23/18 12:08	10
4-Bromofluorobenzene (Surr)	95		73 - 120		04/23/18 12:08	10
Toluene-d8 (Surr)	91		80 - 120		04/23/18 12:08	10
Dibromofluoromethane (Surr)	108		75 - 123		04/23/18 12:08	10

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-2

Date Collected: 04/13/18 08:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/23/18 12:32	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/23/18 12:32	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/23/18 12:32	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/23/18 12:32	20
1,1-Dichloroethane	ND		20	7.6	ug/L			04/23/18 12:32	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/23/18 12:32	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/23/18 12:32	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/23/18 12:32	20
1,2-Dibromoethane	ND		20	15	ug/L			04/23/18 12:32	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/23/18 12:32	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/23/18 12:32	20
1,2-Dichloropropane	ND		20	14	ug/L			04/23/18 12:32	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/23/18 12:32	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/23/18 12:32	20
2-Butanone (MEK)	ND		200	26	ug/L			04/23/18 12:32	20
2-Hexanone	ND		100	25	ug/L			04/23/18 12:32	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/23/18 12:32	20
Acetone	ND		200	60	ug/L			04/23/18 12:32	20
Benzene	ND		20	8.2	ug/L			04/23/18 12:32	20
Bromodichloromethane	ND		20	7.8	ug/L			04/23/18 12:32	20
Bromoform	ND		20	5.2	ug/L			04/23/18 12:32	20
Bromomethane	ND		20	14	ug/L			04/23/18 12:32	20
Carbon disulfide	ND		20	3.8	ug/L			04/23/18 12:32	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/23/18 12:32	20
Chlorobenzene	ND		20	15	ug/L			04/23/18 12:32	20
Chloroethane	ND		20	6.4	ug/L			04/23/18 12:32	20
Chloroform	ND		20	6.8	ug/L			04/23/18 12:32	20
Chloromethane	ND		20	7.0	ug/L			04/23/18 12:32	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			04/23/18 12:32	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/23/18 12:32	20
Cyclohexane	ND		20	3.6	ug/L			04/23/18 12:32	20
Dibromochloromethane	ND		20	6.4	ug/L			04/23/18 12:32	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/23/18 12:32	20
Ethylbenzene	ND		20	15	ug/L			04/23/18 12:32	20
Isopropylbenzene	ND		20	16	ug/L			04/23/18 12:32	20
Methyl acetate	ND		50	26	ug/L			04/23/18 12:32	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/23/18 12:32	20
Methylcyclohexane	ND		20	3.2	ug/L			04/23/18 12:32	20
Methylene Chloride	ND		20	8.8	ug/L			04/23/18 12:32	20
Styrene	ND		20	15	ug/L			04/23/18 12:32	20
Tetrachloroethene	ND		20	7.2	ug/L			04/23/18 12:32	20
Toluene	ND		20	10	ug/L			04/23/18 12:32	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/23/18 12:32	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/23/18 12:32	20
Trichloroethene	ND		20	9.2	ug/L			04/23/18 12:32	20
Trichlorofluoromethane	ND		20	18	ug/L			04/23/18 12:32	20
Vinyl chloride	ND		20	18	ug/L			04/23/18 12:32	20
Xylenes, Total	ND		40	13	ug/L			04/23/18 12:32	20

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-2

Date Collected: 04/13/18 08:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-2

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		04/23/18 12:32	20
4-Bromofluorobenzene (Surr)	96		73 - 120		04/23/18 12:32	20
Toluene-d8 (Surr)	92		80 - 120		04/23/18 12:32	20
Dibromofluoromethane (Surr)	106		75 - 123		04/23/18 12:32	20

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-3

Date Collected: 04/13/18 08:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	21	ug/L			04/23/18 12:55	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			04/23/18 12:55	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			04/23/18 12:55	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			04/23/18 12:55	25
1,1-Dichloroethane	ND		25	9.5	ug/L			04/23/18 12:55	25
1,1-Dichloroethene	ND		25	7.3	ug/L			04/23/18 12:55	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			04/23/18 12:55	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			04/23/18 12:55	25
1,2-Dibromoethane	ND		25	18	ug/L			04/23/18 12:55	25
1,2-Dichlorobenzene	ND		25	20	ug/L			04/23/18 12:55	25
1,2-Dichloroethane	ND		25	5.3	ug/L			04/23/18 12:55	25
1,2-Dichloropropane	ND		25	18	ug/L			04/23/18 12:55	25
1,3-Dichlorobenzene	ND		25	20	ug/L			04/23/18 12:55	25
1,4-Dichlorobenzene	ND		25	21	ug/L			04/23/18 12:55	25
2-Butanone (MEK)	ND		250	33	ug/L			04/23/18 12:55	25
2-Hexanone	ND		130	31	ug/L			04/23/18 12:55	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			04/23/18 12:55	25
Acetone	ND		250	75	ug/L			04/23/18 12:55	25
Benzene	ND		25	10	ug/L			04/23/18 12:55	25
Bromodichloromethane	ND		25	9.8	ug/L			04/23/18 12:55	25
Bromoform	ND		25	6.5	ug/L			04/23/18 12:55	25
Bromomethane	ND		25	17	ug/L			04/23/18 12:55	25
Carbon disulfide	ND		25	4.8	ug/L			04/23/18 12:55	25
Carbon tetrachloride	ND		25	6.8	ug/L			04/23/18 12:55	25
Chlorobenzene	ND		25	19	ug/L			04/23/18 12:55	25
Chloroethane	ND		25	8.0	ug/L			04/23/18 12:55	25
Chloroform	ND		25	8.5	ug/L			04/23/18 12:55	25
Chloromethane	ND		25	8.8	ug/L			04/23/18 12:55	25
cis-1,2-Dichloroethene	78		25	20	ug/L			04/23/18 12:55	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			04/23/18 12:55	25
Cyclohexane	ND		25	4.5	ug/L			04/23/18 12:55	25
Dibromochloromethane	ND		25	8.0	ug/L			04/23/18 12:55	25
Dichlorodifluoromethane	ND		25	17	ug/L			04/23/18 12:55	25
Ethylbenzene	ND		25	19	ug/L			04/23/18 12:55	25
Isopropylbenzene	ND		25	20	ug/L			04/23/18 12:55	25
Methyl acetate	ND		63	33	ug/L			04/23/18 12:55	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			04/23/18 12:55	25
Methylcyclohexane	ND		25	4.0	ug/L			04/23/18 12:55	25
Methylene Chloride	ND		25	11	ug/L			04/23/18 12:55	25
Styrene	ND		25	18	ug/L			04/23/18 12:55	25
Tetrachloroethene	ND		25	9.0	ug/L			04/23/18 12:55	25
Toluene	ND		25	13	ug/L			04/23/18 12:55	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			04/23/18 12:55	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			04/23/18 12:55	25
Trichloroethene	ND		25	12	ug/L			04/23/18 12:55	25
Trichlorofluoromethane	ND		25	22	ug/L			04/23/18 12:55	25
Vinyl chloride	35		25	23	ug/L			04/23/18 12:55	25
Xylenes, Total	ND		50	17	ug/L			04/23/18 12:55	25

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-3

Date Collected: 04/13/18 08:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-3

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		04/23/18 12:55	25
4-Bromofluorobenzene (Surr)	93		73 - 120		04/23/18 12:55	25
Toluene-d8 (Surr)	91		80 - 120		04/23/18 12:55	25
Dibromofluoromethane (Surr)	104		75 - 123		04/23/18 12:55	25

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-4

Date Collected: 04/13/18 09:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			04/23/18 13:19	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			04/23/18 13:19	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			04/23/18 13:19	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			04/23/18 13:19	10
1,1-Dichloroethane	ND		10	3.8	ug/L			04/23/18 13:19	10
1,1-Dichloroethene	ND		10	2.9	ug/L			04/23/18 13:19	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			04/23/18 13:19	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			04/23/18 13:19	10
1,2-Dibromoethane	ND		10	7.3	ug/L			04/23/18 13:19	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			04/23/18 13:19	10
1,2-Dichloroethane	ND		10	2.1	ug/L			04/23/18 13:19	10
1,2-Dichloropropane	ND		10	7.2	ug/L			04/23/18 13:19	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			04/23/18 13:19	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			04/23/18 13:19	10
2-Butanone (MEK)	ND		100	13	ug/L			04/23/18 13:19	10
2-Hexanone	ND		50	12	ug/L			04/23/18 13:19	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			04/23/18 13:19	10
Acetone	ND		100	30	ug/L			04/23/18 13:19	10
Benzene	ND		10	4.1	ug/L			04/23/18 13:19	10
Bromodichloromethane	ND		10	3.9	ug/L			04/23/18 13:19	10
Bromoform	ND		10	2.6	ug/L			04/23/18 13:19	10
Bromomethane	ND		10	6.9	ug/L			04/23/18 13:19	10
Carbon disulfide	ND		10	1.9	ug/L			04/23/18 13:19	10
Carbon tetrachloride	ND		10	2.7	ug/L			04/23/18 13:19	10
Chlorobenzene	ND		10	7.5	ug/L			04/23/18 13:19	10
Chloroethane	ND		10	3.2	ug/L			04/23/18 13:19	10
Chloroform	ND		10	3.4	ug/L			04/23/18 13:19	10
Chloromethane	ND		10	3.5	ug/L			04/23/18 13:19	10
cis-1,2-Dichloroethene	320		10	8.1	ug/L			04/23/18 13:19	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			04/23/18 13:19	10
Cyclohexane	ND		10	1.8	ug/L			04/23/18 13:19	10
Dibromochloromethane	ND		10	3.2	ug/L			04/23/18 13:19	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			04/23/18 13:19	10
Ethylbenzene	ND		10	7.4	ug/L			04/23/18 13:19	10
Isopropylbenzene	ND		10	7.9	ug/L			04/23/18 13:19	10
Methyl acetate	ND		25	13	ug/L			04/23/18 13:19	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			04/23/18 13:19	10
Methylcyclohexane	ND		10	1.6	ug/L			04/23/18 13:19	10
Methylene Chloride	ND		10	4.4	ug/L			04/23/18 13:19	10
Styrene	ND		10	7.3	ug/L			04/23/18 13:19	10
Tetrachloroethene	ND		10	3.6	ug/L			04/23/18 13:19	10
Toluene	ND		10	5.1	ug/L			04/23/18 13:19	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			04/23/18 13:19	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			04/23/18 13:19	10
Trichloroethene	ND		10	4.6	ug/L			04/23/18 13:19	10
Trichlorofluoromethane	ND		10	8.8	ug/L			04/23/18 13:19	10
Vinyl chloride	62		10	9.0	ug/L			04/23/18 13:19	10
Xylenes, Total	ND		20	6.6	ug/L			04/23/18 13:19	10

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-4

Date Collected: 04/13/18 09:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-4

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		04/23/18 13:19	10
4-Bromofluorobenzene (Surr)	97		73 - 120		04/23/18 13:19	10
Toluene-d8 (Surr)	90		80 - 120		04/23/18 13:19	10
Dibromofluoromethane (Surr)	111		75 - 123		04/23/18 13:19	10

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-5

Date Collected: 04/13/18 10:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			04/23/18 13:42	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			04/23/18 13:42	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			04/23/18 13:42	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			04/23/18 13:42	40
1,1-Dichloroethane	140		40	15	ug/L			04/23/18 13:42	40
1,1-Dichloroethene	15 J		40	12	ug/L			04/23/18 13:42	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			04/23/18 13:42	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			04/23/18 13:42	40
1,2-Dibromoethane	ND		40	29	ug/L			04/23/18 13:42	40
1,2-Dichlorobenzene	ND		40	32	ug/L			04/23/18 13:42	40
1,2-Dichloroethane	ND		40	8.4	ug/L			04/23/18 13:42	40
1,2-Dichloropropane	ND		40	29	ug/L			04/23/18 13:42	40
1,3-Dichlorobenzene	ND		40	31	ug/L			04/23/18 13:42	40
1,4-Dichlorobenzene	ND		40	34	ug/L			04/23/18 13:42	40
2-Butanone (MEK)	ND		400	53	ug/L			04/23/18 13:42	40
2-Hexanone	ND		200	50	ug/L			04/23/18 13:42	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			04/23/18 13:42	40
Acetone	120 J		400	120	ug/L			04/23/18 13:42	40
Benzene	ND		40	16	ug/L			04/23/18 13:42	40
Bromodichloromethane	ND		40	16	ug/L			04/23/18 13:42	40
Bromoform	ND		40	10	ug/L			04/23/18 13:42	40
Bromomethane	ND		40	28	ug/L			04/23/18 13:42	40
Carbon disulfide	ND		40	7.6	ug/L			04/23/18 13:42	40
Carbon tetrachloride	ND		40	11	ug/L			04/23/18 13:42	40
Chlorobenzene	ND		40	30	ug/L			04/23/18 13:42	40
Chloroethane	150		40	13	ug/L			04/23/18 13:42	40
Chloroform	ND		40	14	ug/L			04/23/18 13:42	40
Chloromethane	ND		40	14	ug/L			04/23/18 13:42	40
cis-1,2-Dichloroethene	3500		40	32	ug/L			04/23/18 13:42	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			04/23/18 13:42	40
Cyclohexane	ND		40	7.2	ug/L			04/23/18 13:42	40
Dibromochloromethane	ND		40	13	ug/L			04/23/18 13:42	40
Dichlorodifluoromethane	ND		40	27	ug/L			04/23/18 13:42	40
Ethylbenzene	ND		40	30	ug/L			04/23/18 13:42	40
Isopropylbenzene	ND		40	32	ug/L			04/23/18 13:42	40
Methyl acetate	ND		100	52	ug/L			04/23/18 13:42	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			04/23/18 13:42	40
Methylcyclohexane	ND		40	6.4	ug/L			04/23/18 13:42	40
Methylene Chloride	ND		40	18	ug/L			04/23/18 13:42	40
Styrene	ND		40	29	ug/L			04/23/18 13:42	40
Tetrachloroethene	ND		40	14	ug/L			04/23/18 13:42	40
Toluene	20 J		40	20	ug/L			04/23/18 13:42	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			04/23/18 13:42	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			04/23/18 13:42	40
Trichloroethene	ND		40	18	ug/L			04/23/18 13:42	40
Trichlorofluoromethane	ND		40	35	ug/L			04/23/18 13:42	40
Vinyl chloride	2200		40	36	ug/L			04/23/18 13:42	40
Xylenes, Total	ND		80	26	ug/L			04/23/18 13:42	40

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-5

Date Collected: 04/13/18 10:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-5

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		04/23/18 13:42	40
4-Bromofluorobenzene (Surr)	92		73 - 120		04/23/18 13:42	40
Toluene-d8 (Surr)	89		80 - 120		04/23/18 13:42	40
Dibromofluoromethane (Surr)	106		75 - 123		04/23/18 13:42	40

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-7

Date Collected: 04/13/18 10:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/23/18 21:43	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/23/18 21:43	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/23/18 21:43	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/23/18 21:43	20
1,1-Dichloroethane	65	F1	20	7.6	ug/L			04/23/18 21:43	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/23/18 21:43	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/23/18 21:43	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/23/18 21:43	20
1,2-Dibromoethane	ND		20	15	ug/L			04/23/18 21:43	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/23/18 21:43	20
1,2-Dichloroethane	ND	F1	20	4.2	ug/L			04/23/18 21:43	20
1,2-Dichloropropane	ND	F1	20	14	ug/L			04/23/18 21:43	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/23/18 21:43	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/23/18 21:43	20
2-Butanone (MEK)	130	J	200	26	ug/L			04/23/18 21:43	20
2-Hexanone	ND		100	25	ug/L			04/23/18 21:43	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/23/18 21:43	20
Acetone	81	J *	200	60	ug/L			04/23/18 21:43	20
Benzene	ND		20	8.2	ug/L			04/23/18 21:43	20
Bromodichloromethane	ND	F1	20	7.8	ug/L			04/23/18 21:43	20
Bromoform	ND		20	5.2	ug/L			04/23/18 21:43	20
Bromomethane	ND		20	14	ug/L			04/23/18 21:43	20
Carbon disulfide	ND		20	3.8	ug/L			04/23/18 21:43	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/23/18 21:43	20
Chlorobenzene	ND		20	15	ug/L			04/23/18 21:43	20
Chloroethane	390		20	6.4	ug/L			04/23/18 21:43	20
Chloroform	ND		20	6.8	ug/L			04/23/18 21:43	20
Chloromethane	ND		20	7.0	ug/L			04/23/18 21:43	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			04/23/18 21:43	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/23/18 21:43	20
Cyclohexane	ND		20	3.6	ug/L			04/23/18 21:43	20
Dibromochloromethane	ND		20	6.4	ug/L			04/23/18 21:43	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/23/18 21:43	20
Ethylbenzene	ND		20	15	ug/L			04/23/18 21:43	20
Isopropylbenzene	ND		20	16	ug/L			04/23/18 21:43	20
Methyl acetate	ND		50	26	ug/L			04/23/18 21:43	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/23/18 21:43	20
Methylcyclohexane	ND		20	3.2	ug/L			04/23/18 21:43	20
Methylene Chloride	25		20	8.8	ug/L			04/23/18 21:43	20
Styrene	ND		20	15	ug/L			04/23/18 21:43	20
Tetrachloroethene	ND		20	7.2	ug/L			04/23/18 21:43	20
Toluene	ND		20	10	ug/L			04/23/18 21:43	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/23/18 21:43	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/23/18 21:43	20
Trichloroethene	ND		20	9.2	ug/L			04/23/18 21:43	20
Trichlorofluoromethane	ND		20	18	ug/L			04/23/18 21:43	20
Vinyl chloride	59		20	18	ug/L			04/23/18 21:43	20
Xylenes, Total	ND		40	13	ug/L			04/23/18 21:43	20

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-7

Date Collected: 04/13/18 10:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-6

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		04/23/18 21:43	20
4-Bromofluorobenzene (Surr)	95		73 - 120		04/23/18 21:43	20
Toluene-d8 (Surr)	95		80 - 120		04/23/18 21:43	20
Dibromofluoromethane (Surr)	106		75 - 123		04/23/18 21:43	20

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-8

Date Collected: 04/13/18 11:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	75		20	16	ug/L			04/23/18 14:29	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/23/18 14:29	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/23/18 14:29	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/23/18 14:29	20
1,1-Dichloroethane	71		20	7.6	ug/L			04/23/18 14:29	20
1,1-Dichloroethene	6.5 J		20	5.8	ug/L			04/23/18 14:29	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/23/18 14:29	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/23/18 14:29	20
1,2-Dibromoethane	ND		20	15	ug/L			04/23/18 14:29	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/23/18 14:29	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/23/18 14:29	20
1,2-Dichloropropane	ND		20	14	ug/L			04/23/18 14:29	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/23/18 14:29	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/23/18 14:29	20
2-Butanone (MEK)	ND		200	26	ug/L			04/23/18 14:29	20
2-Hexanone	ND		100	25	ug/L			04/23/18 14:29	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/23/18 14:29	20
Acetone	ND		200	60	ug/L			04/23/18 14:29	20
Benzene	ND		20	8.2	ug/L			04/23/18 14:29	20
Bromodichloromethane	ND		20	7.8	ug/L			04/23/18 14:29	20
Bromoform	ND		20	5.2	ug/L			04/23/18 14:29	20
Bromomethane	ND		20	14	ug/L			04/23/18 14:29	20
Carbon disulfide	ND		20	3.8	ug/L			04/23/18 14:29	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/23/18 14:29	20
Chlorobenzene	ND		20	15	ug/L			04/23/18 14:29	20
Chloroethane	30		20	6.4	ug/L			04/23/18 14:29	20
Chloroform	ND		20	6.8	ug/L			04/23/18 14:29	20
Chloromethane	ND		20	7.0	ug/L			04/23/18 14:29	20
cis-1,2-Dichloroethene	1600		20	16	ug/L			04/23/18 14:29	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/23/18 14:29	20
Cyclohexane	ND		20	3.6	ug/L			04/23/18 14:29	20
Dibromochloromethane	ND		20	6.4	ug/L			04/23/18 14:29	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/23/18 14:29	20
Ethylbenzene	ND		20	15	ug/L			04/23/18 14:29	20
Isopropylbenzene	ND		20	16	ug/L			04/23/18 14:29	20
Methyl acetate	ND		50	26	ug/L			04/23/18 14:29	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/23/18 14:29	20
Methylcyclohexane	ND		20	3.2	ug/L			04/23/18 14:29	20
Methylene Chloride	ND		20	8.8	ug/L			04/23/18 14:29	20
Styrene	ND		20	15	ug/L			04/23/18 14:29	20
Tetrachloroethene	ND		20	7.2	ug/L			04/23/18 14:29	20
Toluene	ND		20	10	ug/L			04/23/18 14:29	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/23/18 14:29	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/23/18 14:29	20
Trichloroethene	65		20	9.2	ug/L			04/23/18 14:29	20
Trichlorofluoromethane	ND		20	18	ug/L			04/23/18 14:29	20
Vinyl chloride	480		20	18	ug/L			04/23/18 14:29	20
Xylenes, Total	ND		40	13	ug/L			04/23/18 14:29	20

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-8

Date Collected: 04/13/18 11:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-7

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		04/23/18 14:29	20
4-Bromofluorobenzene (Surr)	95		73 - 120		04/23/18 14:29	20
Toluene-d8 (Surr)	90		80 - 120		04/23/18 14:29	20
Dibromofluoromethane (Surr)	108		75 - 123		04/23/18 14:29	20

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: GWCT

Date Collected: 04/13/18 07:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/23/18 14:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/23/18 14:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/23/18 14:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/23/18 14:53	1
1,1-Dichloroethane	0.52	J	1.0	0.38	ug/L			04/23/18 14:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/23/18 14:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/23/18 14:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/23/18 14:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/23/18 14:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/23/18 14:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/23/18 14:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/23/18 14:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/23/18 14:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/23/18 14:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/23/18 14:53	1
2-Hexanone	ND		5.0	1.2	ug/L			04/23/18 14:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/23/18 14:53	1
Acetone	3.2	J	10	3.0	ug/L			04/23/18 14:53	1
Benzene	ND		1.0	0.41	ug/L			04/23/18 14:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/23/18 14:53	1
Bromoform	ND		1.0	0.26	ug/L			04/23/18 14:53	1
Bromomethane	ND		1.0	0.69	ug/L			04/23/18 14:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/23/18 14:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/23/18 14:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/23/18 14:53	1
Chloroethane	53		1.0	0.32	ug/L			04/23/18 14:53	1
Chloroform	ND		1.0	0.34	ug/L			04/23/18 14:53	1
Chloromethane	ND		1.0	0.35	ug/L			04/23/18 14:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/23/18 14:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/23/18 14:53	1
Cyclohexane	ND		1.0	0.18	ug/L			04/23/18 14:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/23/18 14:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/23/18 14:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/23/18 14:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/23/18 14:53	1
Methyl acetate	ND		2.5	1.3	ug/L			04/23/18 14:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/23/18 14:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/23/18 14:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/23/18 14:53	1
Styrene	ND		1.0	0.73	ug/L			04/23/18 14:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/23/18 14:53	1
Toluene	ND		1.0	0.51	ug/L			04/23/18 14:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/23/18 14:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/23/18 14:53	1
Trichloroethene	ND		1.0	0.46	ug/L			04/23/18 14:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/23/18 14:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/23/18 14:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/23/18 14:53	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: GWCT

Date Collected: 04/13/18 07:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-8

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		04/23/18 14:53	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/23/18 14:53	1
Toluene-d8 (Surr)	91		80 - 120		04/23/18 14:53	1
Dibromofluoromethane (Surr)	109		75 - 123		04/23/18 14:53	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-2
Date Collected: 04/17/18 16:30
Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/25/18 12:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/25/18 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/25/18 12:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/25/18 12:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/25/18 12:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/25/18 12:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/25/18 12:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/25/18 12:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/25/18 12:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/25/18 12:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/25/18 12:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/25/18 12:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/25/18 12:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/25/18 12:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/25/18 12:21	1
2-Hexanone	ND		5.0	1.2	ug/L			04/25/18 12:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/25/18 12:21	1
Acetone	ND		10	3.0	ug/L			04/25/18 12:21	1
Benzene	ND		1.0	0.41	ug/L			04/25/18 12:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/25/18 12:21	1
Bromoform	ND		1.0	0.26	ug/L			04/25/18 12:21	1
Bromomethane	ND		1.0	0.69	ug/L			04/25/18 12:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/25/18 12:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/25/18 12:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/25/18 12:21	1
Chloroethane	0.65	J	1.0	0.32	ug/L			04/25/18 12:21	1
Chloroform	ND		1.0	0.34	ug/L			04/25/18 12:21	1
Chloromethane	ND		1.0	0.35	ug/L			04/25/18 12:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/25/18 12:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/25/18 12:21	1
Cyclohexane	ND		1.0	0.18	ug/L			04/25/18 12:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/25/18 12:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/25/18 12:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/25/18 12:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/25/18 12:21	1
Methyl acetate	ND		2.5	1.3	ug/L			04/25/18 12:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/25/18 12:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/25/18 12:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/25/18 12:21	1
Styrene	ND		1.0	0.73	ug/L			04/25/18 12:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/25/18 12:21	1
Toluene	ND		1.0	0.51	ug/L			04/25/18 12:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/25/18 12:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/25/18 12:21	1
Trichloroethene	ND		1.0	0.46	ug/L			04/25/18 12:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/25/18 12:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/25/18 12:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/25/18 12:21	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-2

Date Collected: 04/17/18 16:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-1

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		04/25/18 12:21	1
4-Bromofluorobenzene (Surr)	98		73 - 120		04/25/18 12:21	1
Toluene-d8 (Surr)	100		80 - 120		04/25/18 12:21	1
Dibromofluoromethane (Surr)	93		75 - 123		04/25/18 12:21	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-3
Date Collected: 04/17/18 15:30
Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/25/18 12:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/25/18 12:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/25/18 12:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/25/18 12:49	1
1,1-Dichloroethane	10		1.0	0.38	ug/L			04/25/18 12:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/25/18 12:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/25/18 12:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/25/18 12:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/25/18 12:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/25/18 12:49	1
1,2-Dichloroethane	0.22 J		1.0	0.21	ug/L			04/25/18 12:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/25/18 12:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/25/18 12:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/25/18 12:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/25/18 12:49	1
2-Hexanone	ND		5.0	1.2	ug/L			04/25/18 12:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/25/18 12:49	1
Acetone	ND		10	3.0	ug/L			04/25/18 12:49	1
Benzene	ND		1.0	0.41	ug/L			04/25/18 12:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/25/18 12:49	1
Bromoform	ND		1.0	0.26	ug/L			04/25/18 12:49	1
Bromomethane	ND		1.0	0.69	ug/L			04/25/18 12:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/25/18 12:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/25/18 12:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/25/18 12:49	1
Chloroethane	1.3		1.0	0.32	ug/L			04/25/18 12:49	1
Chloroform	ND		1.0	0.34	ug/L			04/25/18 12:49	1
Chloromethane	ND		1.0	0.35	ug/L			04/25/18 12:49	1
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L			04/25/18 12:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/25/18 12:49	1
Cyclohexane	ND		1.0	0.18	ug/L			04/25/18 12:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/25/18 12:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/25/18 12:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/25/18 12:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/25/18 12:49	1
Methyl acetate	ND		2.5	1.3	ug/L			04/25/18 12:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/25/18 12:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/25/18 12:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/25/18 12:49	1
Styrene	ND		1.0	0.73	ug/L			04/25/18 12:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/25/18 12:49	1
Toluene	ND		1.0	0.51	ug/L			04/25/18 12:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/25/18 12:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/25/18 12:49	1
Trichloroethene	ND		1.0	0.46	ug/L			04/25/18 12:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/25/18 12:49	1
Vinyl chloride	22		1.0	0.90	ug/L			04/25/18 12:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/25/18 12:49	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-3

Date Collected: 04/17/18 15:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-2

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		04/25/18 12:49	1
4-Bromofluorobenzene (Surr)	99		73 - 120		04/25/18 12:49	1
Toluene-d8 (Surr)	101		80 - 120		04/25/18 12:49	1
Dibromofluoromethane (Surr)	93		75 - 123		04/25/18 12:49	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-4
Date Collected: 04/17/18 10:20
Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/22/18 15:04	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/22/18 15:04	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/22/18 15:04	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/22/18 15:04	20
1,1-Dichloroethane	11	J	20	7.6	ug/L			04/22/18 15:04	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/22/18 15:04	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/22/18 15:04	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/22/18 15:04	20
1,2-Dibromoethane	ND		20	15	ug/L			04/22/18 15:04	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/22/18 15:04	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/22/18 15:04	20
1,2-Dichloropropane	ND		20	14	ug/L			04/22/18 15:04	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/22/18 15:04	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/22/18 15:04	20
2-Butanone (MEK)	ND		200	26	ug/L			04/22/18 15:04	20
2-Hexanone	ND		100	25	ug/L			04/22/18 15:04	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/22/18 15:04	20
Acetone	ND		200	60	ug/L			04/22/18 15:04	20
Benzene	ND		20	8.2	ug/L			04/22/18 15:04	20
Bromodichloromethane	ND		20	7.8	ug/L			04/22/18 15:04	20
Bromoform	ND		20	5.2	ug/L			04/22/18 15:04	20
Bromomethane	ND		20	14	ug/L			04/22/18 15:04	20
Carbon disulfide	ND		20	3.8	ug/L			04/22/18 15:04	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/22/18 15:04	20
Chlorobenzene	ND		20	15	ug/L			04/22/18 15:04	20
Chloroethane	440	F1	20	6.4	ug/L			04/22/18 15:04	20
Chloroform	ND		20	6.8	ug/L			04/22/18 15:04	20
Chloromethane	ND		20	7.0	ug/L			04/22/18 15:04	20
cis-1,2-Dichloroethene	30		20	16	ug/L			04/22/18 15:04	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/22/18 15:04	20
Cyclohexane	ND		20	3.6	ug/L			04/22/18 15:04	20
Dibromochloromethane	ND		20	6.4	ug/L			04/22/18 15:04	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/22/18 15:04	20
Ethylbenzene	ND		20	15	ug/L			04/22/18 15:04	20
Isopropylbenzene	ND		20	16	ug/L			04/22/18 15:04	20
Methyl acetate	ND		50	26	ug/L			04/22/18 15:04	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/22/18 15:04	20
Methylcyclohexane	ND		20	3.2	ug/L			04/22/18 15:04	20
Methylene Chloride	ND		20	8.8	ug/L			04/22/18 15:04	20
Styrene	ND		20	15	ug/L			04/22/18 15:04	20
Tetrachloroethene	ND		20	7.2	ug/L			04/22/18 15:04	20
Toluene	12	J	20	10	ug/L			04/22/18 15:04	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/22/18 15:04	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/22/18 15:04	20
Trichloroethene	ND		20	9.2	ug/L			04/22/18 15:04	20
Trichlorofluoromethane	ND		20	18	ug/L			04/22/18 15:04	20
Vinyl chloride	1600	F1	20	18	ug/L			04/22/18 15:04	20
Xylenes, Total	ND		40	13	ug/L			04/22/18 15:04	20

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-4

Date Collected: 04/17/18 10:20

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-3

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/22/18 15:04	20
4-Bromofluorobenzene (Surr)	100		73 - 120		04/22/18 15:04	20
Toluene-d8 (Surr)	100		80 - 120		04/22/18 15:04	20
Dibromofluoromethane (Surr)	104		75 - 123		04/22/18 15:04	20

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-10

Date Collected: 04/17/18 09:20

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/25/18 13:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/25/18 13:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/25/18 13:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/25/18 13:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/25/18 13:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/25/18 13:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/25/18 13:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/25/18 13:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/25/18 13:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/25/18 13:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/25/18 13:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/25/18 13:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/25/18 13:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/25/18 13:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/25/18 13:16	1
2-Hexanone	ND		5.0	1.2	ug/L			04/25/18 13:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/25/18 13:16	1
Acetone	ND		10	3.0	ug/L			04/25/18 13:16	1
Benzene	ND		1.0	0.41	ug/L			04/25/18 13:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/25/18 13:16	1
Bromoform	ND		1.0	0.26	ug/L			04/25/18 13:16	1
Bromomethane	ND		1.0	0.69	ug/L			04/25/18 13:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/25/18 13:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/25/18 13:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/25/18 13:16	1
Chloroethane	ND		1.0	0.32	ug/L			04/25/18 13:16	1
Chloroform	ND		1.0	0.34	ug/L			04/25/18 13:16	1
Chloromethane	ND		1.0	0.35	ug/L			04/25/18 13:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/25/18 13:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/25/18 13:16	1
Cyclohexane	ND		1.0	0.18	ug/L			04/25/18 13:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/25/18 13:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/25/18 13:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/25/18 13:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/25/18 13:16	1
Methyl acetate	ND		2.5	1.3	ug/L			04/25/18 13:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/25/18 13:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/25/18 13:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/25/18 13:16	1
Styrene	ND		1.0	0.73	ug/L			04/25/18 13:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/25/18 13:16	1
Toluene	ND		1.0	0.51	ug/L			04/25/18 13:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/25/18 13:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/25/18 13:16	1
Trichloroethene	ND		1.0	0.46	ug/L			04/25/18 13:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/25/18 13:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/25/18 13:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/25/18 13:16	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-10

Date Collected: 04/17/18 09:20

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-4

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		04/25/18 13:16	1
4-Bromofluorobenzene (Surr)	99		73 - 120		04/25/18 13:16	1
Toluene-d8 (Surr)	99		80 - 120		04/25/18 13:16	1
Dibromofluoromethane (Surr)	93		75 - 123		04/25/18 13:16	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-11

Date Collected: 04/18/18 09:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			04/25/18 13:44	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			04/25/18 13:44	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			04/25/18 13:44	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			04/25/18 13:44	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			04/25/18 13:44	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			04/25/18 13:44	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			04/25/18 13:44	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			04/25/18 13:44	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			04/25/18 13:44	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			04/25/18 13:44	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			04/25/18 13:44	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			04/25/18 13:44	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			04/25/18 13:44	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			04/25/18 13:44	2
2-Butanone (MEK)	ND		20	2.6	ug/L			04/25/18 13:44	2
2-Hexanone	ND		10	2.5	ug/L			04/25/18 13:44	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			04/25/18 13:44	2
Acetone	ND		20	6.0	ug/L			04/25/18 13:44	2
Benzene	ND		2.0	0.82	ug/L			04/25/18 13:44	2
Bromodichloromethane	ND		2.0	0.78	ug/L			04/25/18 13:44	2
Bromoform	ND		2.0	0.52	ug/L			04/25/18 13:44	2
Bromomethane	ND		2.0	1.4	ug/L			04/25/18 13:44	2
Carbon disulfide	ND		2.0	0.38	ug/L			04/25/18 13:44	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			04/25/18 13:44	2
Chlorobenzene	ND		2.0	1.5	ug/L			04/25/18 13:44	2
Chloroethane	ND		2.0	0.64	ug/L			04/25/18 13:44	2
Chloroform	ND		2.0	0.68	ug/L			04/25/18 13:44	2
Chloromethane	ND		2.0	0.70	ug/L			04/25/18 13:44	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			04/25/18 13:44	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			04/25/18 13:44	2
Cyclohexane	ND		2.0	0.36	ug/L			04/25/18 13:44	2
Dibromochloromethane	ND		2.0	0.64	ug/L			04/25/18 13:44	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			04/25/18 13:44	2
Ethylbenzene	ND		2.0	1.5	ug/L			04/25/18 13:44	2
Isopropylbenzene	ND		2.0	1.6	ug/L			04/25/18 13:44	2
Methyl acetate	ND		5.0	2.6	ug/L			04/25/18 13:44	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			04/25/18 13:44	2
Methylcyclohexane	ND		2.0	0.32	ug/L			04/25/18 13:44	2
Methylene Chloride	ND		2.0	0.88	ug/L			04/25/18 13:44	2
Styrene	ND		2.0	1.5	ug/L			04/25/18 13:44	2
Tetrachloroethene	ND		2.0	0.72	ug/L			04/25/18 13:44	2
Toluene	ND		2.0	1.0	ug/L			04/25/18 13:44	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			04/25/18 13:44	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			04/25/18 13:44	2
Trichloroethene	ND		2.0	0.92	ug/L			04/25/18 13:44	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			04/25/18 13:44	2
Vinyl chloride	ND		2.0	1.8	ug/L			04/25/18 13:44	2
Xylenes, Total	ND		4.0	1.3	ug/L			04/25/18 13:44	2

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-11

Date Collected: 04/18/18 09:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-5

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		04/25/18 13:44	2
4-Bromofluorobenzene (Surr)	102		73 - 120		04/25/18 13:44	2
Toluene-d8 (Surr)	99		80 - 120		04/25/18 13:44	2
Dibromofluoromethane (Surr)	94		75 - 123		04/25/18 13:44	2

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-12

Date Collected: 04/18/18 11:40

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			04/25/18 14:12	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			04/25/18 14:12	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			04/25/18 14:12	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			04/25/18 14:12	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			04/25/18 14:12	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			04/25/18 14:12	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			04/25/18 14:12	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			04/25/18 14:12	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			04/25/18 14:12	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			04/25/18 14:12	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			04/25/18 14:12	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			04/25/18 14:12	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			04/25/18 14:12	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			04/25/18 14:12	4
2-Butanone (MEK)	ND		40	5.3	ug/L			04/25/18 14:12	4
2-Hexanone	ND		20	5.0	ug/L			04/25/18 14:12	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			04/25/18 14:12	4
Acetone	ND		40	12	ug/L			04/25/18 14:12	4
Benzene	ND		4.0	1.6	ug/L			04/25/18 14:12	4
Bromodichloromethane	ND		4.0	1.6	ug/L			04/25/18 14:12	4
Bromoform	ND		4.0	1.0	ug/L			04/25/18 14:12	4
Bromomethane	ND		4.0	2.8	ug/L			04/25/18 14:12	4
Carbon disulfide	ND		4.0	0.76	ug/L			04/25/18 14:12	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			04/25/18 14:12	4
Chlorobenzene	ND		4.0	3.0	ug/L			04/25/18 14:12	4
Chloroethane	4.1		4.0	1.3	ug/L			04/25/18 14:12	4
Chloroform	ND		4.0	1.4	ug/L			04/25/18 14:12	4
Chloromethane	ND		4.0	1.4	ug/L			04/25/18 14:12	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			04/25/18 14:12	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			04/25/18 14:12	4
Cyclohexane	ND		4.0	0.72	ug/L			04/25/18 14:12	4
Dibromochloromethane	ND		4.0	1.3	ug/L			04/25/18 14:12	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			04/25/18 14:12	4
Ethylbenzene	ND		4.0	3.0	ug/L			04/25/18 14:12	4
Isopropylbenzene	ND		4.0	3.2	ug/L			04/25/18 14:12	4
Methyl acetate	ND		10	5.2	ug/L			04/25/18 14:12	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			04/25/18 14:12	4
Methylcyclohexane	ND		4.0	0.64	ug/L			04/25/18 14:12	4
Methylene Chloride	ND		4.0	1.8	ug/L			04/25/18 14:12	4
Styrene	ND		4.0	2.9	ug/L			04/25/18 14:12	4
Tetrachloroethene	ND		4.0	1.4	ug/L			04/25/18 14:12	4
Toluene	ND		4.0	2.0	ug/L			04/25/18 14:12	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			04/25/18 14:12	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			04/25/18 14:12	4
Trichloroethene	ND		4.0	1.8	ug/L			04/25/18 14:12	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			04/25/18 14:12	4
Vinyl chloride	ND		4.0	3.6	ug/L			04/25/18 14:12	4
Xylenes, Total	ND		8.0	2.6	ug/L			04/25/18 14:12	4

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-12

Date Collected: 04/18/18 11:40

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-6

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		04/25/18 14:12	4
4-Bromofluorobenzene (Surr)	100		73 - 120		04/25/18 14:12	4
Toluene-d8 (Surr)	98		80 - 120		04/25/18 14:12	4
Dibromofluoromethane (Surr)	99		75 - 123		04/25/18 14:12	4

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-16S

Date Collected: 04/18/18 12:50

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000	820	ug/L			04/25/18 14:39	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			04/25/18 14:39	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			04/25/18 14:39	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			04/25/18 14:39	1000
1,1-Dichloroethane	960	J	1000	380	ug/L			04/25/18 14:39	1000
1,1-Dichloroethene	860	J	1000	290	ug/L			04/25/18 14:39	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			04/25/18 14:39	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			04/25/18 14:39	1000
1,2-Dibromoethane	ND		1000	730	ug/L			04/25/18 14:39	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			04/25/18 14:39	1000
1,2-Dichloroethane	ND		1000	210	ug/L			04/25/18 14:39	1000
1,2-Dichloropropane	ND		1000	720	ug/L			04/25/18 14:39	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			04/25/18 14:39	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			04/25/18 14:39	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			04/25/18 14:39	1000
2-Hexanone	ND		5000	1200	ug/L			04/25/18 14:39	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			04/25/18 14:39	1000
Acetone	ND		10000	3000	ug/L			04/25/18 14:39	1000
Benzene	ND		1000	410	ug/L			04/25/18 14:39	1000
Bromodichloromethane	ND		1000	390	ug/L			04/25/18 14:39	1000
Bromoform	ND		1000	260	ug/L			04/25/18 14:39	1000
Bromomethane	ND		1000	690	ug/L			04/25/18 14:39	1000
Carbon disulfide	ND		1000	190	ug/L			04/25/18 14:39	1000
Carbon tetrachloride	ND		1000	270	ug/L			04/25/18 14:39	1000
Chlorobenzene	ND		1000	750	ug/L			04/25/18 14:39	1000
Chloroethane	1400		1000	320	ug/L			04/25/18 14:39	1000
Chloroform	ND		1000	340	ug/L			04/25/18 14:39	1000
Chloromethane	ND		1000	350	ug/L			04/25/18 14:39	1000
cis-1,2-Dichloroethene	140000	E	1000	810	ug/L			04/25/18 14:39	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			04/25/18 14:39	1000
Cyclohexane	ND		1000	180	ug/L			04/25/18 14:39	1000
Dibromochloromethane	ND		1000	320	ug/L			04/25/18 14:39	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			04/25/18 14:39	1000
Ethylbenzene	ND		1000	740	ug/L			04/25/18 14:39	1000
Isopropylbenzene	ND		1000	790	ug/L			04/25/18 14:39	1000
Methyl acetate	ND		2500	1300	ug/L			04/25/18 14:39	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			04/25/18 14:39	1000
Methylcyclohexane	ND		1000	160	ug/L			04/25/18 14:39	1000
Methylene Chloride	ND		1000	440	ug/L			04/25/18 14:39	1000
Styrene	ND		1000	730	ug/L			04/25/18 14:39	1000
Tetrachloroethene	ND		1000	360	ug/L			04/25/18 14:39	1000
Toluene	1000		1000	510	ug/L			04/25/18 14:39	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			04/25/18 14:39	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			04/25/18 14:39	1000
Trichloroethene	ND		1000	460	ug/L			04/25/18 14:39	1000
Trichlorofluoromethane	ND		1000	880	ug/L			04/25/18 14:39	1000
Vinyl chloride	130000	E	1000	900	ug/L			04/25/18 14:39	1000
Xylenes, Total	ND		2000	660	ug/L			04/25/18 14:39	1000

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-16S

Date Collected: 04/18/18 12:50

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-7

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		04/25/18 14:39	1000
4-Bromofluorobenzene (Surr)	100		73 - 120		04/25/18 14:39	1000
Toluene-d8 (Surr)	99		80 - 120		04/25/18 14:39	1000
Dibromofluoromethane (Surr)	95		75 - 123		04/25/18 14:39	1000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	1600	ug/L			04/26/18 00:54	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			04/26/18 00:54	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			04/26/18 00:54	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			04/26/18 00:54	2000
1,1-Dichloroethane	900	J	2000	760	ug/L			04/26/18 00:54	2000
1,1-Dichloroethene	ND		2000	580	ug/L			04/26/18 00:54	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			04/26/18 00:54	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			04/26/18 00:54	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			04/26/18 00:54	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			04/26/18 00:54	2000
1,2-Dichloroethane	ND		2000	420	ug/L			04/26/18 00:54	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			04/26/18 00:54	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			04/26/18 00:54	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			04/26/18 00:54	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			04/26/18 00:54	2000
2-Hexanone	ND		10000	2500	ug/L			04/26/18 00:54	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			04/26/18 00:54	2000
Acetone	ND		20000	6000	ug/L			04/26/18 00:54	2000
Benzene	ND		2000	820	ug/L			04/26/18 00:54	2000
Bromodichloromethane	ND		2000	780	ug/L			04/26/18 00:54	2000
Bromoform	ND		2000	520	ug/L			04/26/18 00:54	2000
Bromomethane	ND		2000	1400	ug/L			04/26/18 00:54	2000
Carbon disulfide	ND		2000	380	ug/L			04/26/18 00:54	2000
Carbon tetrachloride	ND		2000	540	ug/L			04/26/18 00:54	2000
Chlorobenzene	ND		2000	1500	ug/L			04/26/18 00:54	2000
Chloroethane	1200	J	2000	640	ug/L			04/26/18 00:54	2000
Chloroform	ND		2000	680	ug/L			04/26/18 00:54	2000
Chloromethane	ND		2000	700	ug/L			04/26/18 00:54	2000
cis-1,2-Dichloroethene	140000		2000	1600	ug/L			04/26/18 00:54	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			04/26/18 00:54	2000
Cyclohexane	ND		2000	360	ug/L			04/26/18 00:54	2000
Dibromochloromethane	ND		2000	640	ug/L			04/26/18 00:54	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			04/26/18 00:54	2000
Ethylbenzene	ND		2000	1500	ug/L			04/26/18 00:54	2000
Isopropylbenzene	ND		2000	1600	ug/L			04/26/18 00:54	2000
Methyl acetate	ND		5000	2600	ug/L			04/26/18 00:54	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			04/26/18 00:54	2000
Methylcyclohexane	ND		2000	320	ug/L			04/26/18 00:54	2000
Methylene Chloride	ND		2000	880	ug/L			04/26/18 00:54	2000
Styrene	ND		2000	1500	ug/L			04/26/18 00:54	2000
Tetrachloroethene	ND		2000	720	ug/L			04/26/18 00:54	2000
Toluene	ND		2000	1000	ug/L			04/26/18 00:54	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			04/26/18 00:54	2000

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-16S

Lab Sample ID: 480-134541-7

Date Collected: 04/18/18 12:50

Matrix: Water

Date Received: 04/19/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2000	740	ug/L			04/26/18 00:54	2000
Trichloroethene	ND		2000	920	ug/L			04/26/18 00:54	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			04/26/18 00:54	2000
Vinyl chloride	92000		2000	1800	ug/L			04/26/18 00:54	2000
Xylenes, Total	ND		4000	1300	ug/L			04/26/18 00:54	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		04/26/18 00:54	2000
4-Bromofluorobenzene (Surr)	99		73 - 120		04/26/18 00:54	2000
Toluene-d8 (Surr)	98		80 - 120		04/26/18 00:54	2000
Dibromofluoromethane (Surr)	95		75 - 123		04/26/18 00:54	2000

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: Duplicate

Date Collected: 04/17/18 08:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/18 19:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/18 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/18 19:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/18 19:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/26/18 19:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/18 19:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/18 19:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/18 19:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/18 19:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/18 19:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/18 19:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/18 19:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/18 19:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/18 19:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/26/18 19:21	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/18 19:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/18 19:21	1
Acetone	ND		10	3.0	ug/L			04/26/18 19:21	1
Benzene	ND		1.0	0.41	ug/L			04/26/18 19:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/18 19:21	1
Bromoform	ND		1.0	0.26	ug/L			04/26/18 19:21	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/18 19:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/18 19:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/18 19:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/18 19:21	1
Chloroethane	ND		1.0	0.32	ug/L			04/26/18 19:21	1
Chloroform	ND		1.0	0.34	ug/L			04/26/18 19:21	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/18 19:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/26/18 19:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/18 19:21	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/18 19:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/18 19:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/18 19:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/18 19:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/18 19:21	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/18 19:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/18 19:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/18 19:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/26/18 19:21	1
Styrene	ND		1.0	0.73	ug/L			04/26/18 19:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/18 19:21	1
Toluene	ND		1.0	0.51	ug/L			04/26/18 19:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/18 19:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/18 19:21	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/18 19:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/26/18 19:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/26/18 19:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/18 19:21	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: Duplicate

Date Collected: 04/17/18 08:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-8

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		04/26/18 19:21	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/26/18 19:21	1
Toluene-d8 (Surr)	98		80 - 120		04/26/18 19:21	1
Dibromofluoromethane (Surr)	103		75 - 123		04/26/18 19:21	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-134541-9

Date Collected: 04/17/18 07:30

Matrix: Water

Date Received: 04/19/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/25/18 15:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/25/18 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/25/18 15:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/25/18 15:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/25/18 15:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/25/18 15:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/25/18 15:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/25/18 15:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/25/18 15:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/25/18 15:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/25/18 15:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/25/18 15:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/25/18 15:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/25/18 15:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/25/18 15:34	1
2-Hexanone	ND		5.0	1.2	ug/L			04/25/18 15:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/25/18 15:34	1
Acetone	ND		10	3.0	ug/L			04/25/18 15:34	1
Benzene	ND		1.0	0.41	ug/L			04/25/18 15:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/25/18 15:34	1
Bromoform	ND		1.0	0.26	ug/L			04/25/18 15:34	1
Bromomethane	ND		1.0	0.69	ug/L			04/25/18 15:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/25/18 15:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/25/18 15:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/25/18 15:34	1
Chloroethane	ND		1.0	0.32	ug/L			04/25/18 15:34	1
Chloroform	ND		1.0	0.34	ug/L			04/25/18 15:34	1
Chloromethane	ND		1.0	0.35	ug/L			04/25/18 15:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/25/18 15:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/25/18 15:34	1
Cyclohexane	ND		1.0	0.18	ug/L			04/25/18 15:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/25/18 15:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/25/18 15:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/25/18 15:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/25/18 15:34	1
Methyl acetate	ND		2.5	1.3	ug/L			04/25/18 15:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/25/18 15:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/25/18 15:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/25/18 15:34	1
Styrene	ND		1.0	0.73	ug/L			04/25/18 15:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/25/18 15:34	1
Toluene	ND		1.0	0.51	ug/L			04/25/18 15:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/25/18 15:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/25/18 15:34	1
Trichloroethene	ND		1.0	0.46	ug/L			04/25/18 15:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/25/18 15:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/25/18 15:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/25/18 15:34	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: Rinse Blank

Date Collected: 04/17/18 07:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-9

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		04/25/18 15:34	1
4-Bromofluorobenzene (Surr)	98		73 - 120		04/25/18 15:34	1
Toluene-d8 (Surr)	99		80 - 120		04/25/18 15:34	1
Dibromofluoromethane (Surr)	97		75 - 123		04/25/18 15:34	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-16D

Date Collected: 04/18/18 13:25

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/18 01:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/18 01:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/18 01:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/18 01:49	1
1,1-Dichloroethane	0.78	J	1.0	0.38	ug/L			04/26/18 01:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/18 01:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/18 01:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/18 01:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/18 01:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/18 01:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/18 01:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/18 01:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/18 01:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/18 01:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/26/18 01:49	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/18 01:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/18 01:49	1
Acetone	ND		10	3.0	ug/L			04/26/18 01:49	1
Benzene	ND		1.0	0.41	ug/L			04/26/18 01:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/18 01:49	1
Bromoform	ND		1.0	0.26	ug/L			04/26/18 01:49	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/18 01:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/18 01:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/18 01:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/18 01:49	1
Chloroethane	52		1.0	0.32	ug/L			04/26/18 01:49	1
Chloroform	ND		1.0	0.34	ug/L			04/26/18 01:49	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/18 01:49	1
cis-1,2-Dichloroethene	1.5		1.0	0.81	ug/L			04/26/18 01:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/18 01:49	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/18 01:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/18 01:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/18 01:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/18 01:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/18 01:49	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/18 01:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/18 01:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/18 01:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/26/18 01:49	1
Styrene	ND		1.0	0.73	ug/L			04/26/18 01:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/18 01:49	1
Toluene	ND		1.0	0.51	ug/L			04/26/18 01:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/18 01:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/18 01:49	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/18 01:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/26/18 01:49	1
Vinyl chloride	15		1.0	0.90	ug/L			04/26/18 01:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/18 01:49	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-16D

Date Collected: 04/18/18 13:25

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-10

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		04/26/18 01:49	1
4-Bromofluorobenzene (Surr)	98		73 - 120		04/26/18 01:49	1
Toluene-d8 (Surr)	96		80 - 120		04/26/18 01:49	1
Dibromofluoromethane (Surr)	98		75 - 123		04/26/18 01:49	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-13S

Date Collected: 04/17/18 11:45

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			04/25/18 16:36	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			04/25/18 16:36	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			04/25/18 16:36	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			04/25/18 16:36	40
1,1-Dichloroethane	16	J	40	15	ug/L			04/25/18 16:36	40
1,1-Dichloroethene	47		40	12	ug/L			04/25/18 16:36	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			04/25/18 16:36	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			04/25/18 16:36	40
1,2-Dibromoethane	ND		40	29	ug/L			04/25/18 16:36	40
1,2-Dichlorobenzene	ND		40	32	ug/L			04/25/18 16:36	40
1,2-Dichloroethane	ND		40	8.4	ug/L			04/25/18 16:36	40
1,2-Dichloropropane	ND		40	29	ug/L			04/25/18 16:36	40
1,3-Dichlorobenzene	ND		40	31	ug/L			04/25/18 16:36	40
1,4-Dichlorobenzene	ND		40	34	ug/L			04/25/18 16:36	40
2-Butanone (MEK)	ND		400	53	ug/L			04/25/18 16:36	40
2-Hexanone	ND		200	50	ug/L			04/25/18 16:36	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			04/25/18 16:36	40
Acetone	ND		400	120	ug/L			04/25/18 16:36	40
Benzene	ND		40	16	ug/L			04/25/18 16:36	40
Bromodichloromethane	ND		40	16	ug/L			04/25/18 16:36	40
Bromoform	ND		40	10	ug/L			04/25/18 16:36	40
Bromomethane	ND		40	28	ug/L			04/25/18 16:36	40
Carbon disulfide	ND		40	7.6	ug/L			04/25/18 16:36	40
Carbon tetrachloride	ND		40	11	ug/L			04/25/18 16:36	40
Chlorobenzene	ND		40	30	ug/L			04/25/18 16:36	40
Chloroethane	ND		40	13	ug/L			04/25/18 16:36	40
Chloroform	ND		40	14	ug/L			04/25/18 16:36	40
Chloromethane	ND		40	14	ug/L			04/25/18 16:36	40
cis-1,2-Dichloroethene	6100	E	40	32	ug/L			04/25/18 16:36	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			04/25/18 16:36	40
Cyclohexane	ND		40	7.2	ug/L			04/25/18 16:36	40
Dibromochloromethane	ND		40	13	ug/L			04/25/18 16:36	40
Dichlorodifluoromethane	ND		40	27	ug/L			04/25/18 16:36	40
Ethylbenzene	ND		40	30	ug/L			04/25/18 16:36	40
Isopropylbenzene	ND		40	32	ug/L			04/25/18 16:36	40
Methyl acetate	ND		100	52	ug/L			04/25/18 16:36	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			04/25/18 16:36	40
Methylcyclohexane	ND		40	6.4	ug/L			04/25/18 16:36	40
Methylene Chloride	ND		40	18	ug/L			04/25/18 16:36	40
Styrene	ND		40	29	ug/L			04/25/18 16:36	40
Tetrachloroethene	ND		40	14	ug/L			04/25/18 16:36	40
Toluene	ND		40	20	ug/L			04/25/18 16:36	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			04/25/18 16:36	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			04/25/18 16:36	40
Trichloroethene	ND		40	18	ug/L			04/25/18 16:36	40
Trichlorofluoromethane	ND		40	35	ug/L			04/25/18 16:36	40
Vinyl chloride	3600		40	36	ug/L			04/25/18 16:36	40
Xylenes, Total	ND		80	26	ug/L			04/25/18 16:36	40

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-13S

Date Collected: 04/17/18 11:45

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-11

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		04/25/18 16:36	40
4-Bromofluorobenzene (Surr)	96		73 - 120		04/25/18 16:36	40
Toluene-d8 (Surr)	98		80 - 120		04/25/18 16:36	40
Dibromofluoromethane (Surr)	93		75 - 123		04/25/18 16:36	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			04/26/18 02:16	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			04/26/18 02:16	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			04/26/18 02:16	100
1,1,2-Trichloroethane	ND		100	23	ug/L			04/26/18 02:16	100
1,1-Dichloroethane	ND		100	38	ug/L			04/26/18 02:16	100
1,1-Dichloroethene	35	J	100	29	ug/L			04/26/18 02:16	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			04/26/18 02:16	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			04/26/18 02:16	100
1,2-Dibromoethane	ND		100	73	ug/L			04/26/18 02:16	100
1,2-Dichlorobenzene	ND		100	79	ug/L			04/26/18 02:16	100
1,2-Dichloroethane	ND		100	21	ug/L			04/26/18 02:16	100
1,2-Dichloropropane	ND		100	72	ug/L			04/26/18 02:16	100
1,3-Dichlorobenzene	ND		100	78	ug/L			04/26/18 02:16	100
1,4-Dichlorobenzene	ND		100	84	ug/L			04/26/18 02:16	100
2-Butanone (MEK)	ND		1000	130	ug/L			04/26/18 02:16	100
2-Hexanone	ND		500	120	ug/L			04/26/18 02:16	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			04/26/18 02:16	100
Acetone	ND		1000	300	ug/L			04/26/18 02:16	100
Benzene	ND		100	41	ug/L			04/26/18 02:16	100
Bromodichloromethane	ND		100	39	ug/L			04/26/18 02:16	100
Bromoform	ND		100	26	ug/L			04/26/18 02:16	100
Bromomethane	ND		100	69	ug/L			04/26/18 02:16	100
Carbon disulfide	ND		100	19	ug/L			04/26/18 02:16	100
Carbon tetrachloride	ND		100	27	ug/L			04/26/18 02:16	100
Chlorobenzene	ND		100	75	ug/L			04/26/18 02:16	100
Chloroethane	ND		100	32	ug/L			04/26/18 02:16	100
Chloroform	ND		100	34	ug/L			04/26/18 02:16	100
Chloromethane	ND		100	35	ug/L			04/26/18 02:16	100
cis-1,2-Dichloroethene	4400		100	81	ug/L			04/26/18 02:16	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			04/26/18 02:16	100
Cyclohexane	ND		100	18	ug/L			04/26/18 02:16	100
Dibromochloromethane	ND		100	32	ug/L			04/26/18 02:16	100
Dichlorodifluoromethane	ND		100	68	ug/L			04/26/18 02:16	100
Ethylbenzene	ND		100	74	ug/L			04/26/18 02:16	100
Isopropylbenzene	ND		100	79	ug/L			04/26/18 02:16	100
Methyl acetate	ND		250	130	ug/L			04/26/18 02:16	100
Methyl tert-butyl ether	ND		100	16	ug/L			04/26/18 02:16	100
Methylcyclohexane	ND		100	16	ug/L			04/26/18 02:16	100
Methylene Chloride	ND		100	44	ug/L			04/26/18 02:16	100
Styrene	ND		100	73	ug/L			04/26/18 02:16	100
Tetrachloroethene	ND		100	36	ug/L			04/26/18 02:16	100
Toluene	ND		100	51	ug/L			04/26/18 02:16	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			04/26/18 02:16	100

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-13S

Lab Sample ID: 480-134541-11

Date Collected: 04/17/18 11:45

Matrix: Water

Date Received: 04/19/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		100	37	ug/L			04/26/18 02:16	100
Trichloroethene	ND		100	46	ug/L			04/26/18 02:16	100
Trichlorofluoromethane	ND		100	88	ug/L			04/26/18 02:16	100
Vinyl chloride	2600		100	90	ug/L			04/26/18 02:16	100
Xylenes, Total	ND		200	66	ug/L			04/26/18 02:16	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		04/26/18 02:16	100
4-Bromofluorobenzene (Surr)	96		73 - 120		04/26/18 02:16	100
Toluene-d8 (Surr)	98		80 - 120		04/26/18 02:16	100
Dibromofluoromethane (Surr)	99		75 - 123		04/26/18 02:16	100

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-8R

Date Collected: 04/18/18 08:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			04/25/18 17:11	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			04/25/18 17:11	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			04/25/18 17:11	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			04/25/18 17:11	10
1,1-Dichloroethane	53		10	3.8	ug/L			04/25/18 17:11	10
1,1-Dichloroethene	27		10	2.9	ug/L			04/25/18 17:11	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			04/25/18 17:11	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			04/25/18 17:11	10
1,2-Dibromoethane	ND		10	7.3	ug/L			04/25/18 17:11	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			04/25/18 17:11	10
1,2-Dichloroethane	ND		10	2.1	ug/L			04/25/18 17:11	10
1,2-Dichloropropane	ND		10	7.2	ug/L			04/25/18 17:11	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			04/25/18 17:11	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			04/25/18 17:11	10
2-Butanone (MEK)	ND		100	13	ug/L			04/25/18 17:11	10
2-Hexanone	ND		50	12	ug/L			04/25/18 17:11	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			04/25/18 17:11	10
Acetone	ND		100	30	ug/L			04/25/18 17:11	10
Benzene	ND		10	4.1	ug/L			04/25/18 17:11	10
Bromodichloromethane	ND		10	3.9	ug/L			04/25/18 17:11	10
Bromoform	ND		10	2.6	ug/L			04/25/18 17:11	10
Bromomethane	ND		10	6.9	ug/L			04/25/18 17:11	10
Carbon disulfide	ND		10	1.9	ug/L			04/25/18 17:11	10
Carbon tetrachloride	ND		10	2.7	ug/L			04/25/18 17:11	10
Chlorobenzene	ND		10	7.5	ug/L			04/25/18 17:11	10
Chloroethane	44		10	3.2	ug/L			04/25/18 17:11	10
Chloroform	ND		10	3.4	ug/L			04/25/18 17:11	10
Chloromethane	ND		10	3.5	ug/L			04/25/18 17:11	10
cis-1,2-Dichloroethene	5700	E	10	8.1	ug/L			04/25/18 17:11	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			04/25/18 17:11	10
Cyclohexane	ND		10	1.8	ug/L			04/25/18 17:11	10
Dibromochloromethane	ND		10	3.2	ug/L			04/25/18 17:11	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			04/25/18 17:11	10
Ethylbenzene	ND		10	7.4	ug/L			04/25/18 17:11	10
Isopropylbenzene	ND		10	7.9	ug/L			04/25/18 17:11	10
Methyl acetate	ND		25	13	ug/L			04/25/18 17:11	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			04/25/18 17:11	10
Methylcyclohexane	ND		10	1.6	ug/L			04/25/18 17:11	10
Methylene Chloride	4.7	J	10	4.4	ug/L			04/25/18 17:11	10
Styrene	ND		10	7.3	ug/L			04/25/18 17:11	10
Tetrachloroethene	ND		10	3.6	ug/L			04/25/18 17:11	10
Toluene	28		10	5.1	ug/L			04/25/18 17:11	10
trans-1,2-Dichloroethene	22		10	9.0	ug/L			04/25/18 17:11	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			04/25/18 17:11	10
Trichloroethene	13		10	4.6	ug/L			04/25/18 17:11	10
Trichlorofluoromethane	ND		10	8.8	ug/L			04/25/18 17:11	10
Vinyl chloride	4000	E	10	9.0	ug/L			04/25/18 17:11	10
Xylenes, Total	ND		20	6.6	ug/L			04/25/18 17:11	10

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-8R

Date Collected: 04/18/18 08:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-12

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		04/25/18 17:11	10
4-Bromofluorobenzene (Surr)	95		73 - 120		04/25/18 17:11	10
Toluene-d8 (Surr)	97		80 - 120		04/25/18 17:11	10
Dibromofluoromethane (Surr)	92		75 - 123		04/25/18 17:11	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			04/26/18 02:44	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			04/26/18 02:44	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			04/26/18 02:44	100
1,1,2-Trichloroethane	ND		100	23	ug/L			04/26/18 02:44	100
1,1-Dichloroethane	54	J	100	38	ug/L			04/26/18 02:44	100
1,1-Dichloroethene	ND		100	29	ug/L			04/26/18 02:44	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			04/26/18 02:44	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			04/26/18 02:44	100
1,2-Dibromoethane	ND		100	73	ug/L			04/26/18 02:44	100
1,2-Dichlorobenzene	ND		100	79	ug/L			04/26/18 02:44	100
1,2-Dichloroethane	ND		100	21	ug/L			04/26/18 02:44	100
1,2-Dichloropropane	ND		100	72	ug/L			04/26/18 02:44	100
1,3-Dichlorobenzene	ND		100	78	ug/L			04/26/18 02:44	100
1,4-Dichlorobenzene	ND		100	84	ug/L			04/26/18 02:44	100
2-Butanone (MEK)	ND		1000	130	ug/L			04/26/18 02:44	100
2-Hexanone	ND		500	120	ug/L			04/26/18 02:44	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			04/26/18 02:44	100
Acetone	ND		1000	300	ug/L			04/26/18 02:44	100
Benzene	ND		100	41	ug/L			04/26/18 02:44	100
Bromodichloromethane	ND		100	39	ug/L			04/26/18 02:44	100
Bromoform	ND		100	26	ug/L			04/26/18 02:44	100
Bromomethane	ND		100	69	ug/L			04/26/18 02:44	100
Carbon disulfide	ND		100	19	ug/L			04/26/18 02:44	100
Carbon tetrachloride	ND		100	27	ug/L			04/26/18 02:44	100
Chlorobenzene	ND		100	75	ug/L			04/26/18 02:44	100
Chloroethane	38	J	100	32	ug/L			04/26/18 02:44	100
Chloroform	ND		100	34	ug/L			04/26/18 02:44	100
Chloromethane	ND		100	35	ug/L			04/26/18 02:44	100
cis-1,2-Dichloroethene	5700		100	81	ug/L			04/26/18 02:44	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			04/26/18 02:44	100
Cyclohexane	ND		100	18	ug/L			04/26/18 02:44	100
Dibromochloromethane	ND		100	32	ug/L			04/26/18 02:44	100
Dichlorodifluoromethane	ND		100	68	ug/L			04/26/18 02:44	100
Ethylbenzene	ND		100	74	ug/L			04/26/18 02:44	100
Isopropylbenzene	ND		100	79	ug/L			04/26/18 02:44	100
Methyl acetate	ND		250	130	ug/L			04/26/18 02:44	100
Methyl tert-butyl ether	ND		100	16	ug/L			04/26/18 02:44	100
Methylcyclohexane	ND		100	16	ug/L			04/26/18 02:44	100
Methylene Chloride	ND		100	44	ug/L			04/26/18 02:44	100
Styrene	ND		100	73	ug/L			04/26/18 02:44	100
Tetrachloroethene	ND		100	36	ug/L			04/26/18 02:44	100
Toluene	ND		100	51	ug/L			04/26/18 02:44	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			04/26/18 02:44	100

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-8R

Date Collected: 04/18/18 08:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		100	37	ug/L			04/26/18 02:44	100
Trichloroethene	ND		100	46	ug/L			04/26/18 02:44	100
Trichlorofluoromethane	ND		100	88	ug/L			04/26/18 02:44	100
Vinyl chloride	4300		100	90	ug/L			04/26/18 02:44	100
Xylenes, Total	ND		200	66	ug/L			04/26/18 02:44	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		04/26/18 02:44	100
4-Bromofluorobenzene (Surr)	96		73 - 120		04/26/18 02:44	100
Toluene-d8 (Surr)	96		80 - 120		04/26/18 02:44	100
Dibromofluoromethane (Surr)	98		75 - 123		04/26/18 02:44	100

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-13D

Date Collected: 04/18/18 13:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/18 03:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/18 03:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/18 03:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/18 03:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/26/18 03:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/18 03:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/18 03:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/18 03:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/18 03:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/18 03:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/18 03:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/18 03:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/18 03:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/18 03:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/26/18 03:11	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/18 03:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/18 03:11	1
Acetone	ND		10	3.0	ug/L			04/26/18 03:11	1
Benzene	ND		1.0	0.41	ug/L			04/26/18 03:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/18 03:11	1
Bromoform	ND		1.0	0.26	ug/L			04/26/18 03:11	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/18 03:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/18 03:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/18 03:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/18 03:11	1
Chloroethane	6.5		1.0	0.32	ug/L			04/26/18 03:11	1
Chloroform	ND		1.0	0.34	ug/L			04/26/18 03:11	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/18 03:11	1
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L			04/26/18 03:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/18 03:11	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/18 03:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/18 03:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/18 03:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/18 03:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/18 03:11	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/18 03:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/18 03:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/18 03:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/26/18 03:11	1
Styrene	ND		1.0	0.73	ug/L			04/26/18 03:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/18 03:11	1
Toluene	ND		1.0	0.51	ug/L			04/26/18 03:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/18 03:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/18 03:11	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/18 03:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/26/18 03:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/26/18 03:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/18 03:11	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-13D

Date Collected: 04/18/18 13:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-13

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		04/26/18 03:11	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/26/18 03:11	1
Toluene-d8 (Surr)	96		80 - 120		04/26/18 03:11	1
Dibromofluoromethane (Surr)	97		75 - 123		04/26/18 03:11	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: Trip Blank

Date Collected: 04/17/18 07:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/25/18 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/25/18 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/25/18 18:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/25/18 18:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/25/18 18:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/25/18 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/25/18 18:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/25/18 18:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/25/18 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/25/18 18:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/25/18 18:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/25/18 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/25/18 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/25/18 18:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/25/18 18:06	1
2-Hexanone	ND		5.0	1.2	ug/L			04/25/18 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/25/18 18:06	1
Acetone	ND		10	3.0	ug/L			04/25/18 18:06	1
Benzene	ND		1.0	0.41	ug/L			04/25/18 18:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/25/18 18:06	1
Bromoform	ND		1.0	0.26	ug/L			04/25/18 18:06	1
Bromomethane	ND		1.0	0.69	ug/L			04/25/18 18:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/25/18 18:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/25/18 18:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/25/18 18:06	1
Chloroethane	ND		1.0	0.32	ug/L			04/25/18 18:06	1
Chloroform	ND		1.0	0.34	ug/L			04/25/18 18:06	1
Chloromethane	ND		1.0	0.35	ug/L			04/25/18 18:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/25/18 18:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/25/18 18:06	1
Cyclohexane	ND		1.0	0.18	ug/L			04/25/18 18:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/25/18 18:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/25/18 18:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/25/18 18:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/25/18 18:06	1
Methyl acetate	ND		2.5	1.3	ug/L			04/25/18 18:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/25/18 18:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/25/18 18:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/25/18 18:06	1
Styrene	ND		1.0	0.73	ug/L			04/25/18 18:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/25/18 18:06	1
Toluene	ND		1.0	0.51	ug/L			04/25/18 18:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/25/18 18:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/25/18 18:06	1
Trichloroethene	ND		1.0	0.46	ug/L			04/25/18 18:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/25/18 18:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/25/18 18:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/25/18 18:06	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: Trip Blank

Date Collected: 04/17/18 07:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-14

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		04/25/18 18:06	1
4-Bromofluorobenzene (Surr)	101		73 - 120		04/25/18 18:06	1
Toluene-d8 (Surr)	100		80 - 120		04/25/18 18:06	1
Dibromofluoromethane (Surr)	95		75 - 123		04/25/18 18:06	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-9

Date Collected: 04/17/18 14:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/25/18 18:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/25/18 18:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/25/18 18:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/25/18 18:33	1
1,1-Dichloroethane	29		1.0	0.38	ug/L			04/25/18 18:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/25/18 18:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/25/18 18:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/25/18 18:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/25/18 18:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/25/18 18:33	1
1,2-Dichloroethane	0.58 J		1.0	0.21	ug/L			04/25/18 18:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/25/18 18:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/25/18 18:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/25/18 18:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/25/18 18:33	1
2-Hexanone	ND		5.0	1.2	ug/L			04/25/18 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/25/18 18:33	1
Acetone	ND		10	3.0	ug/L			04/25/18 18:33	1
Benzene	ND		1.0	0.41	ug/L			04/25/18 18:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/25/18 18:33	1
Bromoform	ND		1.0	0.26	ug/L			04/25/18 18:33	1
Bromomethane	ND		1.0	0.69	ug/L			04/25/18 18:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/25/18 18:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/25/18 18:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/25/18 18:33	1
Chloroethane	ND		1.0	0.32	ug/L			04/25/18 18:33	1
Chloroform	ND		1.0	0.34	ug/L			04/25/18 18:33	1
Chloromethane	ND		1.0	0.35	ug/L			04/25/18 18:33	1
cis-1,2-Dichloroethene	12		1.0	0.81	ug/L			04/25/18 18:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/25/18 18:33	1
Cyclohexane	ND		1.0	0.18	ug/L			04/25/18 18:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/25/18 18:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/25/18 18:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/25/18 18:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/25/18 18:33	1
Methyl acetate	ND		2.5	1.3	ug/L			04/25/18 18:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/25/18 18:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/25/18 18:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/25/18 18:33	1
Styrene	ND		1.0	0.73	ug/L			04/25/18 18:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/25/18 18:33	1
Toluene	ND		1.0	0.51	ug/L			04/25/18 18:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/25/18 18:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/25/18 18:33	1
Trichloroethene	ND		1.0	0.46	ug/L			04/25/18 18:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/25/18 18:33	1
Vinyl chloride	7.2		1.0	0.90	ug/L			04/25/18 18:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/25/18 18:33	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-9

Date Collected: 04/17/18 14:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-15

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		04/25/18 18:33	1
4-Bromofluorobenzene (Surr)	100		73 - 120		04/25/18 18:33	1
Toluene-d8 (Surr)	99		80 - 120		04/25/18 18:33	1
Dibromofluoromethane (Surr)	98		75 - 123		04/25/18 18:33	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-14D

Date Collected: 04/18/18 11:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/25/18 19:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/25/18 19:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/25/18 19:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/25/18 19:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/25/18 19:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/25/18 19:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/25/18 19:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/25/18 19:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/25/18 19:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/25/18 19:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/25/18 19:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/25/18 19:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/25/18 19:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/25/18 19:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/25/18 19:01	1
2-Hexanone	ND		5.0	1.2	ug/L			04/25/18 19:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/25/18 19:01	1
Acetone	ND		10	3.0	ug/L			04/25/18 19:01	1
Benzene	ND		1.0	0.41	ug/L			04/25/18 19:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/25/18 19:01	1
Bromoform	ND		1.0	0.26	ug/L			04/25/18 19:01	1
Bromomethane	ND		1.0	0.69	ug/L			04/25/18 19:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/25/18 19:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/25/18 19:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/25/18 19:01	1
Chloroethane	ND		1.0	0.32	ug/L			04/25/18 19:01	1
Chloroform	ND		1.0	0.34	ug/L			04/25/18 19:01	1
Chloromethane	ND		1.0	0.35	ug/L			04/25/18 19:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/25/18 19:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/25/18 19:01	1
Cyclohexane	ND		1.0	0.18	ug/L			04/25/18 19:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/25/18 19:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/25/18 19:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/25/18 19:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/25/18 19:01	1
Methyl acetate	ND		2.5	1.3	ug/L			04/25/18 19:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/25/18 19:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/25/18 19:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/25/18 19:01	1
Styrene	ND		1.0	0.73	ug/L			04/25/18 19:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/25/18 19:01	1
Toluene	ND		1.0	0.51	ug/L			04/25/18 19:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/25/18 19:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/25/18 19:01	1
Trichloroethene	ND		1.0	0.46	ug/L			04/25/18 19:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/25/18 19:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/25/18 19:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/25/18 19:01	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

TestAmerica Job ID: 480-134234-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-14D

Lab Sample ID: 480-134541-16

Date Collected: 04/18/18 11:00

Matrix: Water

Date Received: 04/19/18 15:30

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		04/25/18 19:01	1
4-Bromofluorobenzene (Surr)	99		73 - 120		04/25/18 19:01	1
Toluene-d8 (Surr)	101		80 - 120		04/25/18 19:01	1
Dibromofluoromethane (Surr)	95		75 - 123		04/25/18 19:01	1

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-15S

Date Collected: 04/18/18 14:40

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/25/18 20:03	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/25/18 20:03	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/25/18 20:03	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/25/18 20:03	20
1,1-Dichloroethane	750		20	7.6	ug/L			04/25/18 20:03	20
1,1-Dichloroethene	12 J		20	5.8	ug/L			04/25/18 20:03	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/25/18 20:03	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/25/18 20:03	20
1,2-Dibromoethane	ND		20	15	ug/L			04/25/18 20:03	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/25/18 20:03	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/25/18 20:03	20
1,2-Dichloropropane	ND		20	14	ug/L			04/25/18 20:03	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/25/18 20:03	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/25/18 20:03	20
2-Butanone (MEK)	78 J		200	26	ug/L			04/25/18 20:03	20
2-Hexanone	ND		100	25	ug/L			04/25/18 20:03	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/25/18 20:03	20
Acetone	320		200	60	ug/L			04/25/18 20:03	20
Benzene	ND		20	8.2	ug/L			04/25/18 20:03	20
Bromodichloromethane	ND		20	7.8	ug/L			04/25/18 20:03	20
Bromoform	ND		20	5.2	ug/L			04/25/18 20:03	20
Bromomethane	ND		20	14	ug/L			04/25/18 20:03	20
Carbon disulfide	ND		20	3.8	ug/L			04/25/18 20:03	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/25/18 20:03	20
Chlorobenzene	ND		20	15	ug/L			04/25/18 20:03	20
Chloroethane	190		20	6.4	ug/L			04/25/18 20:03	20
Chloroform	ND		20	6.8	ug/L			04/25/18 20:03	20
Chloromethane	ND		20	7.0	ug/L			04/25/18 20:03	20
cis-1,2-Dichloroethene	900		20	16	ug/L			04/25/18 20:03	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/25/18 20:03	20
Cyclohexane	ND		20	3.6	ug/L			04/25/18 20:03	20
Dibromochloromethane	ND		20	6.4	ug/L			04/25/18 20:03	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/25/18 20:03	20
Ethylbenzene	ND		20	15	ug/L			04/25/18 20:03	20
Isopropylbenzene	ND		20	16	ug/L			04/25/18 20:03	20
Methyl acetate	ND		50	26	ug/L			04/25/18 20:03	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/25/18 20:03	20
Methylcyclohexane	ND		20	3.2	ug/L			04/25/18 20:03	20
Methylene Chloride	12 J		20	8.8	ug/L			04/25/18 20:03	20
Styrene	ND		20	15	ug/L			04/25/18 20:03	20
Tetrachloroethene	ND		20	7.2	ug/L			04/25/18 20:03	20
Toluene	170		20	10	ug/L			04/25/18 20:03	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/25/18 20:03	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/25/18 20:03	20
Trichloroethene	85		20	9.2	ug/L			04/25/18 20:03	20
Trichlorofluoromethane	ND		20	18	ug/L			04/25/18 20:03	20
Vinyl chloride	350		20	18	ug/L			04/25/18 20:03	20
Xylenes, Total	22 J		40	13	ug/L			04/25/18 20:03	20

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-15S

Date Collected: 04/18/18 14:40

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-17

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		04/25/18 20:03	20
4-Bromofluorobenzene (Surr)	100		73 - 120		04/25/18 20:03	20
Toluene-d8 (Surr)	100		80 - 120		04/25/18 20:03	20
Dibromofluoromethane (Surr)	98		75 - 123		04/25/18 20:03	20

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-15D

Date Collected: 04/18/18 15:25

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			04/26/18 03:39	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			04/26/18 03:39	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			04/26/18 03:39	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			04/26/18 03:39	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			04/26/18 03:39	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			04/26/18 03:39	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			04/26/18 03:39	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			04/26/18 03:39	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			04/26/18 03:39	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			04/26/18 03:39	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			04/26/18 03:39	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			04/26/18 03:39	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			04/26/18 03:39	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			04/26/18 03:39	5
2-Butanone (MEK)	ND		50	6.6	ug/L			04/26/18 03:39	5
2-Hexanone	ND		25	6.2	ug/L			04/26/18 03:39	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			04/26/18 03:39	5
Acetone	ND		50	15	ug/L			04/26/18 03:39	5
Benzene	ND		5.0	2.1	ug/L			04/26/18 03:39	5
Bromodichloromethane	ND		5.0	2.0	ug/L			04/26/18 03:39	5
Bromoform	ND		5.0	1.3	ug/L			04/26/18 03:39	5
Bromomethane	ND		5.0	3.5	ug/L			04/26/18 03:39	5
Carbon disulfide	ND		5.0	0.95	ug/L			04/26/18 03:39	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			04/26/18 03:39	5
Chlorobenzene	ND		5.0	3.8	ug/L			04/26/18 03:39	5
Chloroethane	730	E	5.0	1.6	ug/L			04/26/18 03:39	5
Chloroform	ND		5.0	1.7	ug/L			04/26/18 03:39	5
Chloromethane	ND		5.0	1.8	ug/L			04/26/18 03:39	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			04/26/18 03:39	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			04/26/18 03:39	5
Cyclohexane	ND		5.0	0.90	ug/L			04/26/18 03:39	5
Dibromochloromethane	ND		5.0	1.6	ug/L			04/26/18 03:39	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			04/26/18 03:39	5
Ethylbenzene	ND		5.0	3.7	ug/L			04/26/18 03:39	5
Isopropylbenzene	ND		5.0	4.0	ug/L			04/26/18 03:39	5
Methyl acetate	ND		13	6.5	ug/L			04/26/18 03:39	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			04/26/18 03:39	5
Methylcyclohexane	ND		5.0	0.80	ug/L			04/26/18 03:39	5
Methylene Chloride	ND		5.0	2.2	ug/L			04/26/18 03:39	5
Styrene	ND		5.0	3.7	ug/L			04/26/18 03:39	5
Tetrachloroethene	ND		5.0	1.8	ug/L			04/26/18 03:39	5
Toluene	ND		5.0	2.6	ug/L			04/26/18 03:39	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			04/26/18 03:39	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			04/26/18 03:39	5
Trichloroethene	ND		5.0	2.3	ug/L			04/26/18 03:39	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			04/26/18 03:39	5
Vinyl chloride	ND		5.0	4.5	ug/L			04/26/18 03:39	5
Xylenes, Total	ND		10	3.3	ug/L			04/26/18 03:39	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-15D

Lab Sample ID: 480-134541-18

Date Collected: 04/18/18 15:25

Matrix: Water

Date Received: 04/19/18 15:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		04/26/18 03:39	5
4-Bromofluorobenzene (Surr)	97		73 - 120		04/26/18 03:39	5
Toluene-d8 (Surr)	99		80 - 120		04/26/18 03:39	5
Dibromofluoromethane (Surr)	99		75 - 123		04/26/18 03:39	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/26/18 19:49	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/26/18 19:49	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/26/18 19:49	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/26/18 19:49	20
1,1-Dichloroethane	ND		20	7.6	ug/L			04/26/18 19:49	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/26/18 19:49	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/26/18 19:49	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/26/18 19:49	20
1,2-Dibromoethane	ND		20	15	ug/L			04/26/18 19:49	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/26/18 19:49	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/26/18 19:49	20
1,2-Dichloropropane	ND		20	14	ug/L			04/26/18 19:49	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/26/18 19:49	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/26/18 19:49	20
2-Butanone (MEK)	ND		200	26	ug/L			04/26/18 19:49	20
2-Hexanone	ND		100	25	ug/L			04/26/18 19:49	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/26/18 19:49	20
Acetone	ND		200	60	ug/L			04/26/18 19:49	20
Benzene	ND		20	8.2	ug/L			04/26/18 19:49	20
Bromodichloromethane	ND		20	7.8	ug/L			04/26/18 19:49	20
Bromoform	ND		20	5.2	ug/L			04/26/18 19:49	20
Bromomethane	ND		20	14	ug/L			04/26/18 19:49	20
Carbon disulfide	ND		20	3.8	ug/L			04/26/18 19:49	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/26/18 19:49	20
Chlorobenzene	ND		20	15	ug/L			04/26/18 19:49	20
Chloroethane	770	F1	20	6.4	ug/L			04/26/18 19:49	20
Chloroform	ND		20	6.8	ug/L			04/26/18 19:49	20
Chloromethane	ND		20	7.0	ug/L			04/26/18 19:49	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			04/26/18 19:49	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/26/18 19:49	20
Cyclohexane	ND		20	3.6	ug/L			04/26/18 19:49	20
Dibromochloromethane	ND		20	6.4	ug/L			04/26/18 19:49	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/26/18 19:49	20
Ethylbenzene	ND		20	15	ug/L			04/26/18 19:49	20
Isopropylbenzene	ND		20	16	ug/L			04/26/18 19:49	20
Methyl acetate	ND		50	26	ug/L			04/26/18 19:49	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/26/18 19:49	20
Methylcyclohexane	ND		20	3.2	ug/L			04/26/18 19:49	20
Methylene Chloride	ND		20	8.8	ug/L			04/26/18 19:49	20
Styrene	ND		20	15	ug/L			04/26/18 19:49	20
Tetrachloroethene	ND		20	7.2	ug/L			04/26/18 19:49	20
Toluene	ND		20	10	ug/L			04/26/18 19:49	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/26/18 19:49	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-15D

Lab Sample ID: 480-134541-18

Date Collected: 04/18/18 15:25

Matrix: Water

Date Received: 04/19/18 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/26/18 19:49	20
Trichloroethene	ND		20	9.2	ug/L			04/26/18 19:49	20
Trichlorofluoromethane	ND		20	18	ug/L			04/26/18 19:49	20
Vinyl chloride	ND		20	18	ug/L			04/26/18 19:49	20
Xylenes, Total	ND		40	13	ug/L			04/26/18 19:49	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		04/26/18 19:49	20
4-Bromofluorobenzene (Surr)	97		73 - 120		04/26/18 19:49	20
Toluene-d8 (Surr)	99		80 - 120		04/26/18 19:49	20
Dibromofluoromethane (Surr)	102		75 - 123		04/26/18 19:49	20

Lab Chronicle

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-1

Date Collected: 04/13/18 07:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	410257	04/23/18 12:08	AEM	TAL BUF

Client Sample ID: DPE-2

Date Collected: 04/13/18 08:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	410257	04/23/18 12:32	AEM	TAL BUF

Client Sample ID: DPE-3

Date Collected: 04/13/18 08:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	410257	04/23/18 12:55	AEM	TAL BUF

Client Sample ID: DPE-4

Date Collected: 04/13/18 09:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	410257	04/23/18 13:19	AEM	TAL BUF

Client Sample ID: DPE-5

Date Collected: 04/13/18 10:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	410257	04/23/18 13:42	AEM	TAL BUF

Client Sample ID: DPE-7

Date Collected: 04/13/18 10:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	410408	04/23/18 21:43	LCH	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: DPE-8

Date Collected: 04/13/18 11:00

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	410257	04/23/18 14:29	AEM	TAL BUF

Client Sample ID: GWCT

Date Collected: 04/13/18 07:30

Date Received: 04/13/18 11:05

Lab Sample ID: 480-134234-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410257	04/23/18 14:53	AEM	TAL BUF

Client Sample ID: MW-2

Date Collected: 04/17/18 16:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410709	04/25/18 12:21	RLB	TAL BUF

Client Sample ID: MW-3

Date Collected: 04/17/18 15:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410709	04/25/18 12:49	RLB	TAL BUF

Client Sample ID: MW-4

Date Collected: 04/17/18 10:20

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	410180	04/22/18 15:04	AMM	TAL BUF

Client Sample ID: MW-10

Date Collected: 04/17/18 09:20

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410709	04/25/18 13:16	RLB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-11

Date Collected: 04/18/18 09:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	410709	04/25/18 13:44	RLB	TAL BUF

Client Sample ID: MW-12

Date Collected: 04/18/18 11:40

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	410709	04/25/18 14:12	RLB	TAL BUF

Client Sample ID: MW-16S

Date Collected: 04/18/18 12:50

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1000	410709	04/25/18 14:39	RLB	TAL BUF
Total/NA	Analysis	8260C	DL	2000	410932	04/26/18 00:54	NMC	TAL BUF

Client Sample ID: Duplicate

Date Collected: 04/17/18 08:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410954	04/26/18 19:21	RLB	TAL BUF

Client Sample ID: Rinse Blank

Date Collected: 04/17/18 07:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410709	04/25/18 15:34	RLB	TAL BUF

Client Sample ID: MW-16D

Date Collected: 04/18/18 13:25

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410932	04/26/18 01:49	NMC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-13S

Date Collected: 04/17/18 11:45

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	410709	04/25/18 16:36	RLB	TAL BUF
Total/NA	Analysis	8260C	DL	100	410932	04/26/18 02:16	NMC	TAL BUF

Client Sample ID: MW-8R

Date Collected: 04/18/18 08:30

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	410709	04/25/18 17:11	RLB	TAL BUF
Total/NA	Analysis	8260C	DL	100	410932	04/26/18 02:44	NMC	TAL BUF

Client Sample ID: MW-13D

Date Collected: 04/18/18 13:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410932	04/26/18 03:11	NMC	TAL BUF

Client Sample ID: Trip Blank

Date Collected: 04/17/18 07:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410709	04/25/18 18:06	RLB	TAL BUF

Client Sample ID: MW-9

Date Collected: 04/17/18 14:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410709	04/25/18 18:33	RLB	TAL BUF

Client Sample ID: MW-14D

Date Collected: 04/18/18 11:00

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	410709	04/25/18 19:01	RLB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-134234-1

Client Sample ID: MW-15S

Date Collected: 04/18/18 14:40

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	410709	04/25/18 20:03	RLB	TAL BUF

Client Sample ID: MW-15D

Date Collected: 04/18/18 15:25

Date Received: 04/19/18 15:30

Lab Sample ID: 480-134541-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	410932	04/26/18 03:39	NMC	TAL BUF
Total/NA	Analysis	8260C	DL	20	410954	04/26/18 19:49	RLB	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-134234-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

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

Method Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-134234-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-134234-1	DPE-1	Water	04/13/18 07:00	04/13/18 11:05
480-134234-2	DPE-2	Water	04/13/18 08:00	04/13/18 11:05
480-134234-3	DPE-3	Water	04/13/18 08:30	04/13/18 11:05
480-134234-4	DPE-4	Water	04/13/18 09:00	04/13/18 11:05
480-134234-5	DPE-5	Water	04/13/18 10:00	04/13/18 11:05
480-134234-6	DPE-7	Water	04/13/18 10:30	04/13/18 11:05
480-134234-7	DPE-8	Water	04/13/18 11:00	04/13/18 11:05
480-134234-8	GWCT	Water	04/13/18 07:30	04/13/18 11:05
480-134541-1	MW-2	Water	04/17/18 16:30	04/19/18 15:30
480-134541-2	MW-3	Water	04/17/18 15:30	04/19/18 15:30
480-134541-3	MW-4	Water	04/17/18 10:20	04/19/18 15:30
480-134541-4	MW-10	Water	04/17/18 09:20	04/19/18 15:30
480-134541-5	MW-11	Water	04/18/18 09:30	04/19/18 15:30
480-134541-6	MW-12	Water	04/18/18 11:40	04/19/18 15:30
480-134541-7	MW-16S	Water	04/18/18 12:50	04/19/18 15:30
480-134541-8	Duplicate	Water	04/17/18 08:00	04/19/18 15:30
480-134541-9	Rinse Blank	Water	04/17/18 07:30	04/19/18 15:30
480-134541-10	MW-16D	Water	04/18/18 13:25	04/19/18 15:30
480-134541-11	MW-13S	Water	04/17/18 11:45	04/19/18 15:30
480-134541-12	MW-8R	Water	04/18/18 08:30	04/19/18 15:30
480-134541-13	MW-13D	Water	04/18/18 13:00	04/19/18 15:30
480-134541-14	Trip Blank	Water	04/17/18 07:00	04/19/18 15:30
480-134541-15	MW-9	Water	04/17/18 14:00	04/19/18 15:30
480-134541-16	MW-14D	Water	04/18/18 11:00	04/19/18 15:30
480-134541-17	MW-15S	Water	04/18/18 14:40	04/19/18 15:30
480-134541-18	MW-15D	Water	04/18/18 15:25	04/19/18 15:30

TestAmerica Buffalo

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-134234-1

Login Number: 134234

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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: 480-134234-1

Login Number: 134541

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

TestAmerica

Anherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Company Name: AECOM		Client Contact		Project Manager: Dina Zuck		Site Contact: D Zuck		COC No: 1 of 1 COCs	
Address: 257 West Genesee				Tel/Fax:		Lab Contact: 8 Zuck		Carrier:	
City/State/Zip: Buffalo NY 14202				Analysis Turnaround Time				Sampler:	
Phone: 716 866 8222				☐ CALENDAR DAYS ☐ WORKING DAYS				For Lab Use Only	
Fax:				TAT if different from Below				Wa	
Project Name: Scoti Figgie West Plant				☐ 2 weeks				Lab	
Site: Lancaster NY				☐ 1 week				Job	
PO # 87648				☐ 2 days				480-134234 COC	
				☐ 1 day					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:
DPG-1	4/13/18	0700	G	W	3		X		
DPG-2	4/13/18	0800	G	W	3		X		
DPG-3	4/13/18	0830	G	W	3		X		
DPG-4	4/13/18	0900	G	W	3		X		
DPG-5	4/13/18	1000	G	W	3		X		
DPG-7	4/13/18	1030	G	W	3		X		
DPG-8	4/13/18	1100	G	W	3		X		
GWCT	4/13/18	0730	G	W	3		X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other									
Possible Hazard Identification:									
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.									
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown									
Special Instructions/QC Requirements & Comments:									
Custody Seal No.: _____									
Relinquished by: Dina Zuck Date/Time: 4/13/18 10:30am									
Relinquished by: _____ Date/Time: _____									
Relinquished by: _____ Date/Time: _____									

TestAmerica Buffalo

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

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



Client Information	
Client Contact:	Mr. Dino Zack
Company:	AECOM
Address:	257 West Genesee Street Suite 400
City:	Buffalo
State, Zip:	NY, 14202-2657
Phone:	
Email:	dino.zack@aecom.com
Project Name:	Scott Aviation site
Site:	New York

Sampler:		Lab PM:	Fischer, Brian J
Phone:	716 866 8222	E-Mail:	brian.fischer@testamericainc.com
Carrier:			

COC No:	480-110341-3450.1
Page:	Page 1 of 3
Job #:	

Analysis Request: 480-134541 COC	
Due Date Requested:	
TAT Requested (days):	STD
PO #:	
Purchase Order not requir	
WO #:	
Project #:	48002539
SSOW#:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, G=gas, B=biological, A=air)	Field Filtered	Perform MS/M	8260C - TCL list	Total Number	Special Instructions/Note:
MW-2	4/17/18	1630	G	Water			X		
MW-3	4/17/18	1530	G	Water			X		
MW-4	4/17/18	1020	G	Water			X		
MW-6				water					NS7 Sample D
MW-10	4/17/18	0920	G	Water			X		
MW-11	4/18/18	0930	G	Water			X		
MW-12	4/18/18	1140	G	Water			X		
MW-16S	4/18/18	1250	G	Water			X		
Duplicate	4/17/18	0800	G	Water			X		
Rinse	4/17/18	0730	G	Water			X		
MW-16D	4/18/18	1325	G	Water			X		

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/OC Requirements:	
Empty Kit Relinquished by:	
Relinquished by:	Date: 4/18/18 Time: 1615hrs Company: AECOM
Relinquished by:	Date: 4/19/18 Time: 1530 Company: WCS
Relinquished by:	Date: 4/19/18 Time: 1530 Company: WCS

Received by:	
Date: 4/19/18 Time: 1615hrs	Company: WCS
Date: 4/19/18 Time: 1530	Company: WCS
Date: 4/19/18 Time: 1530	Company: WCS

5.0 #1

Chain of Custody Record

Client Information Client Contact: Mr. Dino Zack Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: 716-866-8222 Email: dino.zack@aecom.com Project Name: Scott Aviation site Site: New York		Lab PM: Fischer, Brian J E-Mail: brian.fischer@testamericainc.com Due Date Requested: 5/1/18 TAT Requested (days): 5/1/18 PO #: 48002539 WO #: 48002539 Project #: 48002539 SSOW#:		Camer Tracking No(s): COC No: 480-110341-3450.2 Page: Page 2 of 3 Job #:	
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 Other:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)		Total Number of Containers:	
Sample Identification MW-13S MW-8R MW-13D GWGT Trip DPT-1 DPT-2 DPT-3 DPT-4 DPT-5 DPT-7		Sample Date 4/17/18 4/18/18 4/18/18 4/17/18		Sample Time 1145 0830 1300 0200	
Sample Type (C=Comp, G=grab) G G G G		Matrix (W=water, S=solid, O=on-site, A=lab) Water Water Water Water		Field Filtered Sample (Yes or No) X X X X	
Perform MS/MSD (Yes or No) X X X X		8260C - TCL list OLM04.2 A K X X X		Special Instructions/Note:	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Date: 4/18/18 4/19/18 4/19/18 4/19/18		Time: 1615hrs 0830 0830 1530	
Company: AECOM Company: WCS Company: WCS Company: WCS		Received by: [Signature] Received by: [Signature] Received by: [Signature] Received by: [Signature]		Date/Time: 4/19/18 @ 1420 4/19/18 @ 0830 4/19/18 @ 0830 4/19/18 @ 1530	
Custody Seal No.: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks:		Ver: 08/04/2016 S.O #1	

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Mr. Dino Zack Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: _____ Email: dino.zack@aecom.com Project Name: Scott Aviation site Site: New York		Lab PM: Fischer, Brian J E-Mail: brian.fischer@testamericainc.com Carrier Tracking No(s): 480-110341-3450.3 Page 3 of 3		Analysis Requested Due Date Requested: _____ TAT Requested (days): _____ PO #: _____ Purchase Order not requir _____ WO #: _____ Project #: 48002539 SSOW#: _____	
Sample Identification Sample ID: DMT-8 Matrix: Water Sample Type: G (Grab) Sample Date: 4/17/18 Sample Time: 1400 Preservation Code: A		Field Filtered Sample (Yes or No) ☒ A Perform MS/MSD (Yes or No) ☒ A 8260C - TCL list OLM04.2		Total Number of Containers: _____ Special Instructions/Note: Not Sampled	
Sample ID: MW-9 Matrix: Water Sample Type: G (Grab) Sample Date: 4/18/18 Sample Time: 1100 Preservation Code: A		Field Filtered Sample (Yes or No) ☒ A Perform MS/MSD (Yes or No) ☒ A 8260C - TCL list OLM04.2		Total Number of Containers: _____ Special Instructions/Note: Not Sampled	
Sample ID: MW-14S Matrix: Water Sample Type: G (Grab) Sample Date: 4/18/18 Sample Time: 1440 Preservation Code: A		Field Filtered Sample (Yes or No) ☒ A Perform MS/MSD (Yes or No) ☒ A 8260C - TCL list OLM04.2		Total Number of Containers: _____ Special Instructions/Note: Not Sampled	
Sample ID: MW-14D Matrix: Water Sample Type: G (Grab) Sample Date: 4/18/18 Sample Time: 1525 Preservation Code: A		Field Filtered Sample (Yes or No) ☒ A Perform MS/MSD (Yes or No) ☒ A 8260C - TCL list OLM04.2		Total Number of Containers: _____ Special Instructions/Note: Not Sampled	
Sample ID: MW-15S Matrix: Water Sample Type: G (Grab) Sample Date: _____ Sample Time: _____ Preservation Code: _____		Field Filtered Sample (Yes or No) ☐ A Perform MS/MSD (Yes or No) ☐ A 8260C - TCL list OLM04.2		Total Number of Containers: _____ Special Instructions/Note: _____	
Sample ID: MW-15D Matrix: Water Sample Type: G (Grab) Sample Date: _____ Sample Time: _____ Preservation Code: _____		Field Filtered Sample (Yes or No) ☐ A Perform MS/MSD (Yes or No) ☐ A 8260C - TCL list OLM04.2		Total Number of Containers: _____ Special Instructions/Note: _____	
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: _____					
Empty Kit Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Date: 4/18/18 1615hs Date/Time: 4/18/18 0152 Date/Time: 4/18/18 1530		Method of Shipment: _____ Received by: [Signature] Received by: [Signature] Received by: [Signature]	
Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: _____ Email: dino.zack@aecom.com		Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: _____ Email: dino.zack@aecom.com		Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: _____ Email: dino.zack@aecom.com	
Custody Seals Intact: _____ A Yes A No		Custody Seal No.: _____		Cooler Temperature(s) °C and Other Remarks: _____	