



Environment

Prepared for:
Scott Figgie LLC.
Frankford, DE

Prepared by:
AECOM
Buffalo, NY
60538931
May 2017

Periodic Review Report (April 7, 2016 through April 20, 2017)

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





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Dino L. Zack, PG, STS

Prepared By [Name]

James Kaczor, P.G.

Reviewed By [Name]

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List of Acronyms

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
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 7, 2016 through April 20, 2017)", 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: _____

Mark E. Lang, P.E., BCEE
New York License No. 074013
AECOM Technical Services, Inc.

Date: _____

5-30-2017

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 7, 2016 and April 20, 2017.

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 2017 comprehensive groundwater monitoring event, and a comparison of historical comprehensive groundwater analytical results to the April 2017 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. Dual Phase Extraction (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 (µg/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 DPT-3, DPT-4, DPT-5, DPT-7, and DPT-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. 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 7, 2016 through April 20, 2017).

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 off line 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 7, 2016 through April 20, 2017, the total volume of groundwater treated and discharged to the sanitary sewer via the AS unit was approximately 524,171 gallons, at an average flow rate of 0.96 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 2016 (following April 2016 sampling event through end of July 2016 sampling event) combined DPE remedial system O&M:

- AECOM continued routine GWCT remediation system O&M and optimization throughout the quarter. The GWCT remediation system ran continuously throughout the quarter; the DPE system remained off to accommodate the November 2014 and April/May 2015 ABC+[®] injection programs and monitoring periods.
- AECOM completed the July 2016 quarterly groundwater sampling event during the week of July 4, 2016.

Fourth Quarter 2016 (following July 2016 sampling event through end of October 2016 sampling event) combined DPE remedial system O&M:

- AECOM continued routine GWCT remediation system O&M and optimization throughout the quarter. The GWCT remediation system ran continuously throughout the quarter; the DPE system remained off until the new knockout tank transfer pump was repaired.
- Matrix Environmental Technologies, Inc. (Matrix), a subcontractor to AECOM, visited the Site on July 11, 2016 to restart the DPE system after being off to accommodate the April/May 2015 injection pilot study. During a follow up visit by Matrix on July 15, 2016, a torn stator was observed on the knockout tank transfer pump; the DPE system was turned off until a new stator was installed.
- Matrix visited the Site on August 1, 2, 3, 5, and 10 to perform minor repairs to the DPE system. The DPE system was successfully restarted on August 10, 2016 after being off-line to accommodate the April/May 2015 injection pilot study. Per weekly system O&M site visits, the system ran continuously throughout the remainder of the quarter.
- Matrix visited the Site on September 26, 2016 to perform quarterly O&M activities including cleaning of the air stripper, removing solids from the knock out tank and hold tank, cleaning system totalizers, and changing filters.
- AECOM performed the October 2016 fourth quarter groundwater sampling event during the week of October 24, 2016.

First Quarter 2017 (following October 2016 sampling event through end of January 2017 sampling event) combined DPE remedial system O&M:

- AECOM continued routine GWCT and DPE remediation system O&M and optimization throughout the quarter. The system ran continuously throughout the quarter.
- Matrix visited the Site on November 16, 2016 to trouble-shoot low pumping rates observed at some DPE wells and the GWCT.
- AECOM and Matrix visited the Site on December 20, 2016 to perform quarterly O&M activities including cleaning of the air stripper, removing solids from the knock out tank and hold tank, cleaning system totalizers, and changing filters. In addition, Matrix installed temporary above-ground conveyance piping from the liquid ring pump (i.e., vacuum pump) to DPE-7 and DPE-8 as blockage was identified in the existing conveyance lines.
- AECOM and AECOM's subcontractor Heritage Environmental Services, LLC (HES) performed the 180-day hazardous waste pickup on January 10, 2017.
- AECOM and Matrix removed sediment accumulated in the bottom of the GWCT manhole on January 11, 2017. The sediment was placed in a 55-gallon drum for off-site disposal during the next scheduled hazardous waste pickup.
- AECOM performed the first quarter 2017 NYSDEC groundwater sampling activity during the week of January 16, 2017.

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

- AECOM continued routine GWCT and DPE remediation system O&M and optimization throughout the quarter. The system ran continuously throughout the quarter.
- AECOM performed quarterly remediation system O&M activity and DPE well and conveyance piping abatement with subcontractor Matrix.
- AECOM performed the first quarter 2017 NYSDEC groundwater sampling activity during the week of April 17, 2017.

2.3.3 Waste Disposal

On January 10, 2017, HES transported and disposed one 55-gallon drum (236 pounds) containing sediment and miscellaneous debris. This hazardous material (F002 waste code) was generated during O&M activities conducted at the Site between August 2016 and January 2017. AECOM personnel supervised the loading of the drum at the Site prior to transportation to the Heritage Thermal Services, Inc. facility located in East Liverpool, Ohio.

Note: there was no hazardous waste generated between January 2016 and August 2016, as the DPE system was off line.

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

3.0 Groundwater Monitoring Summary

The following sections provide a detailed description of groundwater monitoring activities completed during the current reporting period (April 7, 2016 through April 20, 2017), 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 accordance with Table 11 of the NYSDEC-approved 11th PRR (AECOM, November 2016). A total of four groundwater monitoring events were performed during the current reporting period (**Table 3**). These included three targeted quarterly monitoring events (July 2016, October 2016, and January 2017) and one comprehensive monitoring event (April 2017).

In July 2016, October 2016, and January 2017, 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 and MW-16S). 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 2016, October 2016, and January 2017.

In April 2017, a comprehensive groundwater monitoring event included all Site monitoring wells and nested piezometer pairs (17 total wells), 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 2016, October 2016, and January 2017 groundwater sampling events have previously been provided to the NYSDEC in quarterly monitoring summary reports (AECOM, August 2016; AECOM, December 2016; and AECOM, February 2017). A discussion of the groundwater analytical results for the comprehensive April 2017 sampling event is presented in Sections 3.2 and 3.3 of this report.

3.2 April 2017 Groundwater Sampling, Elevations and Groundwater Flow Direction

AECOM personnel collected groundwater samples for the latest comprehensive monitoring event between April 18 and 20, 2017, in accordance with the procedures outlined in the NYSDEC-approved RDWP. The monitoring wells sampled in April 2017 are shown on **Table 3**. Field forms generated during the April 2017 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, GWCT manhole. **Table 4** provides a summary of groundwater elevations measured on April 18, 2017. A 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 and 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 2017 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 2017 ranged from 672.61 ft above mean sea level (AMSL) at MW-8R to 686.27 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. 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 2017 Groundwater Analytical Results

The April 2017 groundwater sampling event was the twelfth comprehensive sampling event conducted at the Site following the installation of the DPE system in May 2004. VOCs detected in groundwater during the April 2017 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, Part 702.15(a)(2) and 703.5.

Groundwater Quality Results - April 2017

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/NYCRR Exceedances
Chloroethane	1.4 – 1,400	13	13
cis-1,2-Dichloroethene	0.36 – 75,000	13	8
Vinyl chloride	2.1 – 72,000	11	9
1,1-Dichloroethane	0.35 – 1,000	11	8
trans-1,2-Dichloroethene	0.41 – 1,300	9	4
Toluene	0.48 - 740	7	4
1,1-Dichloroethene	0.34 - 380	5	2
Trichloroethene	0.26 - 86	4	3
Benzene	0.6 – 3.1	4	2
Acetone	160 - 230	2	2
2-Butanone	380	1	1
Xylenes, total	29	1	1
1,2-Dichloroethane	1.4	1	1

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/NYCRR Exceedances
Carbon Disulfide	2.4	1	0
1,1,1-Trichloroethane	0.6	1	0

A total of 15 VOCs were detected in groundwater at monitoring wells and piezometers during the April 2017 sampling event. Thirteen of the 15 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 2017 isoconcentration contours for 1,1-dichloroethane (1,1-DCA), cis-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 2017 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 2017 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 four wells (MW-8R, MW-13S, MW-15S, and MW-16S); 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 2017. The most marked reduction has been at well MW-16S, where the TCE concentration has been reduced by 99.8%.

Summary of Annual TCE Concentrations in Groundwater through April 2017

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
MW-2	<10	< 25	< 5	< 5	<25	<1	<1	<1	<1	<5	<1	<1
MW-3	<10	< 25	5 J	< 5	<5	<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
MW-6	< 10	< 5	0.63 J	< 5	<5	<1	<1	<1	<1	<1	<1	<1
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
MW-9	< 10	1.3	2.6 J	< 5	<5	<1	<1	<1	<1	<1	<1	<1
MW-10	<10	< 5	< 5	< 5	<5	<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
MW-12	< 10	< 25	< 5	NS	<5	<1	<1	<1	<1	<1	<5	<1
MW-13S	760	17,000	570	3,400	1,400	40,000	39,000	40,000	32,000	31,000	<100	0.26
MW-13D	8	2 J	< 5	< 5	< 5	22	62	53	30	40	<10	<1
MW-14S	< 10	5.7 J	< 5	0.38 J	< 5	< 1	1.3	<1	<1	<1	<1	<1
MW-14D	10	0.96 J	< 5	< 5	9.4	0.97	0.64J	0.99	<1	<1	<1	<1
MW-15S	400	400	400	180	270	200	240	140	160	85	110	70
MW-15D	< 50	4.9 J	3.6 J	< 25	<5	<8	<10	<8	<20	<20	<10	<1
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
MW-16D	32	6.1	6 J	52	12	22	42	57	<25	<20	<10	<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 2017 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 11th 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 daughter products (cis-1,2-DCE and VC) and 1,1,1-TCA daughter products (1,1-DCA and chloroethane) provide supportive evidence that the attenuation of TCE and 1,1,1-TCA and their daughter products via reductive dechlorination continues to occur in-situ at the Site. The occurrence and concentrations of these daughter products are directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. The daughter 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 2016 through April 2017.

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 2016, October 2016, and January 2017) 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 2017).

AECOM collected vapor effluent samples from the AS unit and the LRP for the final quarterly monitoring event of the reporting period on April 13, 2017. 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 2017 sampling event, 16 VOCs were detected in the AS unit effluent and four VOCs were detected in the LRP effluent. The total VOC discharge was 114 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in the AS unit effluent and 3,686 $\mu\text{g}/\text{m}^3$ in the LRP effluent. Based on these effluent totals, the calculated VOC discharge-loading rate for the combined DPE remediation system was 0.00195 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.

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 2016, October 2016, January 2017, and April 2017. 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 7, 2016, BSA performed an annual compliance inspection at the Site. In an electronic mail from BSA dated January 17, 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 for both groundwater and soil vapor was calculated based on operational and analytical data collected between July 4, 2016 and April 13, 2017.

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 0.27 pounds of VOCs were removed via groundwater extraction by the GWCT system per data collected from the July 2016 (Third Quarter 2015) through April 2017 (Second Quarter 2017) sampling events (note again that the DPE system was brought back on line in August 2016).

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 16.9 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 17.2 pounds of VOCs are estimated to have been removed by the combined DPE remediation system during the current reporting period (year). Note: The LRP was not operational during the July 2016 sampling event.

Combining the totals for the 12 reporting periods, the cumulative mass of VOCs removed by the system is estimated at 3,020 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 was offline during the third quarter 2016 to accommodate the November 2014 and April 2015 ABC+[®] injection program. The GWCT ran continuously, with only minor downtime.
2. During the current reporting period from April 7, 2016 through April 20, 2017, the total groundwater treated and discharged to the sanitary sewer via the AS unit was an estimated 524,171 gallons, at a combined average flow rate of 0.96 gpm.
3. Approximately 17.2 pounds of VOCs were removed by the combined remediation system from April 7, 2016 through April 13, 2017. An estimated cumulative total of 3,020 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 on April 18, 2016 ranged from 672.61 ft AMSL at MW-8R to 686.27 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 2017 comprehensive groundwater sampling event, 1,1,1-TCA was not detected above the RAO; TCE was detected above its RAO at MW-8R, MW-15S, and MW-16S.
8. Chloroethane, cis-1,2-DCE, VC, 1,1-DCA, and trans-1,2-DCE were the most frequently detected VOCs in groundwater. For the April 2017 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 daughter products (cis-1,2-DCE, VC) and 1,1,1-TCA daughter products (1,1,1-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 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 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 calcium hydroxide (lime) buildup, prior to the April 2018 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. Perform three targeted quarterly groundwater sampling events and one comprehensive groundwater sampling event during the next reporting period.
8. Review and update the Site health and safety plan as needed.
9. Finalize a Site Management Plan.

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**, six perimeter wells (MW-2, MW-3, MW-6, MW-10, MW-11, and MW-12), six historic source area wells (MW-4, MW-8R, MW-13S, MW-13D, MW-16S, and MW-16D), seven active DPE wells (DPT-1, DPT-2, DPT-3, DPT-4, DPT-5, DPT-7, and DPT-8), and the GWCT will be sampled during the next three targeted quarterly events (July 2017, October 2017, and January 2018) for the next reporting period. The comprehensive groundwater monitoring event scheduled for April 2018 will include all 17 Site monitoring wells and nested piezometers as well as the active DPE wells (DPT-1, DPT-2, DPT-3, DPT-4, DPT-5, DPT-7, and DPT-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 (thirteenth 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 2018 comprehensive groundwater sampling event and will cover the period of April 2017 through April 2018.

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 in 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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AECOM. December 2016. "Fourth Quarter 2016 Groundwater Monitoring Report, October 2016 Sampling Event, Former Scott Aviation Facility, Lancaster, New York, NYSDEC Site Code No. 9-15-149".

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AECOM. November 2016. "2016 Periodic Review Report, April 2016 Sampling Event, Former Scott Aviation Facility, Lancaster, New York, NYSDEC Site Code No. 9-15-149".

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Earth Tech. April 2004. "Phase I Environmental Site Assessment and Modified Compliance Assessment, Tyco/Scott Aviation Facility, Lancaster, New York."

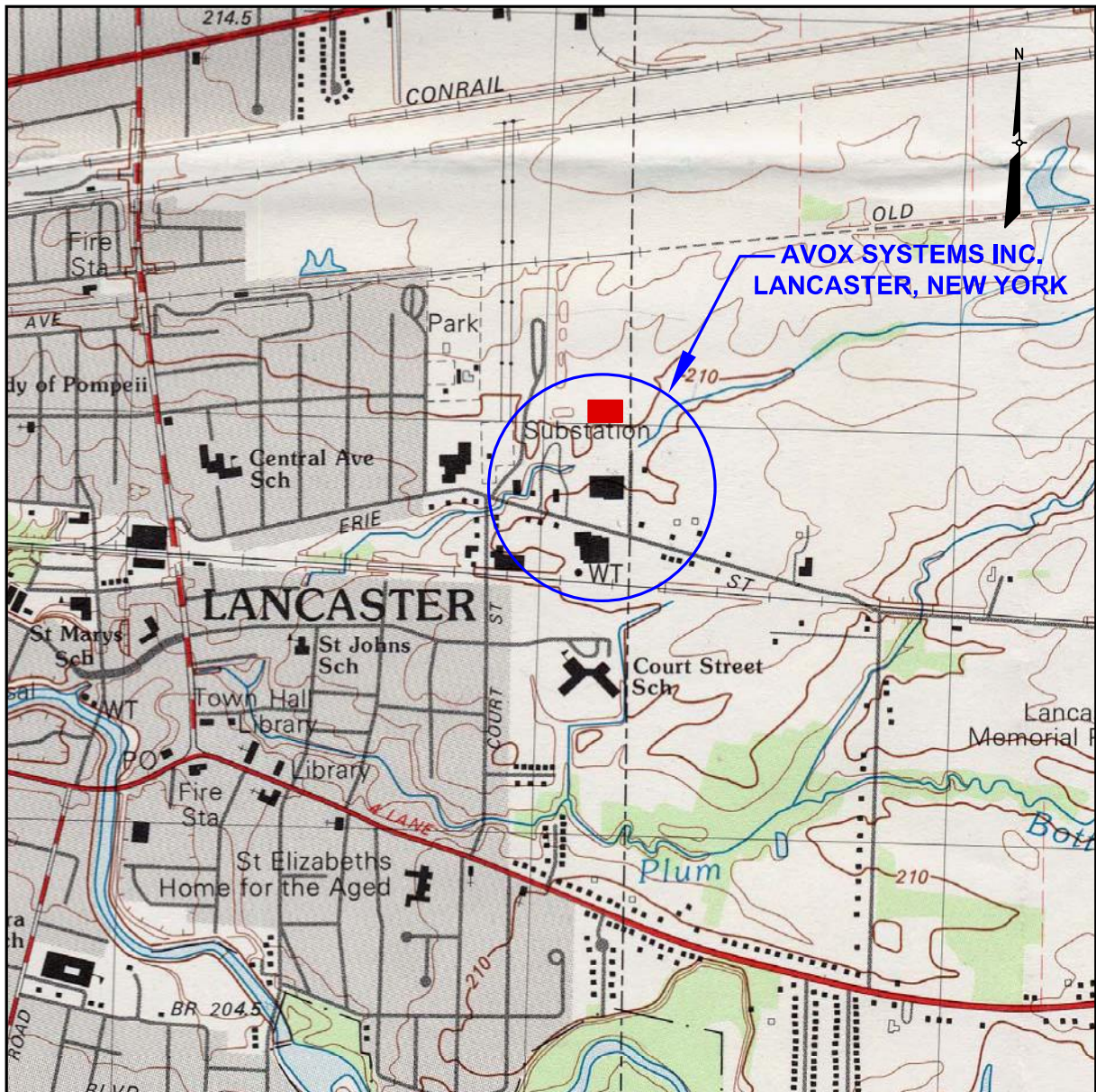
Earth Tech. November 2003. "Remedial Design Work Plan, Scott Aviation, Inc., Lancaster, New York".

Earth Tech. June 2003. "Site Investigation Completion Report, Scott Aviation, Inc., Lancaster, New York".

O'Brien & Gere Engineers, Inc. July 1996. "Soil and Ground Water Remediation Project, Scott Aviation, Lancaster, New York".

NYSDEC, Division of Hazardous Waste Remediation. November 1994. "Record of Decision, Scott Aviation Site, Village of Lancaster, Erie County, I.D. Number 9-15-149".

Figures



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

LEGEND

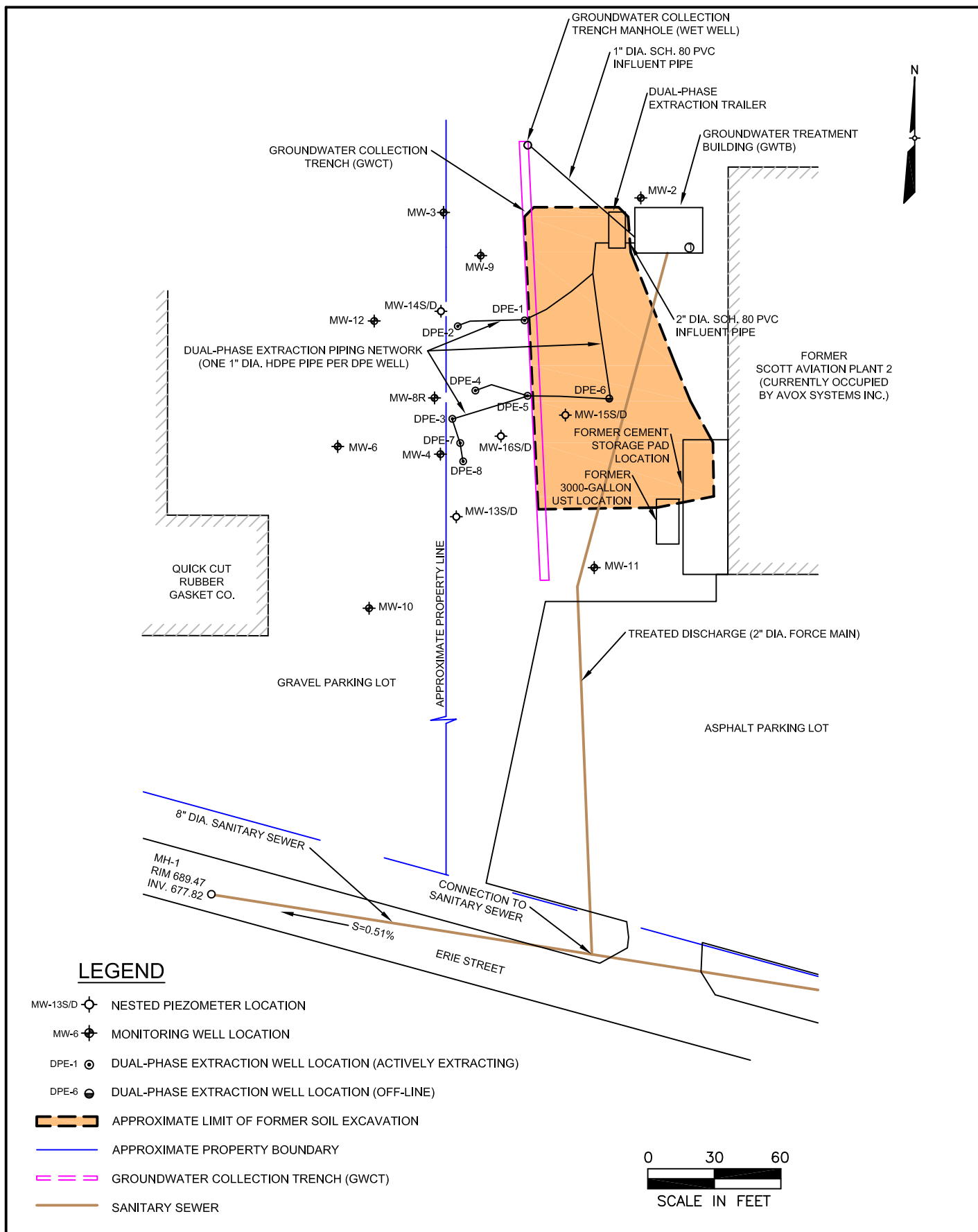
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SCALE IN FEET

AECOM

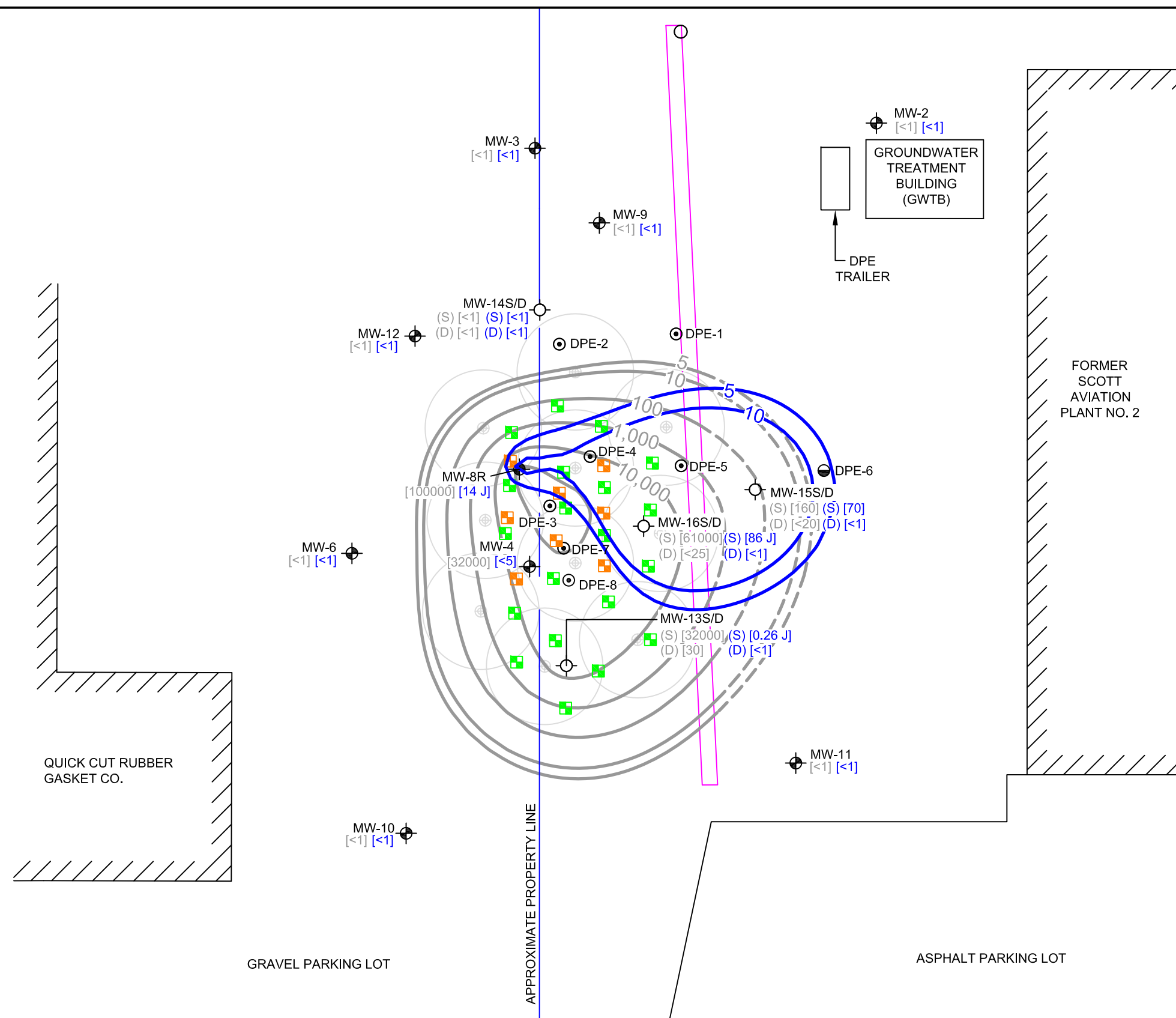
FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY AREA 1
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)

[70]

TRICHLOROETHENE CONCENTRATION (µg/L) (APRIL 2017)

10

TRICHLOROETHENE ISOCONCENTRATION CONTOUR (µg/L) (APRIL 2017)

5

REMEDIAL ACTION OBJECTIVE FOR TRICHLOROETHENE (µg/L) (APRIL 2017)

[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

NOTE

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

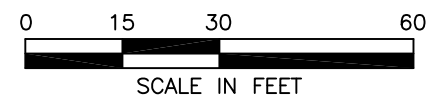


FIGURE 3
LOCATION OF INJECTION POINTS

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

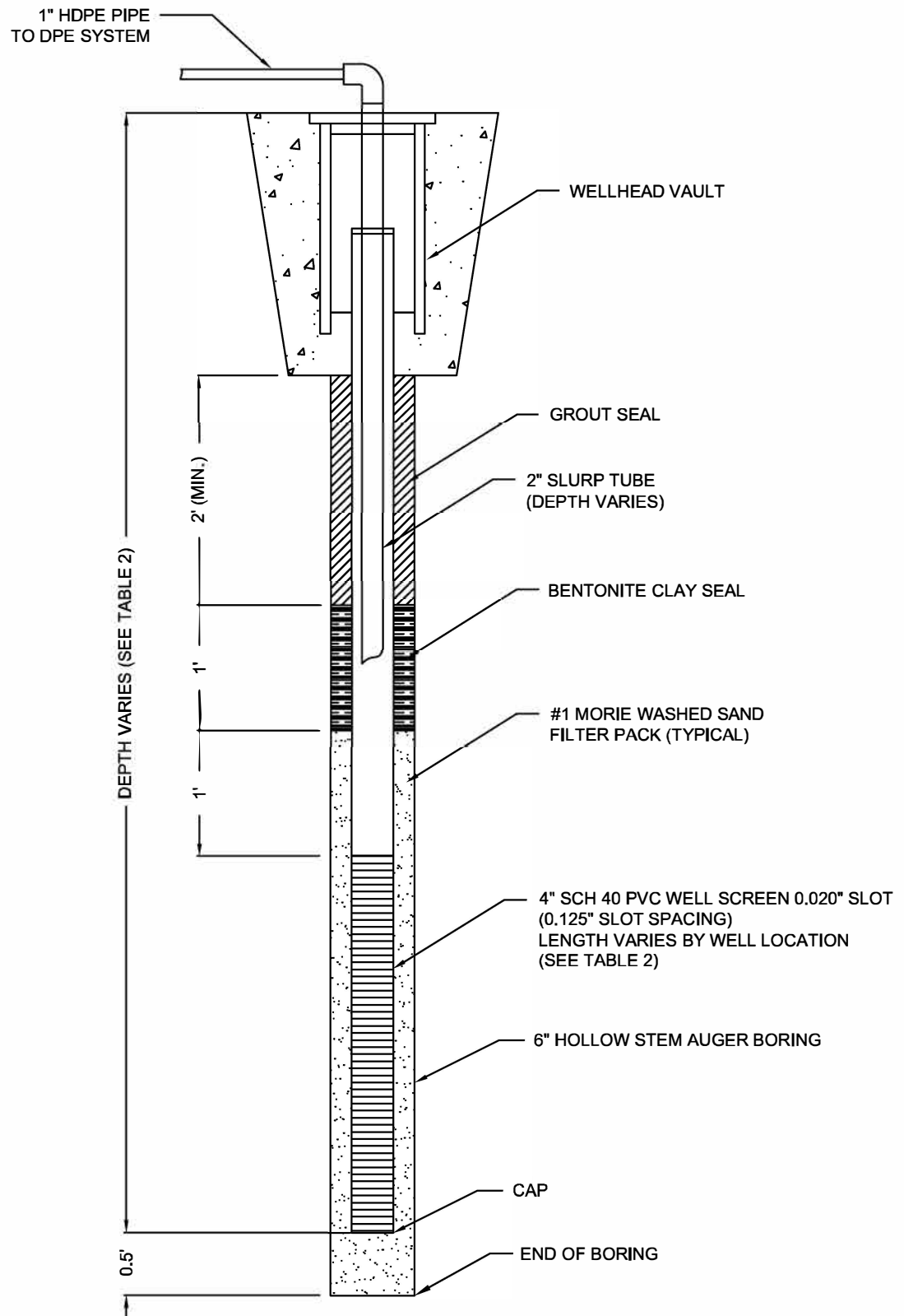


FIGURE 4
TYPICAL DUAL PHASE EXTRACTION RECOVERY
WELL CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

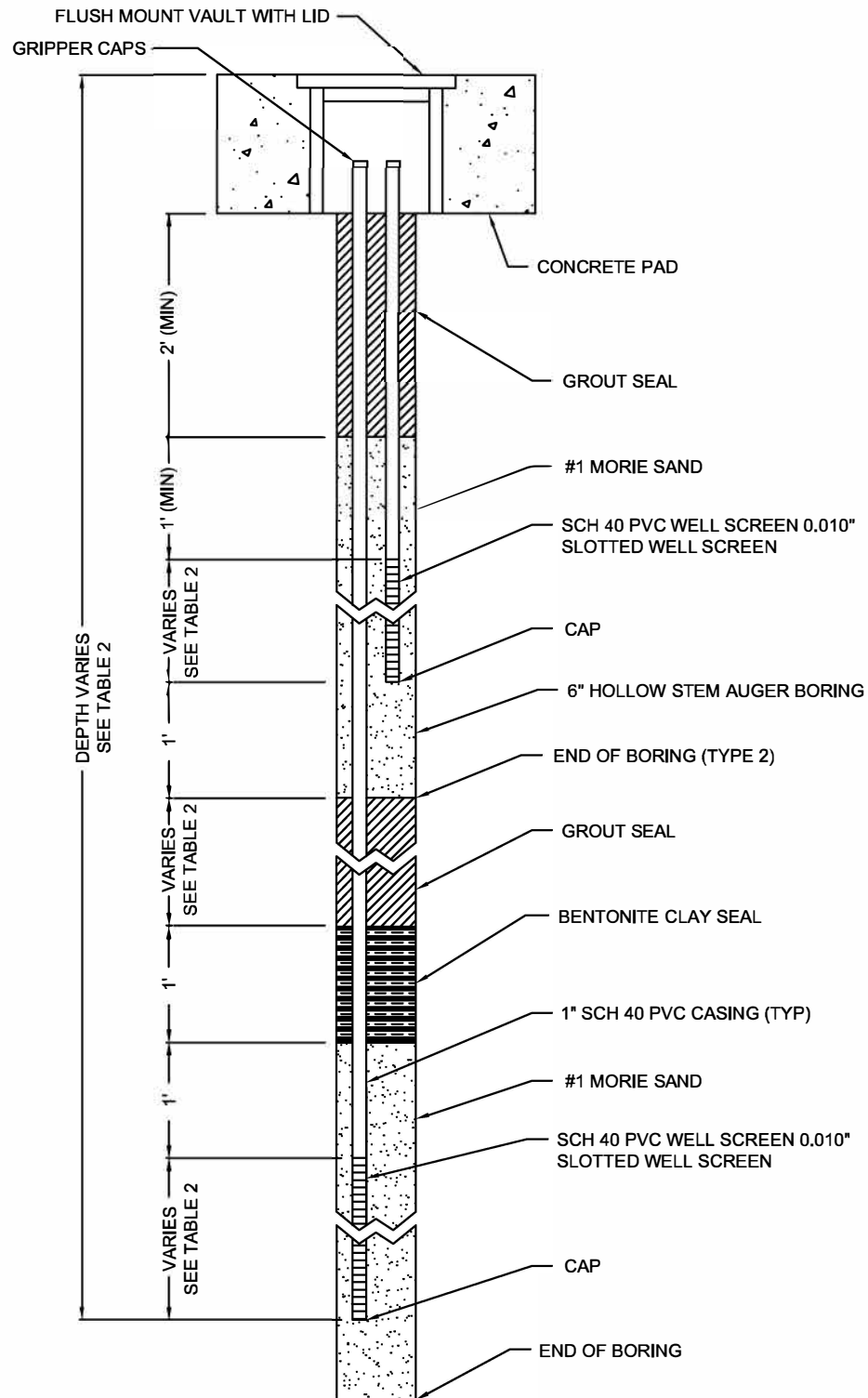
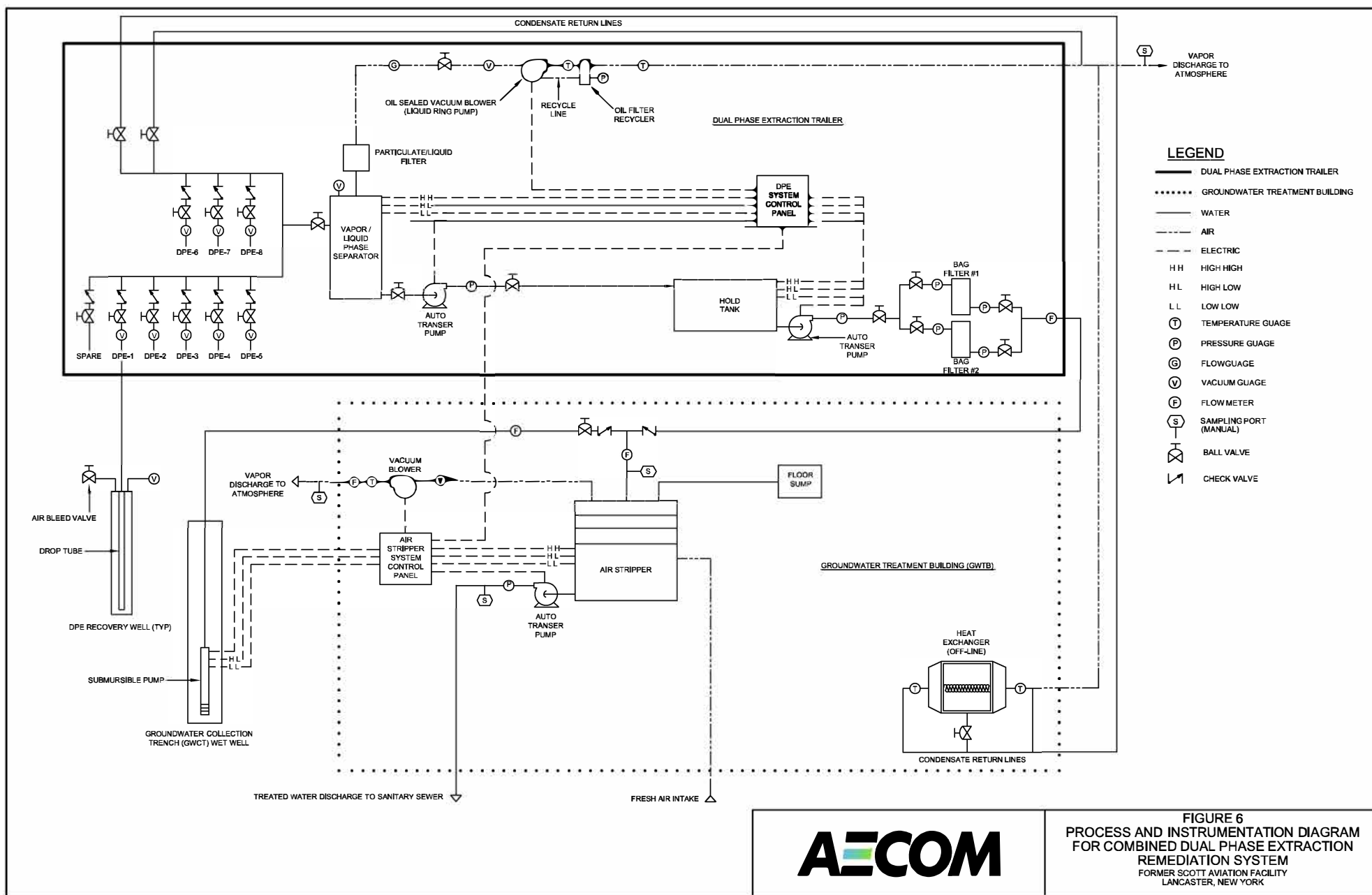


FIGURE 5
TYPICAL NESTED PIEZOMETER
CONSTRUCTION DIAGRAM

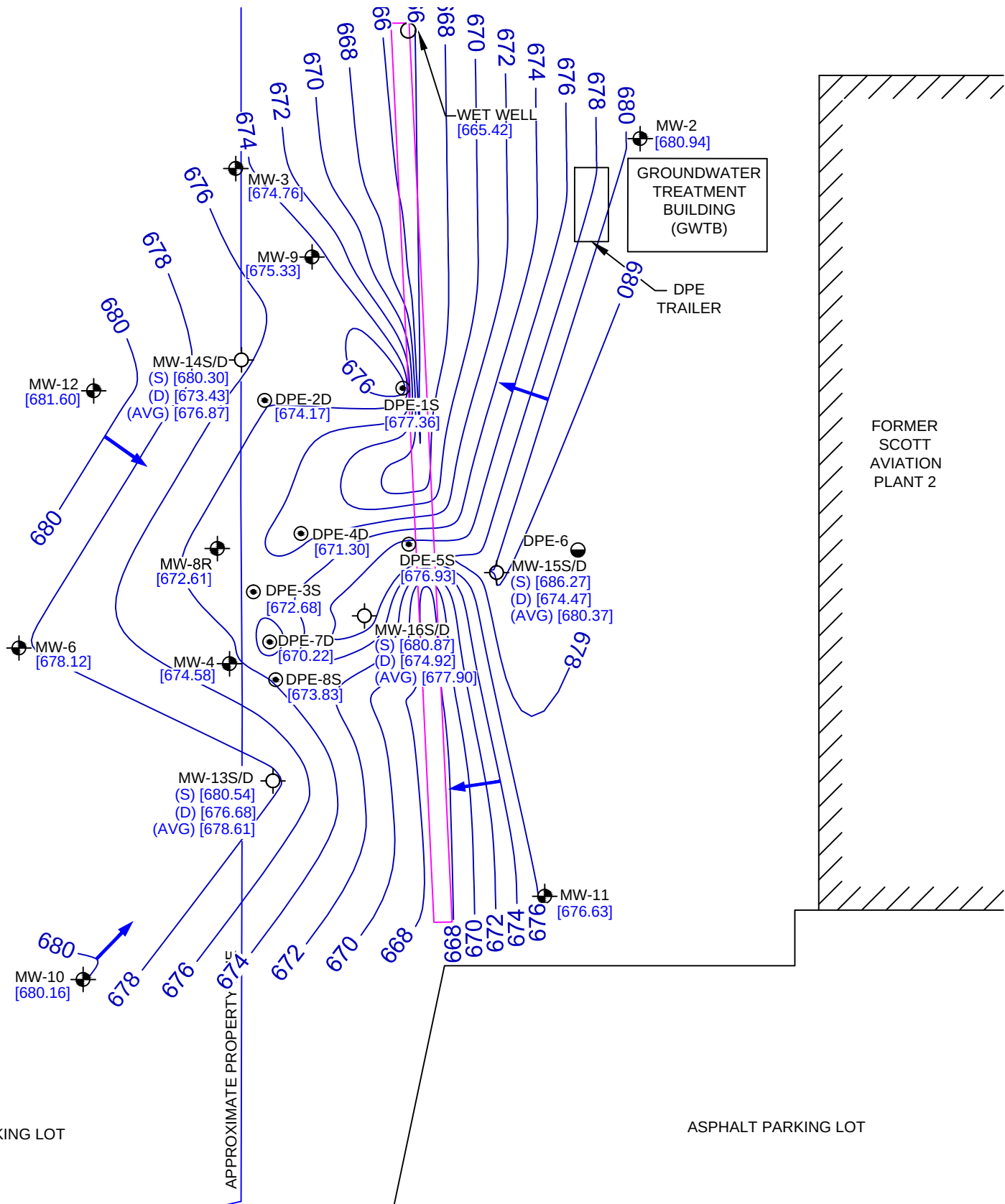
FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK



Quarterly Groundwater Monitoring Water Level Data - April 18, 2017
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	6.06	680.94
MW-3	687.05	12.29	674.76
MW-4	686.50	11.92	674.58
MW-6	686.46	8.34	678.12
MW-8R	686.29	13.68	672.61
MW-9	689.57	14.24	675.33
MW-10	687.70	7.54	680.16
MW-11	688.61	11.98	676.63
MW-12	686.19	4.59	681.60
Nested Piezometers			
MW-13S	686.65	6.11	680.54
MW-13D	686.78	10.10	676.68
MW-14S	685.74	5.44	680.30
MW-14D	685.88	12.45	673.43
MW-15S	687.17	0.90	686.27
MW-15D	687.87	13.40	674.47
MW-16S	688.15	7.28	680.87
MW-16D	688.16	13.24	674.92
Remedial System			
GWCT Manhole (rim)	687.22	21.80	665.42
DPE Wells			
DPE-1	687.17	9.81	677.36
DPE-2	685.32	11.15	674.17
DPE-3	685.98	13.30	672.68
DPE-4	686.00	14.70	671.30
DPE-5	686.91	9.98	676.93
DPE-7	685.92	15.70	670.22
DPE-8	686.03	12.20	673.83

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
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)
- [680.16] 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

NOTES

- 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.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 18, 2017.

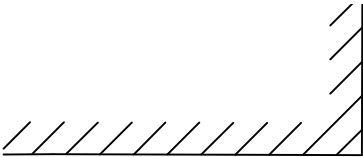


FIGURE 7
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2017
AVERAGE OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

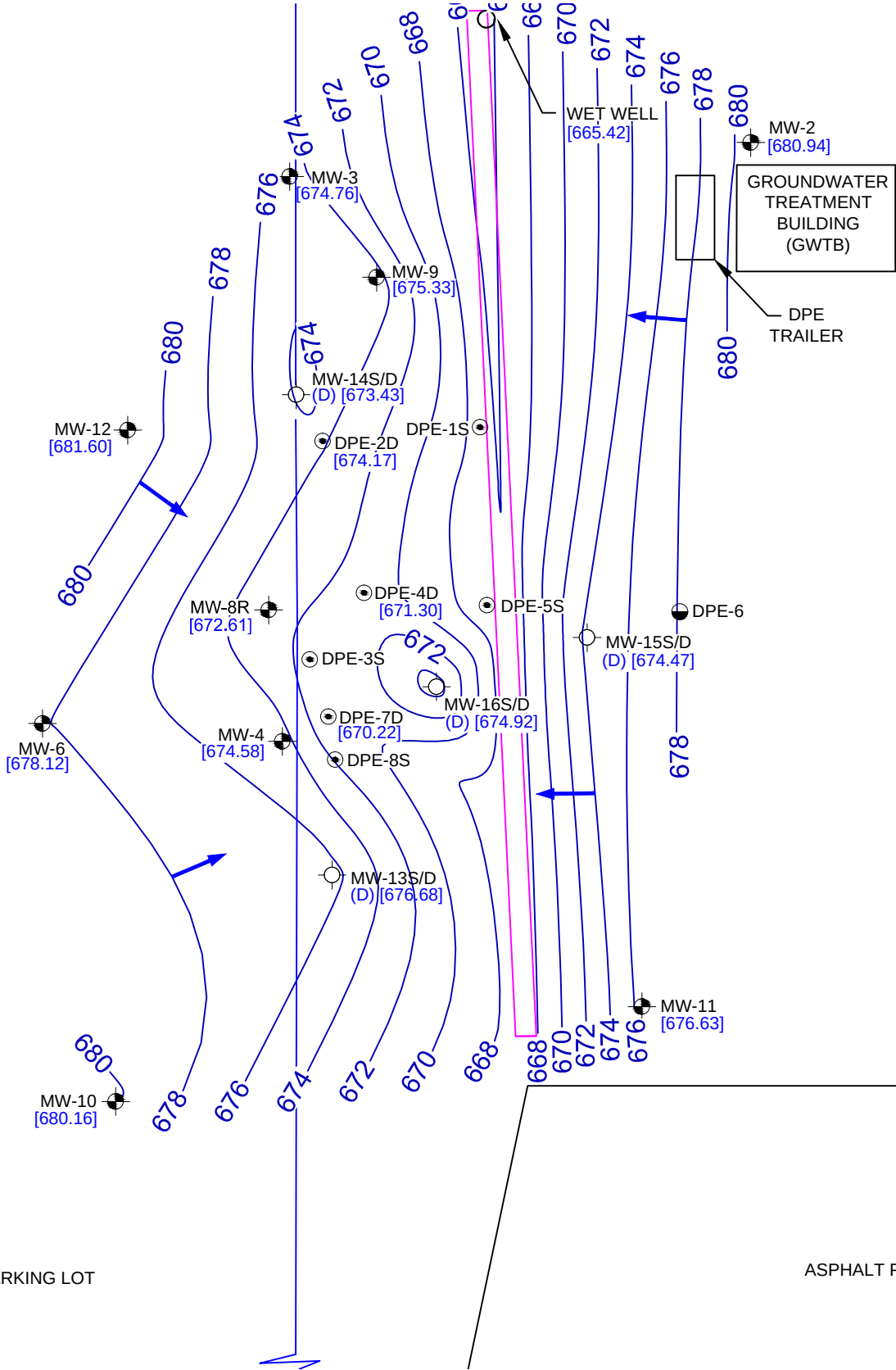
Quarterly Groundwater Monitoring Water Level Data - April 18, 2017
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

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	6.06	680.94
MW-3	687.05	12.29	674.76
MW-4	686.50	11.92	674.58
MW-6	686.46	8.34	678.12
MW-8R	686.29	13.68	672.61
MW-9	689.57	14.24	675.33
MW-10	687.70	7.54	680.16
MW-11	688.61	11.98	676.63
MW-12	686.19	4.59	681.60
Nested Piezometers			
MW-13S	686.65	6.11	680.54
MW-13D	686.78	10.10	676.68
MW-14S	685.74	5.44	680.30
MW-14D	685.88	12.45	673.43
MW-15S	687.17	0.90	686.27
MW-15D	687.87	13.40	674.47
MW-16S	688.15	7.28	680.87
MW-16D	688.16	13.24	674.92
Remedial System			
GWCT Manhole (rim)	687.22	21.80	665.42
DPE Wells			
DPE-1	687.17	9.81	677.36
DPE-2	685.32	11.15	674.17
DPE-3	685.98	13.30	672.68
DPE-4	686.00	14.70	671.30
DPE-5	686.91	9.98	676.93
DPE-7	685.92	15.70	670.22
DPE-8	686.03	12.20	673.83

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
Locations re-surveyed on February 23, 2016



GRAVEL PARKING LOT



FORMER
SCOTT
AVIATION
PLANT 2

ASPHALT PARKING LOT

LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [680.16] 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

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 18, 2017.



FIGURE 8
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2017
DEEP OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

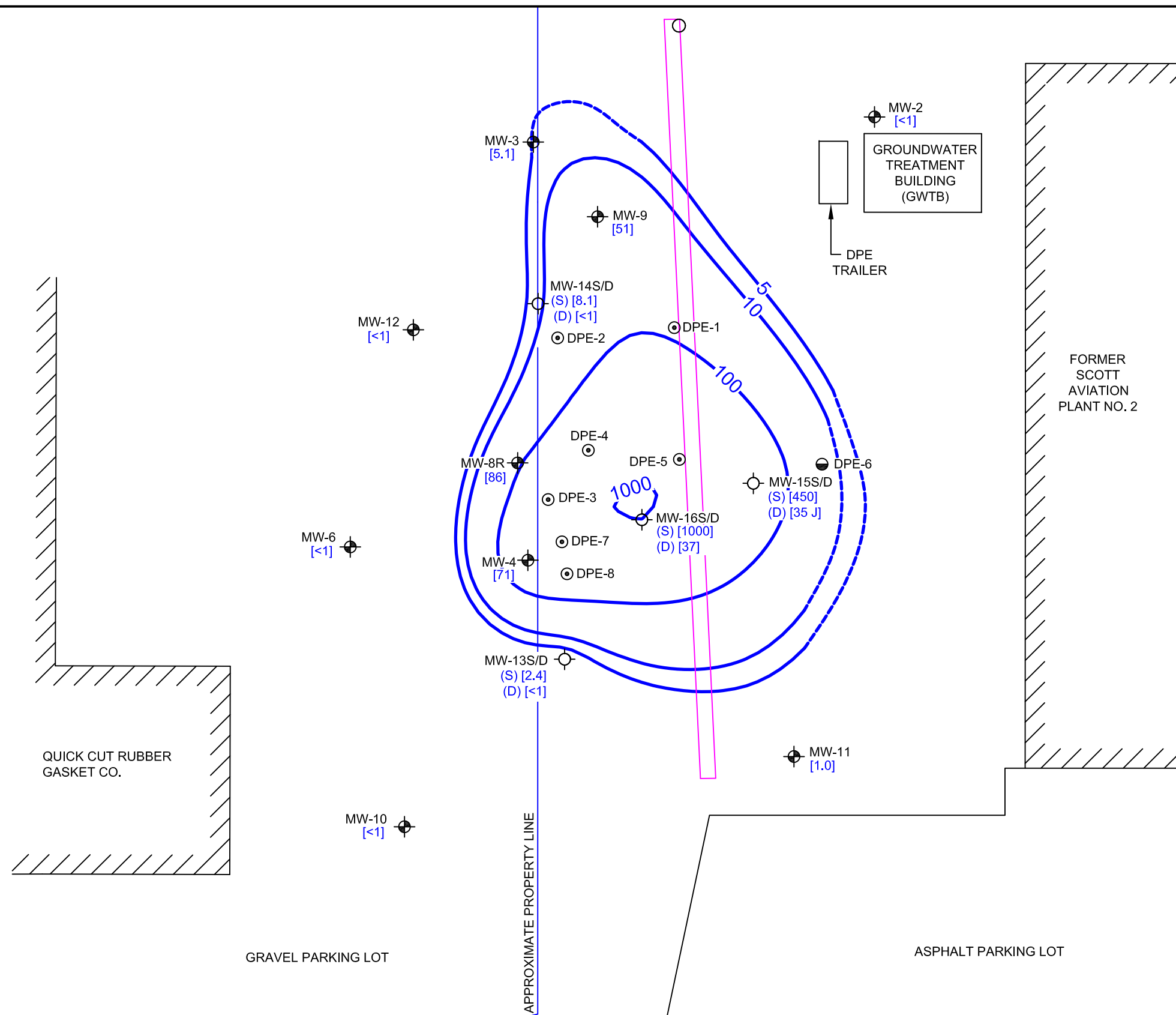


FIGURE 9
1,1-DICHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2017
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

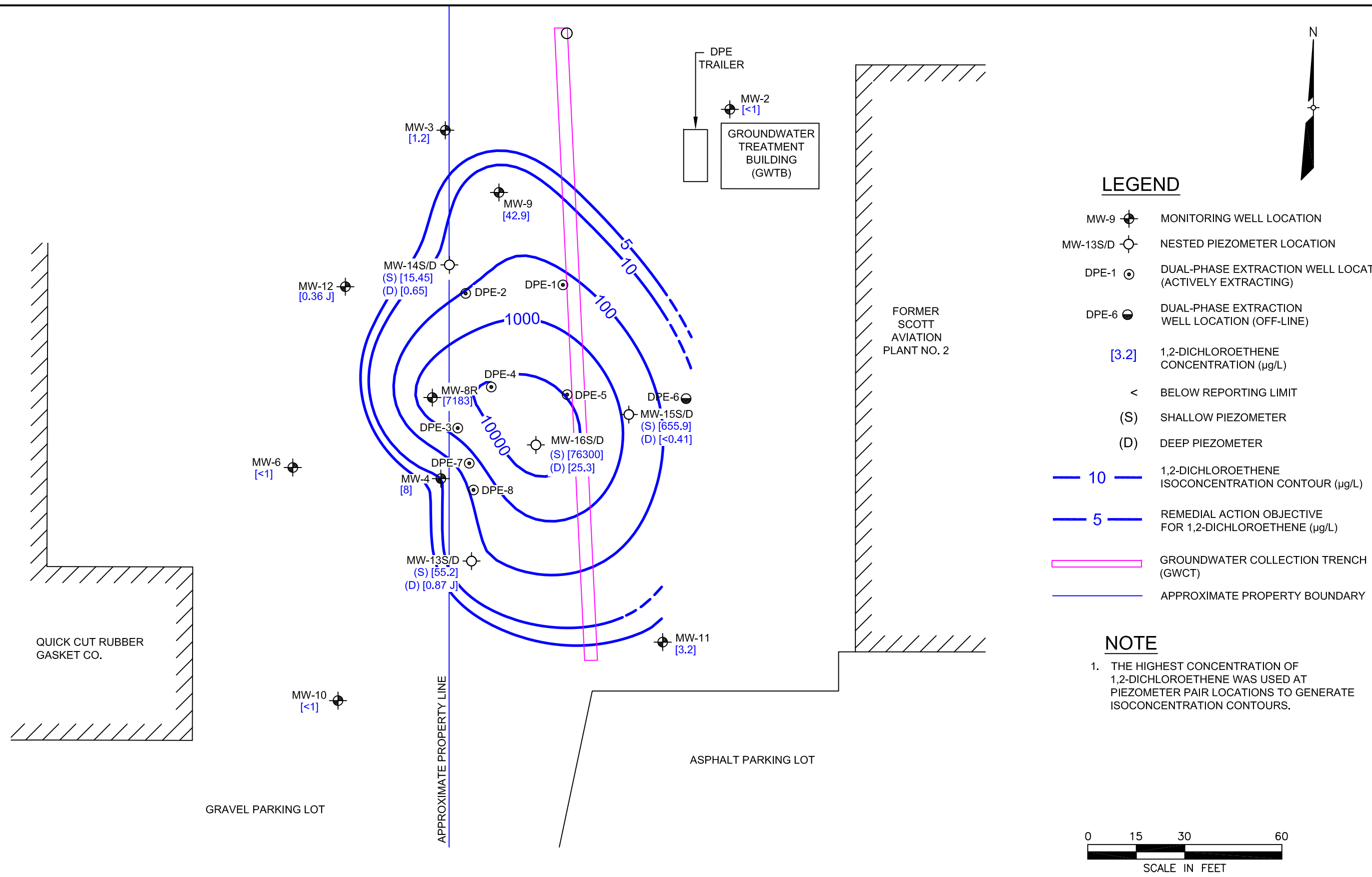
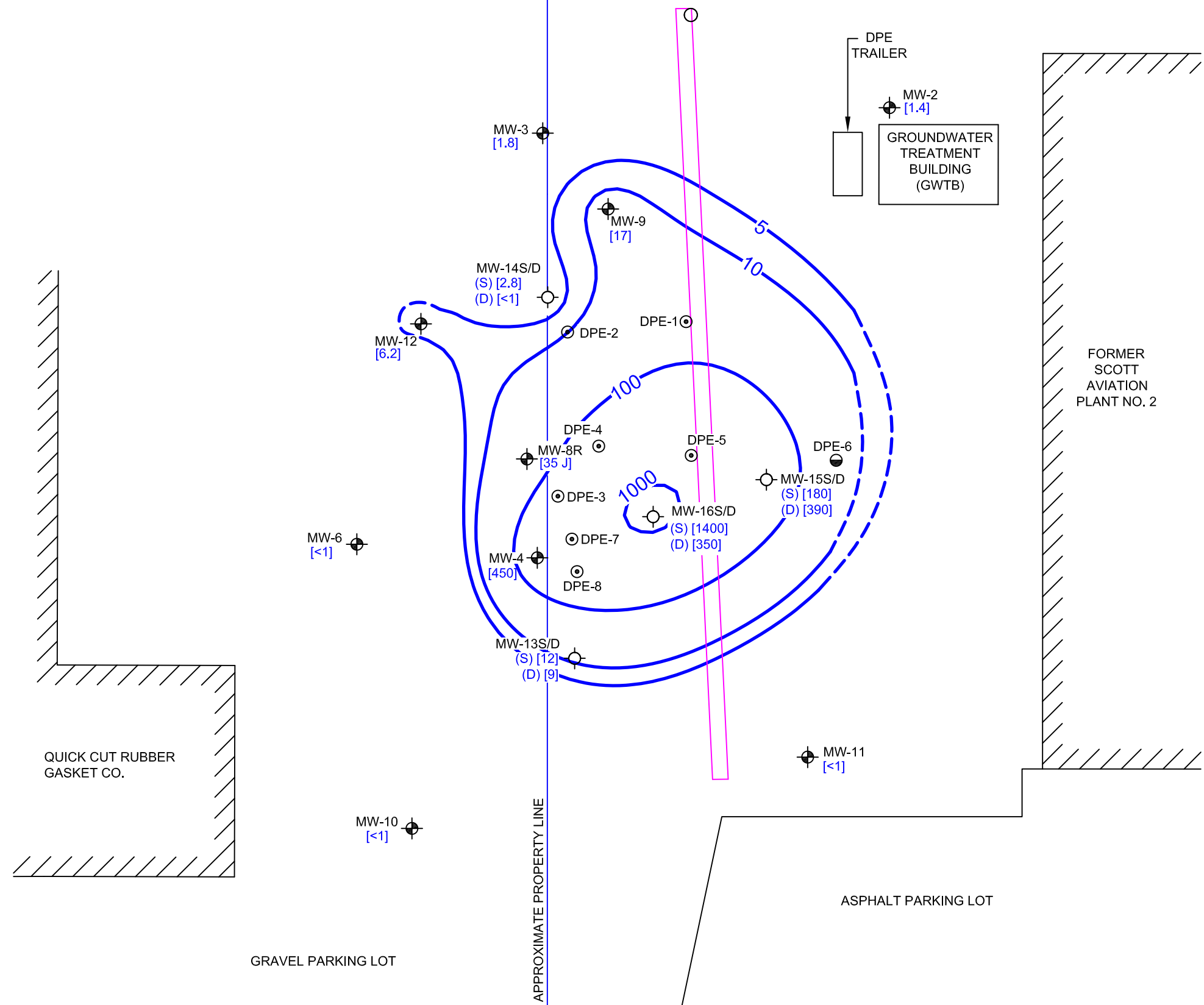


FIGURE 10
1,2-DICHLOROETHENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2017
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

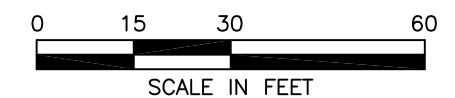


LEGEND

- 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)
- [35] CHLOROETHANE CONCENTRATION ($\mu\text{g/L}$)
- 100 — CHLOROETHANE ISOCONCENTRATION CONTOUR ($\mu\text{g/L}$) (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

NOTE

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



AECOM

FIGURE 11
CHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2017
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

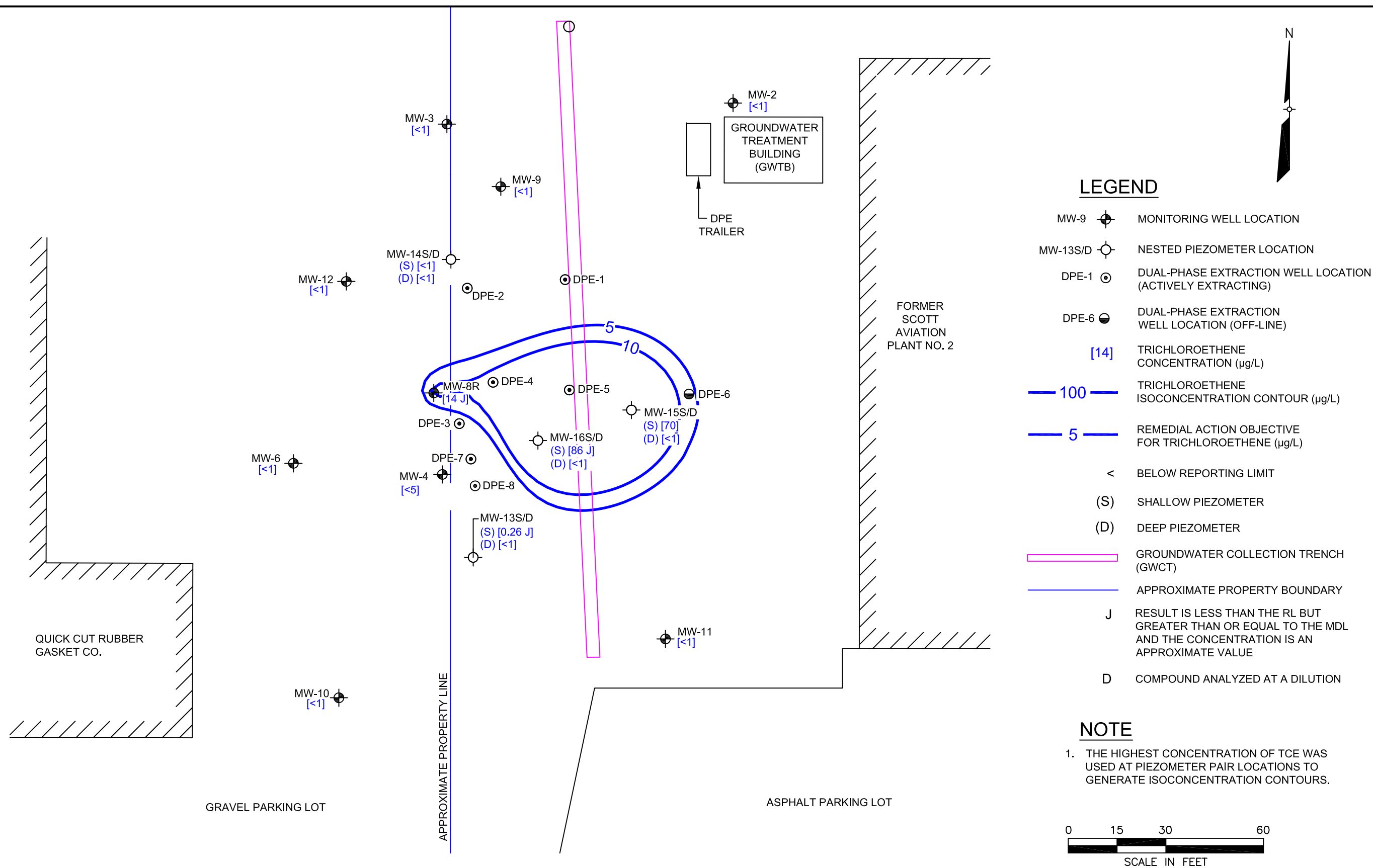
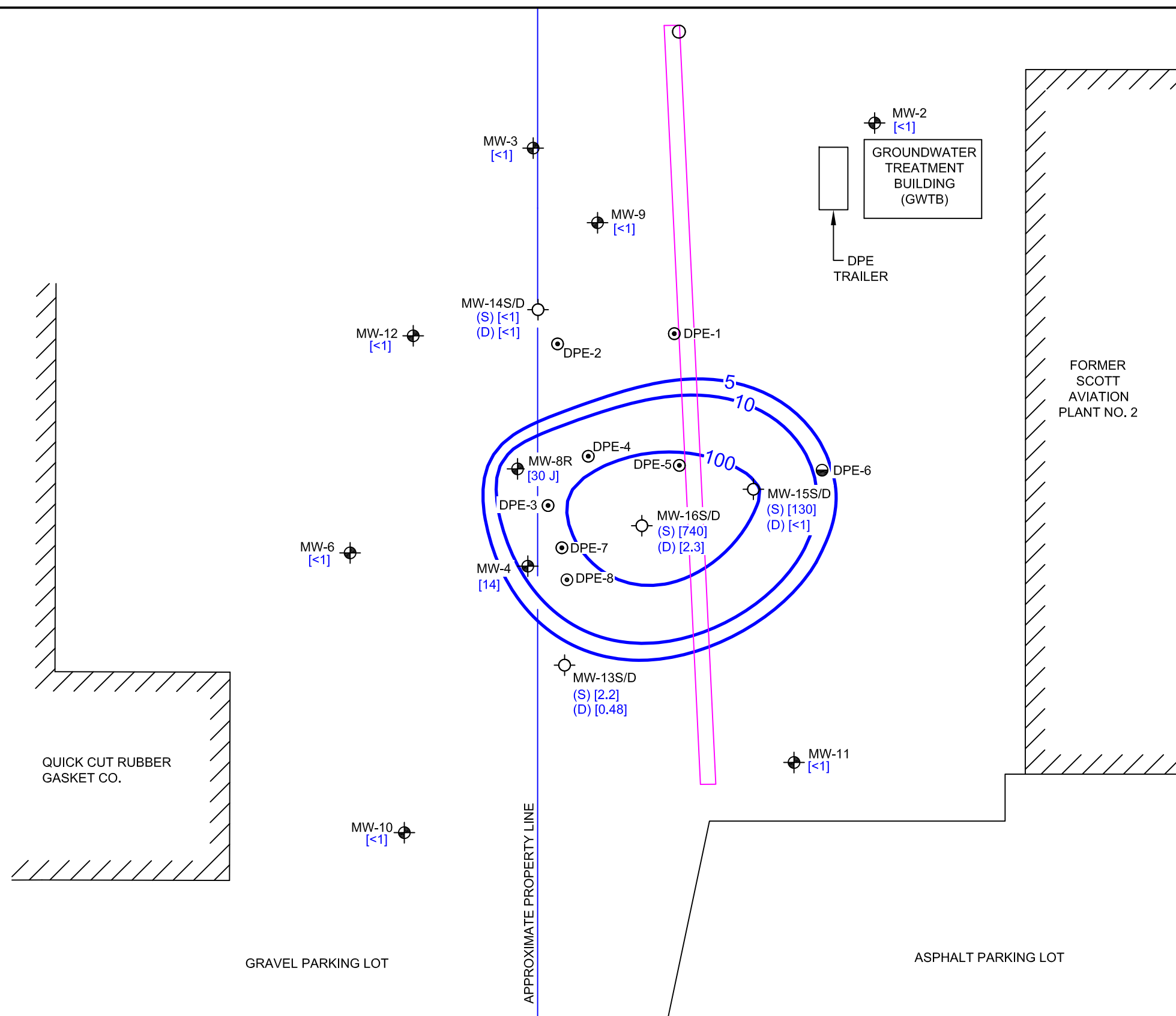


FIGURE 12
TRICHLOROETHENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2017
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

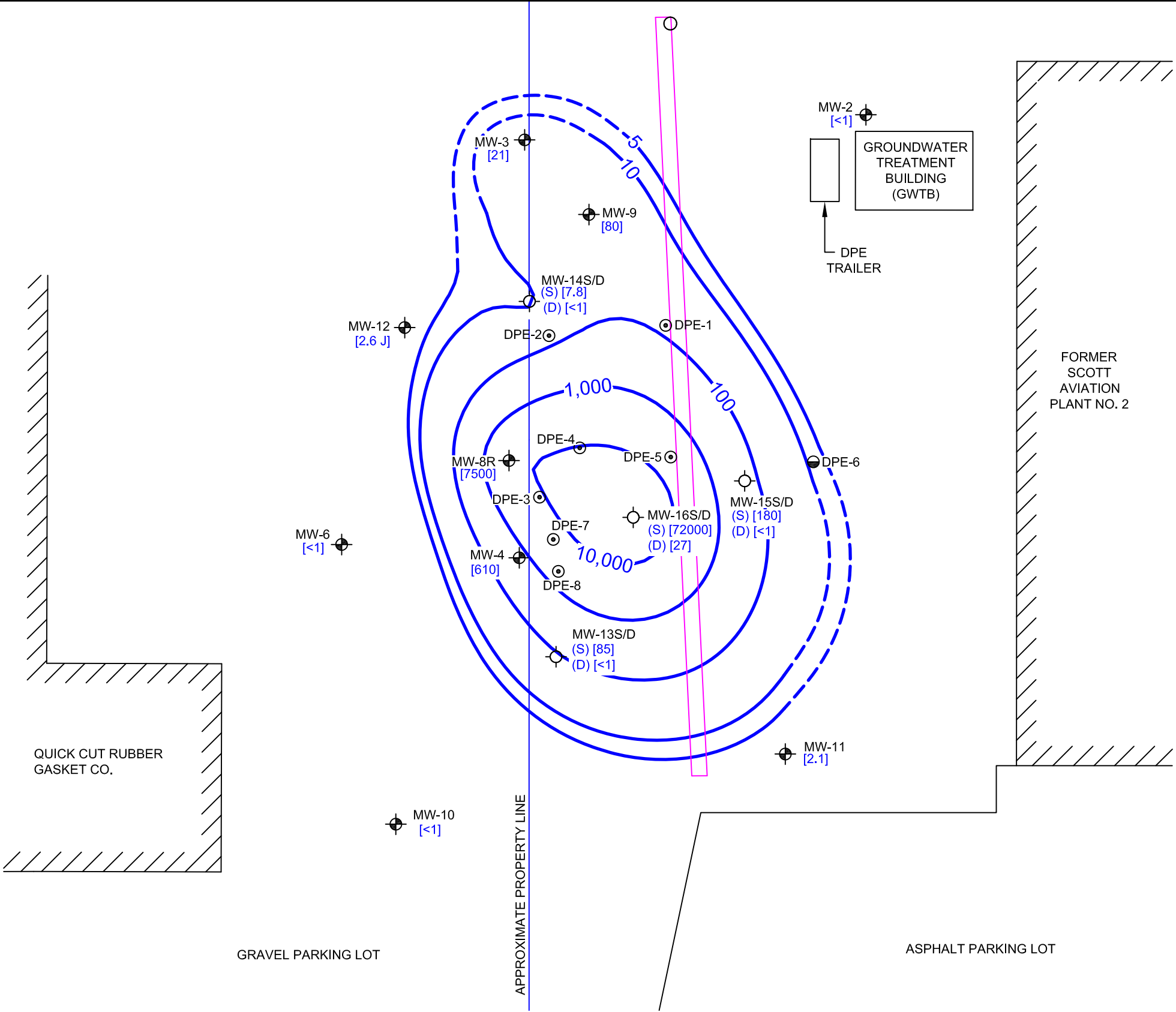
- MW-9 MONITORING WELL LOCATION
- MW-13S/D NESTED PIEZOMETER LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [30] TOLUENE CONCENTRATION (µg/L)
- < BELOW REPORTING LIMIT
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTE

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



FIGURE 13
TOLUENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2017
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)

[7.8]

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

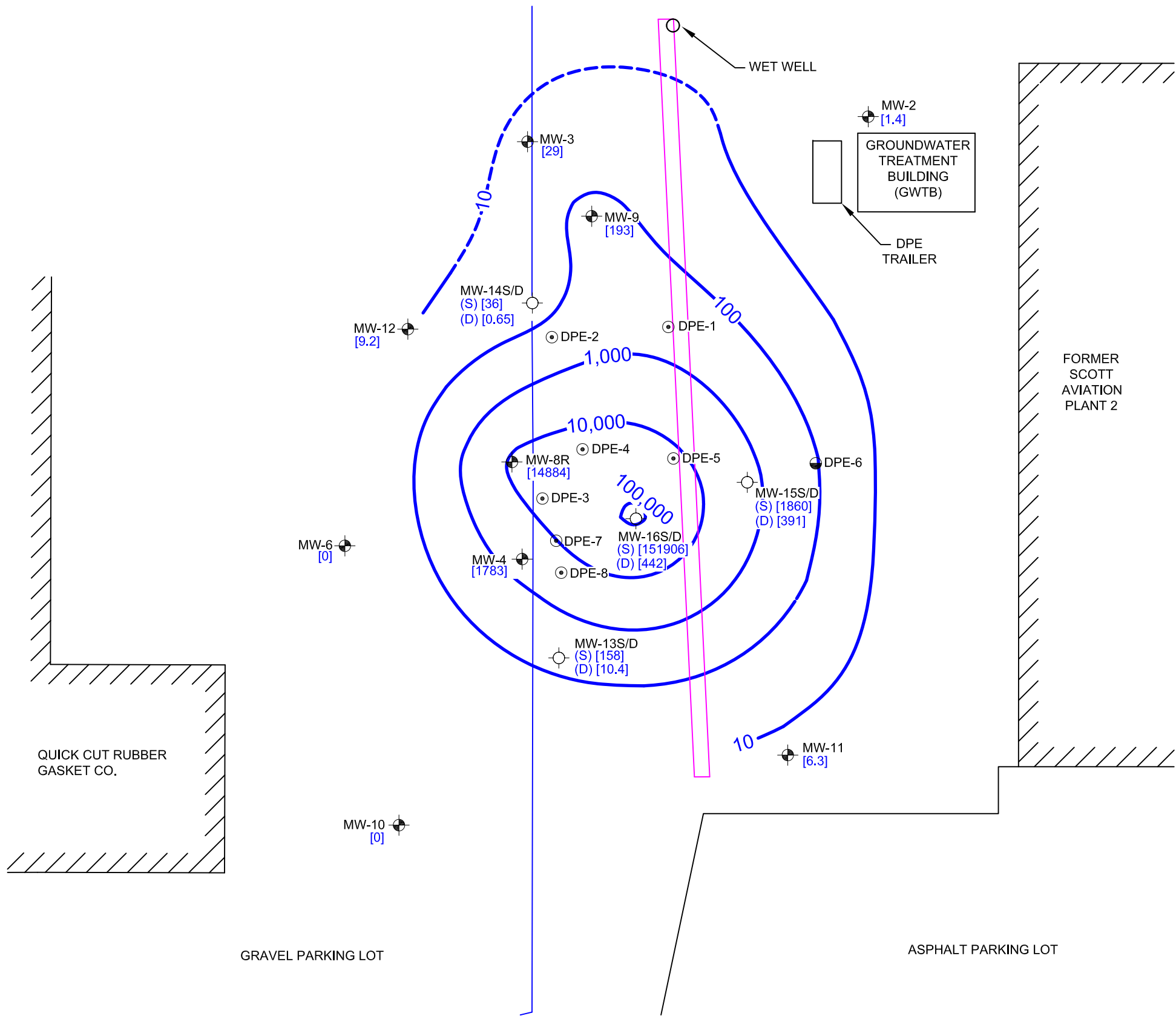
COMPOUND ANALYZED AT A DILUTION

NOTE

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



FIGURE 14
VINYL CHLORIDE ISOCONCENTRATION
CONTOUR MAP
APRIL 2017
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



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)

[3.1]

TOTAL VOC CONCENTRATION (µg/L)

10

TOTAL VOC CONTOUR (DASHED WHERE INFERRED)

(S)

SHALLOW PIEZOMETER

(D)

DEEP PIEZOMETER

GROUNDWATER COLLECTION TRENCH (GWCT)

APPROXIMATE PROPERTY BOUNDARY

NOTE

1. TOTAL VOC FROM THE SHALLOW PIEZOMETER PAIR LOCATIONS (i.e. MW-13D, MW-14D, MW-15D, MW-16D) WERE USED TO CREATE THE TOTAL VOC CONTOURS.



FIGURE 15
TOTAL VOLATILE ORGANIC COMPOUNDS IN
ISOCONCENTRATION CONTOUR MAP
APRIL 2017
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	Well Diameter (inches)	Bottom of Boring (ft bgs)	Screen Length (feet)	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
MW-2	05/24/91	2.0	15.0	10	5.0 - 15.0	4.0 - 15.0	1.0 - 4.0
MW-3	05/19/91	2.0	26.0	15	11.0 - 26.0	9.0 - 26.0	5.0 - 9.0
MW-4	05/23/91	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
MW-6	03/17/04	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
MW-8R	02/17/04	2.0	28.0	10	14.0 - 24.0	13.0 - 24.5	12.0 - 13.0
MW-9	04/11/99	2.0	25.4	20	5.4 - 25.4	4.0 - 25.4	2.0 - 4.0
MW-10	04/11/99	2.0	24.4	20	4.4 - 24.4	3.0 - 4.4	1.0 - 3.0
MW-11	03/01/04	2.0	29.0	20	8.5 - 28.5	7.5 - 29.0	6.5 - 7.5
MW-12	03/17/04	2.0	27.5	20	7.0 - 27.0	6.0 - 27.5	5.0 - 6.0
Nested Piezometers							
MW-13S	03/03/04	1.0	24.0	8	8.5 - 16.5	7.5 - 17.0	6.5 - 7.5
MW-13D	03/03/04	1.0	24.0	4	19.5 - 23.5	19.0 - 24.0	17.0 - 19.0
MW-14S	03/04/05	1.0	24.0	8	8.5 - 16.5	7.5 - 16.75	6.5 - 7.5
MW-14D	03/04/05	1.0	24.0	5	18.5 - 23.5	18.25 - 24.0	16.75 - 18.25
MW-15S	03/02/05	1.0	28.0	6	12.0 - 18.0	11.0 - 12.0	10.0 - 11.0
MW-15D	03/02/05	1.0	28.0	4	21.0 - 25.0	20.5 - 28.0	18.5 - 20.5
MW-16S	03/03/05	1.0	24.0	6	12.0 - 18.0	11.0 - 18.25	10.0 - 11.0
MW-16D	03/03/05	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	4.0	18.5	5	13.0 - 18.0	12.0 - 18.5	11.0 - 12.0
DPE-2	02/19/04	4.0	26.0	5	18.5 - 23.5	18.0 - 26.0	17.0 - 18.0
DPE-3	02/18/04	4.0	18.0	8	8.5 - 16.5	8.0 - 18.0	7.0 - 8.0
DPE-4	(3)	2.0	27.7	20	7.7 - 27.7	6.0 - 27.7	4.0 - 6.0
DPE-5	02/16/04	4.0	18.3	6	12.0 - 18.0	11.0 - 18.3	10.0 - 11.0
DPE-6	02/16/04	4.0	18.3	6	12.0 - 18.0	11.0 - 18.3	10.0 - 11.0
DPE-7	02/19/04	4.0	26.0	4	19.5 - 23.5	19.0 - 26.0	18.0 - 19.0
DPE-8	02/18/04	4.0	17.0	8	8.5 - 16.5	8.0 - 17.0	7.0 - 8.0

Notes:

ft bgs - feet below ground surface

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

**Groundwater Monitoring Program - July 2016 through April 2017
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 2016	17	MW-2 MW-8R MW-13D DPE-4 GWCT	MW-3 MW-10 MW-16S DPE-5	MW-4 MW-11 MW-16D DPE-7	MW-6 MW-13S DPE-3 DPE-8
October 2016	17	MW-2 MW-8R MW-13D DPE-4 GWCT	MW-3 MW-10 MW-16S DPE-5	MW-4 MW-11 MW-16D DPE-7	MW-6 MW-13S DPE-3 DPE-8
January 2017	17	MW-2 MW-8R MW-13D DPE-4 GWCT	MW-3 MW-10 MW-16S DPE-5	MW-4 MW-11 MW-16D DPE-7	MW-6 MW-13S DPE-3 DPE-8
Comprehensive Annual Groundwater Monitoring					
April 2017	26	MW-2 MW-8R MW-12 MW-14D MW-16D DPE-3 DPE-8	MW-3 MW-9 MW-13S MW-15S GWCT DPE-4 GWCT	MW-4 MW-10 MW-13D MW-15D DPE-1 DPE-5	MW-6 MW-11 MW-14S MW-16S DPE-2 DPE-7

Table 4

Quarterly Groundwater Monitoring Water Level Data - April 18, 2017
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	6.06	680.94
MW-3	687.05	12.29	674.76
MW-4	686.50	11.92	674.58
MW-6	686.46	8.34	678.12
MW-8R	686.29	13.68	672.61
MW-9	689.57	14.24	675.33
MW-10	687.70	7.54	680.16
MW-11	688.61	11.98	676.63
MW-12	686.19	4.59	681.60
Nested Piezometers			
MW-13S	686.65	6.11	680.54
MW-13D	686.78	10.10	676.68
MW-14S	685.74	5.44	680.30
MW-14D	685.88	12.45	673.43
MW-15S	687.17	0.90	686.27
MW-15D	687.87	13.40	674.47
MW-16S	688.15	7.28	680.87
MW-16D	688.16	13.24	674.92
Remedial System			
GWCT Manhole (rim)	687.22	21.80	665.42
DPE Wells			
DPE-1	687.17	9.81	677.36
DPE-2	685.32	11.15	674.17
DPE-3	685.98	13.30	672.68
DPE-4	686.00	14.70	671.30
DPE-5	686.91	9.98	676.93
DPE-7	685.92	15.70	670.22
DPE-8	686.03	12.20	673.83

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

GWCT - Groundwater Collection Trench

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

Locations re-surveyed on February 23, 2016

Table 5

**Summary of April 2017 Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	MW-2	MW-3	MW-4	MW-6	MW-8R	MW-9	MW-10	MW-11	MW-12
Date Collected	RAO/NYCRR	04/20/17	04/20/17	04/18/17	04/19/17	04/18/17	04/20/17	04/19/17	04/18/17	04/18/17
Lab Sample ID	Objective	480-116720-1	480-116720-2	480-116720-3	480-116720-4	480-116720-13	480-116720-24	480-116720-5	480-116720-6	480-116720-7
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1,1-Trichloroethane	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 50 U	0.6 J	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	5*	< 1.0 U	5.1	71	< 1.0 U	86	51	< 1.0 U	1.0	< 1.0 U
1,1-Dichloroethene	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	36 J	0.34 J	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	0.6	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 50 U	1.4	< 1.0 U	< 1.0 U	< 1.0 U
2-Butanone (MEK)	50	< 10 U	< 10 U	380	< 10 U	< 500 U	< 10.0 U	< 10 U	< 10 U	< 10 U
Acetone	50	< 10 U	< 10 U	230	< 10 U	< 500 U	< 10.0 U	< 10 U	< 10 U	< 10 U
Benzene	1	< 1.0 U	< 1.0 U	3.1 J	< 1.0 U	< 50 U	< 1.0 U	< 1.0 U	< 1.0 U	0.6 J
Carbon Disulfate	60	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	1.4	1.8	450	< 1.0 U	35 J	17	< 1.0 U	< 1.0 U	6.2
cis-1,2-Dichloroethene	5*	< 1.0 U	1.2	8.0	< 1.0 U	7,100	41	< 1.0 U	3.2	0.36 J
Toluene	5*	< 1.0 U	< 1.0 U	14	< 1.0 U	30 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	5*	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	14 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	17	< 1.0 U	83	1.9	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	21	610	< 1.0 U	7,500	80	< 1.0 U	2.1	2.6 J
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 10 U	< 2.0 U	< 100 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	1.4	29	1,783	0	14,884	193	0	6.3	9.2

Table 5

**Summary of April 2017 Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	MW-13D	MW-13S	MW-14D	MW-14S	MW-15D	MW-15S	MW-16D	MW-16S
Date Collected	RAO/NYCRR	04/19/17	04/19/17	04/18/17	04/18/17	04/19/17	04/19/17	04/19/17	04/20/17
Lab Sample ID	Objective	480-116720-14	480-116720-12	480-116720-26	480-116720-25	480-116720-28	480-116720-27	480-116720-11	480-116720-8
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1,1-Trichloroethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 200 U
1,1-Dichloroethane	5*	< 1.0 U	2.4	< 1.0 U	8.1	0.35 J	450	37	1,000
1,1-Dichloroethene	5	< 1.0 U	0.48 J	< 1.0 U	0.69 J	< 1.0 U	< 5.0 U	< 1.0 U	380
1,2-Dichloroethane	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 200 U
2-Butanone (MEK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U	< 2,000 U
Acetone	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	160	< 10 U	< 2,000 U
Benzene	1	< 1.0 U	< 1.0 U	< 1.0 U	0.94 J	< 1.0 U	2.9 J	< 1.0 U	< 200 U
Carbon Disulfate	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.4 J	< 1.0 U	< 200 U
Chloroethane	5*	9.0	12	< 1.0 U	2.8	390	180	350	1,400
cis-1,2-Dichloroethene	5*	0.87 J	54	0.65	15	< 1.0 U	650	24	75,000
Toluene	5*	0.48	2.2	< 1.0 U	< 1.0 U	< 1.0 U	130	2.3	740
Trichloroethene	5*	< 1.0 U	0.26 J	< 1.0 U	< 1.0 U	< 1.0 U	70	< 1.0 U	86 J
trans-1,2-Dichloroethene	5	< 1.0 U	1.2	< 1.0 U	0.45 J	0.41 J	5.9	1.3	1,300
Vinyl chloride	5*	< 1.0 U	85	< 1.0 U	7.8	< 1.0 U	180	27	72,000
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	29	< 2.0 U	< 400 U
Total Volatile Organic Compounds	NA	10.4	158	0.65	36	391	1,860	442	151,906

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 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.

NA - Not applicable

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
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	1.3	0.7	< 1.0 U	0.4 J	< 1.0 U	< 1.0 U	< 1.0 U	0.74 J
2-Butanone (MEK)	50	2.4 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U
Acetone	50	7.0 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U
Benzene	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	< 1.0 U	< 1.0 U	62	44	70	34	45	26
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
Methylene Chloride	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
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
Trichloroethene	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	12.8	0.7	63.0	44.4	70.0	34.0	45.0	27.5

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
Volatile Organic Compounds by Method 8260 (µg/L)							
1,1,1-Trichloroethane	5*	10 U	20 U	10 U	5 U	20 U	7.7
1,1-Dichloroethane	5*	69	130	10 U	21	20	5 U
1,1-Dichloroethene	5	10 U	20 U	10 U	5 U	20 U	5 U
1,2-Dichloroethane	0.6	10 U	20 U	10 U	1.1 J	20 U	5 U
2-Butanone (MEK)	50	140	200 U	100 U	24 J	200 U	50 U
2-Hexanone	50	100 U	200 U	100 U	50 U	200 U	50 U
Acetone	50	310	200 U	100 U	64	65 J	50 U
Benzene	1	10 U	20 U	10 U	5 U	20 U	5 U
Carbon Disulfide	60	10 U	20 U	10 U	5 U	20 U	5 U
Chloroethane	5*	15	20 U	10 U	9.2	15 J	24
Chloromethane	5	10 U	18 J	10 U	5 U	20 U	5 U
cis-1,2-Dichloroethene	5*	71	130	10 U	25	16 J	12
Methylene Chloride	5	10 U	20 U	10 U	4.3 J	20 U	5 U
Toluene	5*	18	29	10 U	5.7	20 U	3.8 J
trans-1,2-Dichloroethene	5	10 U	20 U	10 U	5 U	20 U	5 U
Trichloroethene	5*	23	18 J	10 U	4.7 J	20 U	1.3 J
Vinyl chloride	5*	15	31	10 U	6.8	20 U	5 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

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* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

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-2 04/17/14 480-58303-6	DPE-2 04/06/16 480-97989-11	DPE-2 07/06/16 480-102662-8	DPE-2 01/16/17 480-112334-11	DPE-2 04/18/17 480-116720-18
Volatile Organic Compounds by Method 8260 (µg/L)						
1,1,1-Trichloroethane	5*	5 U	5 U	5 U	1 U	5 U
1,1-Dichloroethane	5*	4.4	5 U	5 U	1 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	1 U	5 U
1,2-Dichloroethane	0.6	5 U	5 U	5 U	1 U	5 U
2-Butanone (MEK)	50	50 U	50 U	50 U	3.2 J	50 U
2-Hexanone	50	50 U	50 U	50 U	10.0 U	50 U
Acetone	50	50 U	50 U	50 U	10 U	50 U
Benzene	1	5 U	5 U	5 U	1 U	5 U
Carbon Disulfide	60	5 U	5 U	5 U	1 U	5 U
Chloroethane	5*	5 U	5 U	5 U	2.5	3.5 J
Chloromethane	5	5 U	5 U	5 U	1 U	5 U
cis-1,2-Dichloroethene	5*	240	5 U	5 U	1 U	2.4 J
Methylene Chloride	5	5 U	5 U	5 U	0.51 J	5 U
Toluene	5*	5 U	5 U	5 U	1 U	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	1 U	5 U
Trichloroethene	5*	5.9	5 U	5 U	1 U	5 U
Vinyl chloride	5*	54	5 U	5 U	1 U	5 U

Notes:

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* Site-specific RAO per ROD (November 1994)

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U - Not detected at or above reporting limit.

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
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1,1-Trichloroethane	5*	43	10 U	20 U	5 U	10 U	5 U	20 U	5.4
1,1-Dichloroethane	5*	42	24	20 U	5 U	10 U	5 U	20 U	14
1,1-Dichloroethene	5	26	3.1 J	20 U	5 U	10 U	5 U	20 U	20
1,2-Dichloroethane	0.6	10 U	10 U	20 U	5 U	10 U	5 U	20 U	1 U
2-Butanone (MEK)	50	50 U	610	220	50 U	100 U	50 U	200 U	10
2-Hexanone	50	50 U	10 U	20 U	50 U	100 U	50 U	200 U	10 U
Acetone	50	50 U	110	110 J	50 U	100 U	50 U	200 U	28
Benzene	1	10 U	10 U	20 U	5 U	10 U	5 U	20 U	1 U
Carbon Disulfide	60	10 U	10 U	20 U	5 U	10 U	5 U	20 U	0.5 J
Chloroethane	5*	10 U	23	20 U	5 U	10 U	5 U	20 U	5.5
Chloromethane	5	10 U	10 U	20 U	5 U	10 U	6	20 U	1 U
cis-1,2-Dichloroethene	5*	2,700	650	70	18	8.7 J	5 U	20 U	4,300
Methylene Chloride	5	10 U	6.1 J	20 U	7.5	10 U	5 U	20 U	1 U
Toluene	5*	8.0 J	8.4 J	20 U	5 U	10 U	5 U	20 U	4.1
trans-1,2-Dichloroethene	5	10 U	10 U	20 U	5 U	10 U	5 U	20 U	68
Trichloroethene	5*	6,500	10 U	20 U	5 U	10 U	3.1 J	20 U	190
Vinyl chloride	5*	120	240	20 U	12	43	10	45	480

Notes:

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* Site-specific RAO per ROD (November 1994)

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

U - Not detected at or above reporting limit.

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-4 04/17/14 480-58303-3	DPE-4 07/24/15 480-84562-17	DPE-4 10/21/15 480-89674-16	DPE-4 07/06/16 480-102662-10	DPE-4 10/27/16 480-108538-5	DPE-4 01/16/17 480-112334-13	DPE-4 04/18/17 480-116720-20
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1,1-Trichloroethane	5*	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U
1,1-Dichloroethane	5*	8.1	130	450	400 U	2.5	100 U	20
1,1-Dichloroethene	5	10 U	30	460	400 U	1.0 U	100 U	17 J
1,2-Dichloroethane	0.6	10 U	2.2 J	100 U	400 U	1.0 U	100 U	20 U
2-Butanone (MEK)	50	50 U	65 J	1,000 U	4,000 U	1.0 U	1,000 U	200 U
2-Hexanone	50	50 U	100 U	1,000 U	4,000 U	1.0 U	1,000 U	200 U
Acetone	50	50 U	46 J	1,000 U	4,000 U	6.9 J	1,000 U	200 U
Benzene	1	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U
Carbon Disulfide	60	10 U	3.4 J	100 U	400 U	2.1	100 U	20 U
Chloroethane	5*	10 U	49	110	400 U	4.6	100 U	8 J
Chloromethane	5	10 U	10 U	230	400 U	1.0 U	100 U	20 U
cis-1,2-Dichloroethene	5*	510	30,000	130,000	25,000	130	4,300	4,400
Methylene Chloride	5	10 U	8.1 J	100 U	260 J	5.7 J	81 J	20 U
Toluene	5*	10 U	28	140	400 U	1.0 U	100 U	7 J
trans-1,2-Dichloroethene	5	10 U	36	100 U	400 U	1.0 U	100 U	76
Trichloroethene	5*	630	93	120	400	1.4	100 U	120
Vinyl chloride	5*	31	4,700	37,000	12,000	44	1,100	1,400

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.

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-5 04/17/14 480-58303-4	DPE-5 07/24/15 480-84562-18	DPE-5 10/21/15 480-89674-17	DPE-5 07/06/16 480-102662-13	DPE-5 10/27/16 480-108538-6	DPE-5 01/16/17 480-112334-14	DPE-5 04/18/17 480-116720-21
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
1,1-Dichloroethane	5*	160	30	59	17	110	150	44
1,1-Dichloroethene	5	2.9 J	10 U	10 U	10 U	10 U	82	20 U
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U	9.3 J	50 U	20 U
2-Butanone (MEK)	50	26 J	330	660	78 J	100 U	500 U	200 U
2-Hexanone	50	100 U	100 U	100 U	100 U	100 U	500 U	200 U
Acetone	50	120	240	340	120	180	160 J	200 U
Benzene	1	10 U	10 U	10 U	10 U	10 U	50 U	20 U
Carbon Disulfide	60	10 U	10 U	10 U	10 U	10 U	50 U	20 U
Chloroethane	5*	46	51	81	87	120	130	38
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	20 U
cis-1,2-Dichloroethene	5*	320	410	610	120	2,800	33,000	2,000
Methylene Chloride	5	10 U	4.5 J	10 U	10 U	10 U	26 J	20 U
Toluene	5*	30	11	9.2	10 U	12	37 J	7.8 J
trans-1,2-Dichloroethene	5	10 U	11	20	10 U	10 U	10 U	24
Trichloroethene	5*	160	10 U	10 U	10 U	14	250	5.5 J
Vinyl chloride	5*	71	180	170	71	1,600	6,400	570

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.

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
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 U
1,1-Dichloroethane	5*	460	250	390	63	20 U	91	120
1,1-Dichloroethene	5	47 J	12 J	20 U	20 U	20 U	20 U	0.48 J
1,2-Dichloroethane	0.6	10 U	20 U	20 U	20 U	20 U	20 U	0.41 J
2-Butanone (MEK)	50	50 U	150 J	940	530	210	270	280
2-Hexanone	50	50 U	200 U	200 U	200 U	200 U	200 U	10 U
Acetone	50	50 U	1,100	530	230	130 J	140 J	150
Benzene	1	10 U	20 U	20 U	20 U	20 U	20 U	1
Carbon Disulfide	60	10 U	20 U	20 U	20 U	20 U	20 U	1 U
Chloroethane	5*	11	27	260	260	110	530	360
Chloromethane	5	10 U	20 U	20 U	20 U	20 U	20 U	1 U
cis-1,2-Dichloroethene	5*	11,000	820	680	26	27	20 U	67
Methylene Chloride	5	10 U	11 J	20 U	20 U	20 U	12 J	1 U
Toluene	5*	10 U	20 U	20 U	20 U	20 U	20 U	5.8
trans-1,2-Dichloroethene	5	10 U	20 U	20 U	20 U	20 U	20 U	4.1 J
Trichloroethene	5*	1,300	20 U	12 J	20 U	20 U	20 U	0.93 J
Vinyl chloride	5*	580	470	780	300	20 U	50	270

Notes:

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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.

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-8 07/24/15 480-84562-20	DPE-8 10/21/15 480-89674-19	DPE-8 07/07/16 480-102824-5	DPE-8 10/27/16 480-108538-1	DPE-8 01/16/17 480-112334-16	DPE-8 04/18/17 480-116720-24
Volatile Organic Compounds by Method 8260 (µg/L)							
1,1,1-Trichloroethane	5*	57	170	39	21	170	55
1,1-Dichloroethane	5*	140	590	58	22	130	50 U
1,1-Dichloroethene	5	50 U	20	5 U	4.0 J	27 J	50 U
1,2-Dichloroethane	0.6	50 U	20 U	5 U	5 U	40 U	50 U
2-Butanone (MEK)	50	540	260	50 U	50 U	400 U	500 U
2-Hexanone	50	500 U	200 U	50 U	50 U	400 U	500 U
Acetone	50	890	220	50 U	50 U	400 U	500 U
Benzene	1	50 U	20 U	5 U	5 U	40 U	50 U
Carbon Disulfide	60	50 U	11	5 U	5 U	40 U	50 U
Chloroethane	5*	50 U	54	44	12	40 U	50 U
Chloromethane	5		20 U	5 U	5 U	40 U	50 U
cis-1,2-Dichloroethene	5*	1,500	2,300	5 U	850	4,100	4,800
Methylene Chloride	5	23 J	20 U	5 U	5 U	40 U	50 U
Toluene	5*	50 U	20 U	5 U	5 U	40 U	50 U
trans-1,2-Dichloroethene	5	50 U	55	8.1	5 U	40 U	57
Trichloroethene	5*	230	92	5.4	8.4	98	36 J
Vinyl chloride	5*	1,400	1,700	110	140	920	480

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.

Table 8

Vapor Monitoring Results - April 2017
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	Sample ID:	LRP Effluent 2Q17	AS Effluent 2Q17
	Sample Date:	4/13/2017	4/13/2017
VOCs by Method TO-15 (µg/m³)			
1,1-Dichloroethane	26	-	U
1,2-Dichloroethene, Total	2,700	1.6	
1,3-Dichlorobenzene	- U	4.9	
1,2,4-Trimethylbenzene	- U	0.97	
2,2,4-Trimethylpentane	- U	1.5	
Acetone	- U	46	
Benzene	- U	1.3	
Carbon disulfide	- U	2.3	
Chloroethane	- U	14	
Chloromethane	- U	2.8	
Isopropyl Alcohol	- U	17	
m,p-Xylene	- U	2.6	
Methyl Ethyl Ketone	- U	10	
n-Heptane	- U	1.5	
n-Hexane	- U	2.3	
Toluene	- U	3.8	
Trichlorofluoromethane	- U	1.1	
Trichloroethene	120	-	U
Vinyl chloride	840	-	U
Total Detected VOCs (µg/m³)	3,686	114	
Vacuum (inches Hg)	18	5.5	
Air Flow Rate (acfm)	136	190	
VOC discharge loading (lb/hr)	0.00187	0.00008	
Total VOC discharge loading (lb/hr)	0.00195		
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 2016	Influent Fourth Quarter 2016	Influent First Quarter 2017	Influent Second Quarter 2017
VOCs (Method 8260) (µg/L)				
Acetone	ND	11.0	8.3 J	24
Carbon Disulfide	ND	0.41 J	ND	ND
Chloroethane	56	22	9.4	0.85 J
2-Butanone (MEK)	ND	3.1 J	2.6 J	18
cis-1,2-Dichloroethene	ND	8.1	11	12
Methylene Chloride	ND	1.0 J	0.7 J	ND
Total VOCs (µg/L)	56.0	45.6	32.0	54.9
Air Stripper Totalizer Readings (gallons)	6,115,964 (4/4/16)	663,569 (7/4/16)	746,886 (10/24/16)	889,869 (1/16/17)
	6,192,420 (7/4/16)	746,886 (10/24/16)	889,869 (1/16/17)	1,111,284 (4/13/17)
Gallons Processed	76,456	83,317	142,983	221,415
VOCs Removed (pounds)	0.036	0.032	0.038	0.101
Total VOCs Removed (pounds)	0.207			

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 7/4/2016	AS Effluent 10/24/2016	LRP Effluent 10/24/2016	AS Effluent 1/16/2017	LRP Effluent 1/16/2017	AS Effluent 4/13/2017	LRP Effluent 4/13/2017
1,1,1-Trichloroethane	9.1	- U	- U	- U	- U	- U	- U
1,1-Dichloroethane	43	- U	51	2.3	- U	- U	26
1,1-Dichloroethene	12	- U	- U	- U	- U	- U	- U
1,2-Dichloroethene Total	110	3.6	4,400	230	3,000	2	2,700
1,2,4-Trimethylbenzene	- U	2.1	- U	- U	- U	0.97	- U
1,3-Dichlorobenzene	- U	- U	- U	3.4	- U	4.9	- U
2,2,4-Trimethylpentane	- U	- U	- U	- U	- U	1.5 U	- U
Acetone	20	- U	- U	- U	- U	46	- U
Benzene	- U	- U	- U	1.5	- U	1.3	- U
Carbon Disulfide	- U	- U	- U	- U	- U	2.3	- U
Chloroethane	41	7.9	- U	29	- U	14	- U
Chloromethane	- U	1.1	- U	- U	- U	2.8	- U
Cyclohexane	1.4	- U	- U	- U	- U	- U	- U
Dichlorodifluoromethane	- U	- U	- U	- U	- U	- U	- U
Ethylbenzene	- U	0.93	- U	- U	- U	- U	- U
Isopropyl Alcohol	- U	- U	- U	- U	- U	17	- U
Freon TF	10	- U	- U	- U	- U	- U	- U
Methyl Ethyl Ketone	2.4	- U	- U	11	- U	10	- U
n-Heptane	- U	- U	- U	8.3	180	1.5	- U
n-Hexane	- U	1.0	- U	5.7	- U	2.3	- U
Tetrachloroethene	26	- U	- U	- U	- U	- U	- U
Tetrahydrofuran	38	- U	- U	- U	- U	- U	- U
Toluene	5.4	3.4	- U	5.9	- U	3.8	- U
Trichloroethene	6.2	4.1	- U	- U	53	- U	120
Trichlorofluoromethane	- U	1.2	- U	- U	- U	1.1	- U
Vinyl Chloride	3.7	- U	1,600	7.7	760	- U	840
Xylene Total	- U	4.8	- U	- U	- U	2.6	- U
Total Detected VOCs (µg/m ³)	328	30	6,051	305	3,993	114	3,686
Air Flow Rate (acfm)	200	192	200	124	190	190	136
VOC discharge loading (lb/hr)	0.00025	0.00002	0.0045	0.0001	0.0028	0.0001	0.0019
LRP/AS Runtime (hours)	2,184	2,688	1,598	2,016	2,016	2,088	1,555
Total VOC discharge loading (lb)	0.54	0.06	7.24	0.29	5.73	0.17	2.91
Total VOCs removed (lb)							16.9

Notes:

1. µg/m³ = micrograms per cubic meter
2. U = 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

**Groundwater Monitoring Schedule - July 2017 through April 2018
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 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-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
Comprehensive Annual Groundwater Monitoring					
April 2018	25	MW-2	MW-3	MW-4	MW-6
		MW-8R	MW-9	MW-10	MW-11
		MW-12	MW-13S	MW-13D	MW-14S
		MW-14D	MW-15S	MW-15D	MW-16S
		MW-16D	DPE-1	DPE-2	DPE-3
		DPE-4	DPE-5	DPE-7	DPE-8
		GWCT			

Notes:

MW-## - Monitoring Well

MW-##S - Shallow Piezometer

MW-##D - Deep Piezometer

DPE-## - Dual Phase Extraction Well

GWCT - Groundwater Collection Trench

Table 13

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	20	0	0	0	0	Wells: 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
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		23	0	0	0	2	
Subtotal		69	0	0	0	6	
Annual Event - 1 Event							
Primary Samples	aqueous	25	0	0	0	0	Wells: MW-2, MW-3, MW-4, MW-6, MW-8R, MW-9, MW-10, MW-11, MW-12, MW-13S, MW-13D, MW-14S, MW-14D, MW-15S, MW-15D, MW-16S, MW-16D, DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-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		28	0	0	0	2	
Total		109	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 4/2016)

Date: _____ **Weather:** _____

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

DPE Process Room

DPE Wells (indicate vacuum reading if well is in operation)

DPE-1	_____ "Hg	DPE-5	_____ "Hg
DPE-2	_____ "Hg	DPE-6	Off Line Due to Lime
DPE-3	_____ "Hg	DPE-7	_____ "Hg
DPE-4	_____ "Hg	DPE-8	_____ "Hg

Comments: _____

LRP Tank Exhaust Temperature -	_____ °F	Hold Tank Pump Pressure -	_____ PSI
LRP Filter Pressure -	_____ PSI	Bag Filter #1 Inlet Pressure -	_____ PSI
LRP Oil Level -	_____	Bag Filter #1 Outlet Pressure -	_____ PSI
LRP Inlet Vacuum -	_____ "Hg	Bag Filter #2 Inlet Pressure -	_____ PSI
LRP Exhaust Temperature -	_____ °F	Bag Filter #2 Outlet Pressure -	_____ PSI
LRP Flow Rate -	_____ x1000 FPM		
KO Tank Vacuum -	_____ "Hg		

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 Discharge Pump Pressure -	_____ PSI
Air Stripper Effluent Totalizer (T2) -	_____ GAL	AS Flow Gauge -	_____ SCFM
Air Stripper Effluent Temperature -	_____ °F		

Comments: _____

Appendix B

April 2017 Field Forms



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 4/20/2017
Field Personnel DZ
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-2
 Upgradient Downgradient
Weather Conditions cloudy
Air Temperature 40 ° F
Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 6.06 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed liter

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 690.35 1/100 ft
Height of Riser (above land surface) 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval (below land surface) 7-17 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	
Time (Military)	8:30	8:35	8:40	8:45	8:50	8:55	
Depth to Groundwater Below Top of Casing (ft)	7.80	8.10	8.25	8.40	8.60	8.69	
Drawdown (ft)	-1.74	-0.30	-0.15	-0.15	-0.20	-0.09	
pH (S.U.)	6.38	6.39	6.54	6.7	6.81	6.73	
Sp. Cond. (mS/cm)	0.667	0.626	0.598	0.519	0.345	0.362	
Turbidity (NTUs)	24.4	21.7	23.3	24.3	25.5	12.6	
Dissolved Oxygen (mg/L)	0.42	0.35	0.25	0.18	0.19	0.2	
Water Temperature (°C)	10.2	9.9	9.5	9.4	9.4	9.4	
ORP (mV)	56.6	-59.3	-70.1	-78.1	-80.3	-81.4	

Physical appearance at start Color clear with iron bacteria
Odor no

Physical appearance at sampling Color clear with iron bacteria
Odor no

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample time at 09:00 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 4/20/2017

Field Personnel DZ

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60538931

Well ID # MW-3

☐ Upgradient ☐ Downgradient

Weather Conditions cloudy

Air Temperature 42 ° F

Total Depth (TWD) Below Top of Casing = 28 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 12.29 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 15.71 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 2.56 liter

3 Casing Volumes = 7.68 liter

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 7.68 liter

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 687.05 1/100 ft

Height of Riser (above land surface) 1.15 1/100 ft

Land Surface Elevation 685.9 1/100 ft

Screened Interval (below land surface) 7.5 - 27.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200		
Time (Military)	9:30	9:35	9:40	9:45	9:50	9:55		
Depth to Groundwater Below Top of Casing (ft)	12.80	13.20	13.41	13.50	13.69	13.81		
Drawdown (ft)	-0.51	-0.40	-0.21	-0.09	-0.19	-0.12		
pH (S.U.)	7.31	7.08	7.1	7.12	7.11	7.11		
Sp. Cond. (mS/cm)	0.574	0.592	0.583	0.571	0.572	0.575		
Turbidity (NTUs)	11.00	3.20	4.20	5.00	3.20	2.80		
Dissolved Oxygen (mg/L)	2.95	4.19	1.89	0.21	0.2	0.2		
Water Temperature (°C)	9.2	9.2	9.2	9.2	9.2	9.2		
ORP (mV)	17.2	-29.5	-42.2	-51.9	-49.1	-48.7		

Physical appearance at start Color clear

Odor no

Physical appearance at sampling Color clear

Odor no

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample time at 10:00 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 4/19/2017
Field Personnel DZ
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-6
 Upgradient Downgradient
Weather Conditions rain
Air Temperature 50 ° F
Total Depth (TWD) Below Top of Casing = 25 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8.34 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 0.0 liter
3 Casing Volumes = liter
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed liter

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

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

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150			
Time (Military)	9:15	9:20	9:25	9:30	9:35			
Depth to Groundwater Below Top of Casing (ft)	9.46	9.89	10.15	10.21	10.26			
Drawdown (ft)	-1.12	-0.43	-0.26	-0.06	-0.05			
pH (S.U.)	7.61	7.57	7.35	7.34	7.34			
Sp. Cond. (mS/cm)	0.754	0.749	0.743	0.743	0.743			
Turbidity (NTUs)	15.90	10.50	8.50	7.12	7.40			
Dissolved Oxygen (mg/L)	1.94	1.02	0.47	0.45	0.43			
Water Temperature (°C)	11.3	11.2	11.2	11.3	11.2			
ORP (mV)	-30.4	-28.5	-27.0	-26.9	-26.3			

Physical appearance at start clear
no

Physical appearance at sampling Color clear
Odor no

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample time at 09:40 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)

4/18/2017

Casing Diameter

4

inches

Field Personnel

DZ

Casing Material

PVC

Site Name

Former Scott Aviation Site - Lancaster, NY

Measuring Point Elevation

686.19

1/100 ft

Job #

60538931

Height of Riser (above land surface)

-0.36

1/100 ft

Well ID #

MW-12

Land Surface Elevation

686.55

1/100 ft

Upgradient

Downgradient

Screened Interval (below land surface)

7 - 27

1/100 ft

Weather Conditions

clear

Air Temperature

60

° F

Total Depth (TWD) Below Top of Casing =

27.5

1/100 ft

Depth to Groundwater (DGW) Below Top of Casing =

4.59

1/100 ft

Length of Water Column (LWC) = TWD - DGW =

1/100 ft

1 Casing Volume (OCV) = LWC x

0.163

=

gal

3 Casing Volumes =

gal

Method of Well Evacuation

Peristaltic Pump

Method of Sample Collection

Peristaltic Pump/Teflon Tubing

Total Volume of Water Removed

liter

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

FIELD ANALYSES

VOLUME PURGED (ml)	300	300	300	200	200	200		
TIME (Military)	12:40	12:45	12:50	12:55	13:00	13:05		
Depth to Groundwater Below Top of Casing (ft)	5.87	6.60	7.10	7.70	8.05	8.25		
Drawdown (ft)	-1.28	-0.73	-0.50	-0.60	-0.35	-0.20		
pH (S.U.)	6.61	6.58	6.57	6.58	6.59	6.59		
Sp. Cond. (mS/cm)	1.398	1.394	1.39	1.386	1.385	1.385		
Turbidity (NTUs)	14.6	10.3	10	9.3	9.2	9.1		
Dissolved Oxygen (mg/L)	1.09	0.09	0.05	0.04	0.04	0.03		
Water Temperature (°C)	13.4	10	10	10.1	10.1	10.1		
ORP (mV)	-86.2	-95.5	-100.3	-105.9	-107.4	-109.3		

Physical appearance at start

Color

clear

Odor

no

Sheen/Free Product

no

Physical appearance at sampling

Color

clear

Odor

no

Sheen/Free Product

no

COMMENTS/OBSERVATIONS

Sample time at 13:10hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/19/2017

Field PersonnelDZ

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-13S

Upgradient

Downgradient

Weather Conditionsrain

Air Temperature50 ° F

Total Depth (TWD) Below Top of Casing =16.51/100 ft

Depth to Groundwater (DGW) Below Top of Casing =6.111/100 ft

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

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

3 Casing Volumes = gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed2 liter

Casing Diameter1 inches

Casing MaterialPVC

Measuring Point Elevation685.741/100 ft

Height of Riser (above land surface)-0.501/100 ft

Land Surface Elevation686.241/100 ft

Screened Interval (below land surface)8.5-16.51/100 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			
Time (Military)	11:40	11:45	11:50	11:55			
Depth to Groundwater Below Top of Casing (ft)	6.12	6.89	7.54	7.89			
Drawdown (ft)	-0.01	-0.77	-0.65	-0.35			
pH (S.U.)	6.85	6.87	6.89	6.89			
Sp. Cond. (mS/cm)	1.242	1.265	1.266	1.267			
Turbidity (NTUs)	17.9	20.2	22.0	21.6			
Dissolved Oxygen (mg/L)	0.03	0.02	0.02	0.01			
Water Temperature (°C)	10.6	10.60	10.7	10.7			
ORP (mV)	-75.9	-81.3	-87.9	-91.2			

Physical appearance at start

Colorclear

Odor

Sheen/Free Productno

Physical appearance at sampling

Colorclear

Odor

Sheen/Free Productno

COMMENTS/OBSERVATIONS

Sample time at 12:00 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____	4/20/2017	
Field Personnel _____	DZ	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60538931	
Well ID # _____	MW-16S	
_____ Upgradient	_____ Downgradient	
Weather Conditions _____	cloudy	
Air Temperature _____	40	° 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 = _____		1/100 ft
1 Casing Volume (OCV) = LWC x _____	0.163	= _____ liter
3 Casing Volumes = _____		liter
Method of Well Evacuation _____	Peristaltic Pump	
Method of Sample Collection _____	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed _____	2	liter

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

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

FIELD ANALYSES							
Flow Rate (ml/min)	150	150	150	150			
Time (Military)	7:40	7:45	7:50	7:55			
Depth to Groundwater Below Top of Casing (ft)	9.80	10.05	11.74	12.05			
Drawdown (ft)	-2.52	-0.25	-1.69	-0.31			
pH (S.U.)	6.82			6.88			
Sp. Cond. (mS/cm)	1.311			3.024			
Turbidity (NTUs)	22			41.3			
Dissolved Oxygen (mg/L)	3.26			0.63			
Water Temperature (°C)	7.8			7.41			
ORP (mV)	-115.7			-136.3			

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 08:00 hrs. _____

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) <u>4/19/2017</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>685.88</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-13D</u>	Land Surface Elevation <u>686.24</u> 1/100 ft
<u> </u> Upgradient <u> </u> Downgradient	Screened Interval (below land surface) <u>19.5-23.5</u> 1/100 ft
Weather Conditions <u>rain</u>	
Air Temperature <u>50</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>10.1</u> 1/100 ft	
Length of Water Column (LWC) = TWD - DGW = <u> </u> 1/100 ft	
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u> </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> </u> liter	

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	100	100	100			
Time (Military)	12:40	12:45	12:50	12:55			
Depth to Groundwater Below Top of Casing (ft)	10.55	11.12	11.73	12.38			
Drawdown (ft)	-0.45	-0.57	-0.61	-0.65			
pH (S.U.)	7.45	7.21	7.09	7.02			
Sp. Cond. (mS/cm)	0.847	0.987	1.114	1.163			
Turbidity (NTUs)	57.5	45.6	32.1	25.2			
Dissolved Oxygen (mg/L)	4.41	4.11	3.98	3.66			
Water Temperature (°C)	10.2	10.2	10.1	10.1			
ORP (mV)	-102.4	-87.2	-67.9	-54.7			

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 <u>Sample time at 13:00 hrs.</u>	



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 4/18/2017
Field Personnel DZ
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-14D

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 685.84 1/100 ft
Height of Riser (above land surface) _____ 1/100 ft
Land Surface Elevation _____ 1/100 ft
Screened Interval (below land surface) 18.5-23.5 1/100 ft

Upgradient _____ Downgradient _____
Weather Conditions sunny

Air Temperature 65 ° F

Total Depth (TWD) Below Top of Casing = 23.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 12.45 1/100 ft

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

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

3 Casing Volumes = _____ gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 3 liter

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	100	100		
Time (Military)	14:25	14:30	14:35	14:40	14:45		
Depth to Groundwater Below Top of Casing (ft)	13.90	14.35	14.99	15.00	15.06		
Drawdown (ft)	-1.45	-0.45	-0.64	-0.01	-0.06		
pH (S.U.)	7.23	7.01	7.02	6.97	6.97		
Sp. Cond. (mS/cm)	1.201	1.215	1.066	1.078	1.107		
Turbidity (NTUs)	51.5	57.2	30.2	12.1	11		
Dissolved Oxygen (mg/L)	4.56	2.89	1.34	1.26	1.11		
Water Temperature (°C)	12.40	12.10	11.90	12.30	12.30		
ORP (mV)	-73.3	-72.5	-74.3	-77.7	-79.6		

Physical appearance at start Color clear
Odor no

Physical appearance at sampling Color clear
Odor no

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample time at 14:50hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/19/2017

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 = 0.901/100 ft

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

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

3 Casing Volumes = gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed 8 liter

Casing Diameter1 inches

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	4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	8:40	8:45	8:50	8:55	9:00			
Depth to Groundwater Below Top of Casing (ft)	2.8	4.2	4.9	5.1	5.3			
Drawdown (ft)	-1.90	-1.4	-0.7	-0.2	-0.2			
pH (S.U.)	7.6	7.61	8.54	9.44	10.65			
Sp. Cond. (mS/cm)	0.629	0.656	0.657	0.659	0.659			
Turbidity (NTUs)	13.4	20.8	29.3	31.1	32.20			
Dissolved Oxygen (mg/L)	2.31	0.41	0.21	0.11	0.01			
Water Temperature (°C)	10.00	10.00	10.50	10.70	10.90			
ORP (mV)	-166.8	-174.8	-187.0	-192.2	-198.2			

Physical appearance at start

Colorclear

Odor

Physical appearance at sampling

Colorclear

Odor

Sheen/Free Productno

Sheen/Free Productno

COMMENTS/OBSERVATIONS

Sample 09:05hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/19/2017

Field PersonnelDZ

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-16D

Upgradient

Downgradient

Weather Conditionsrain

Air Temperature50 ° F

Total Depth (TWD) Below Top of Casing = 241/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 13.241/100 ft

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

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

3 Casing Volumes = gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed3 liter

Casing Diameter1 inches

Casing MaterialPVC

Measuring Point Elevation688.161/100 ft

Height of Riser (above land surface)2.471/100 ft

Land Surface Elevation685.691/100 ft

Screened Interval (below land surface)20-241/100 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	150	150	150				
Time (Military)	14:40	14:45	14:50	14:55				
Depth to Groundwater Below Top of Casing (ft)	16.5	17.1	17.63	17.98				
Drawdown (ft)	-3.26	-0.60	-0.53	-0.35				
pH (S.U.)	7.55	7.55	7.56	7.55				
Sp. Cond. (mS/cm)	1.031	1.039	1.041	1.043				
Turbidity (NTUs)	85.5	45.7	32.4	29.2				
Dissolved Oxygen (g/L)	0.29	0.25	0.19	0.12				
Water Temperature (°C)	10.7	10.8	10.7	10.8				
ORP (mV)	-143.7	-145.4	-159.3	-176.2				

Physical appearance at start

Colorclear

Odoryes

Sheen/Free Productno

Physical appearance at sampling

Colorclear

Odoryes

Sheen/Free Productno

COMMENTS/OBSERVATIONS

Sample time at 15:00hrs.

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 AMSL)
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	682.62

NOTES:

ft AMSL - feet above mean sea level

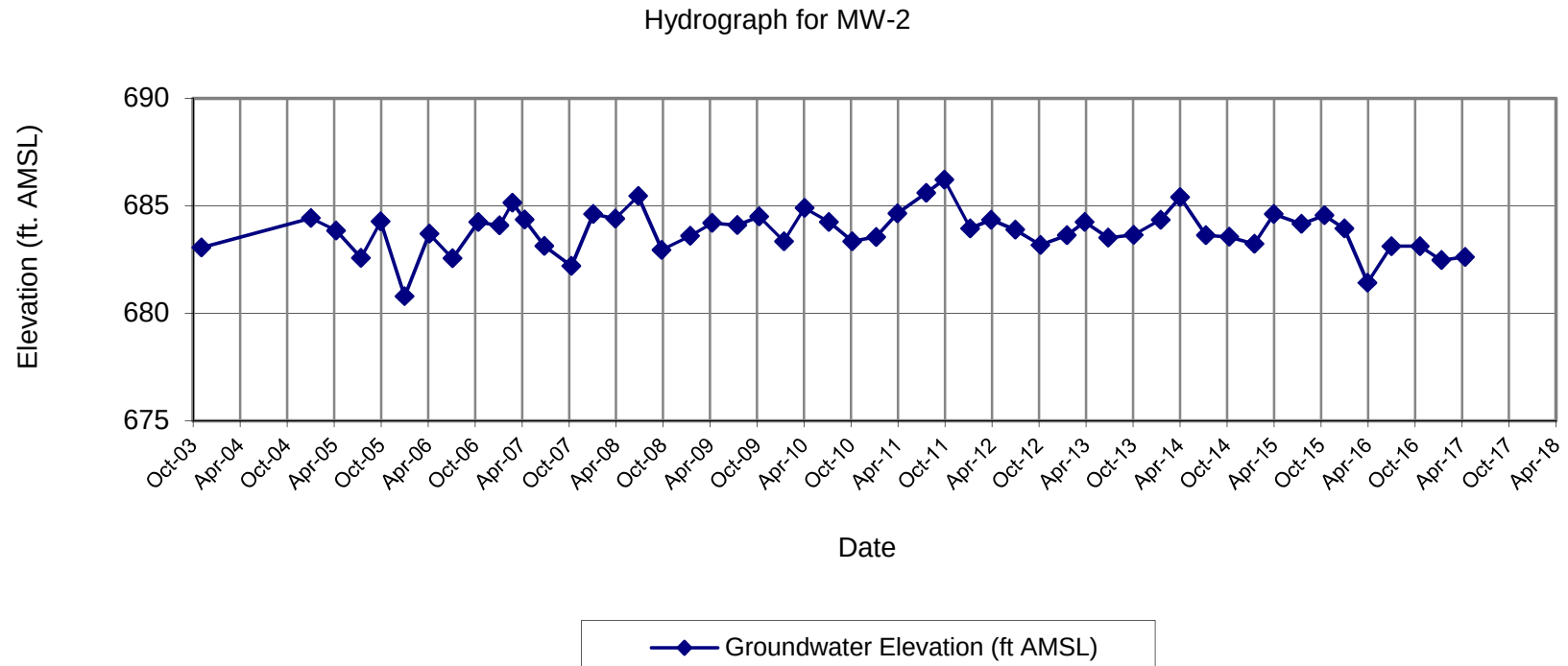
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 688.68 ft AMSL; remeasured February 23, 2016

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 AMSL)
11/7/2003	12.76	674.96
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	11.65	676.07
4/14/2005	12.64	675.08
7/20/2005	12.73	674.99
10/4/2005	7.38	680.34
1/5/2006	11.31	676.41
4/11/2006	11.84	675.88
7/10/2006	12.31	675.41
10/18/2006	10.82	676.9
1/9/2007	10.99	676.73
2/28/2007	3.99	683.73
4/16/2007	11.87	675.85
7/2/2007	13.35	674.37
10/17/2007	13.1	674.62
1/8/2008	7.61	680.11
4/2/2008	11.71	676.01
7/1/2008	10.75	676.27
9/30/2008	11.95	675.07
1/19/2009	10.94	676.08
4/14/2009	10.94	676.08
7/21/2009	11.51	675.51
10/14/2009	10.75	676.27
1/18/2010	12.38	674.64
4/8/2010	11.02	676.00
7/12/2010	9.18	677.84
10/11/2010	10.9	676.12
1/12/2011	11.3	675.72
4/4/2011	10.7	676.32
7/25/2011	4.38	682.64
10/3/2011	3.14	683.88
1/12/2012	10.65	676.37
4/2/2012	9.81	677.21
7/5/2012	8.56	678.46
10/11/2012	9.77	677.25
1/21/2013	11.15	675.87
4/1/2013	8.56	678.46
7/1/2013	11.85	675.17
10/9/2013	10.43	676.59
1/21/2014	10.45	676.57
4/7/2014	11.77	675.25
7/16/2014	10.29	676.73
10/14/2014	9.65	677.37
1/20/2015	10.15	676.87
4/6/2015	8.94	678.08
7/22/2015	7.98	679.04
10/19/2015	5.15	681.87
1/5/2016	9.01	678.01
4/4/2016	8.00	679.05
7/5/2016	5.86	681.19
10/24/2016	5.86	681.19
1/16/2017	10.58	676.47
4/18/2017	12.29	674.76

NOTES:

ft AMSL - feet above mean sea level

NA - Not Available

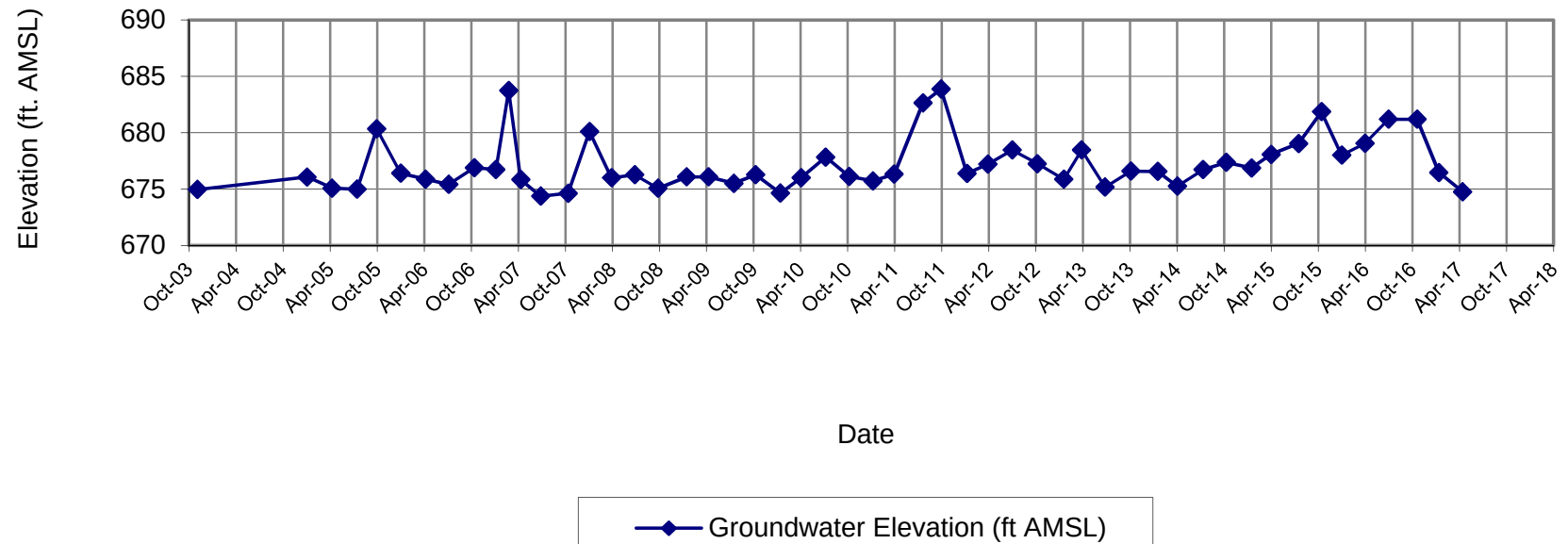
NM - Not Measured

TOC - top of inner casing

TOC Elevation - 687.05 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	674.58

NOTES:

ft AMSL - feet above mean sea level

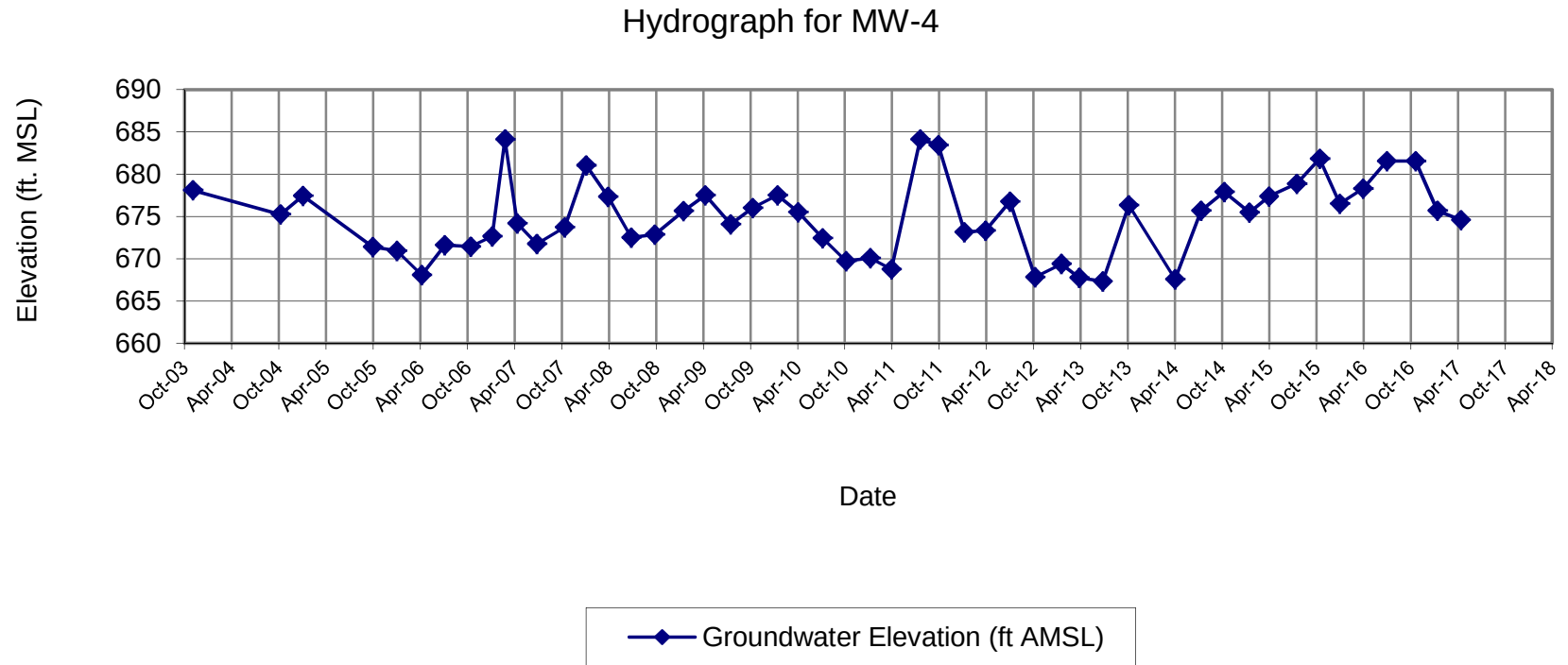
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 686.50 ft AMSL; remeasured February 23, 2016

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



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 AMSL)
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

NOTES:

ft AMSL - feet above mean sea level

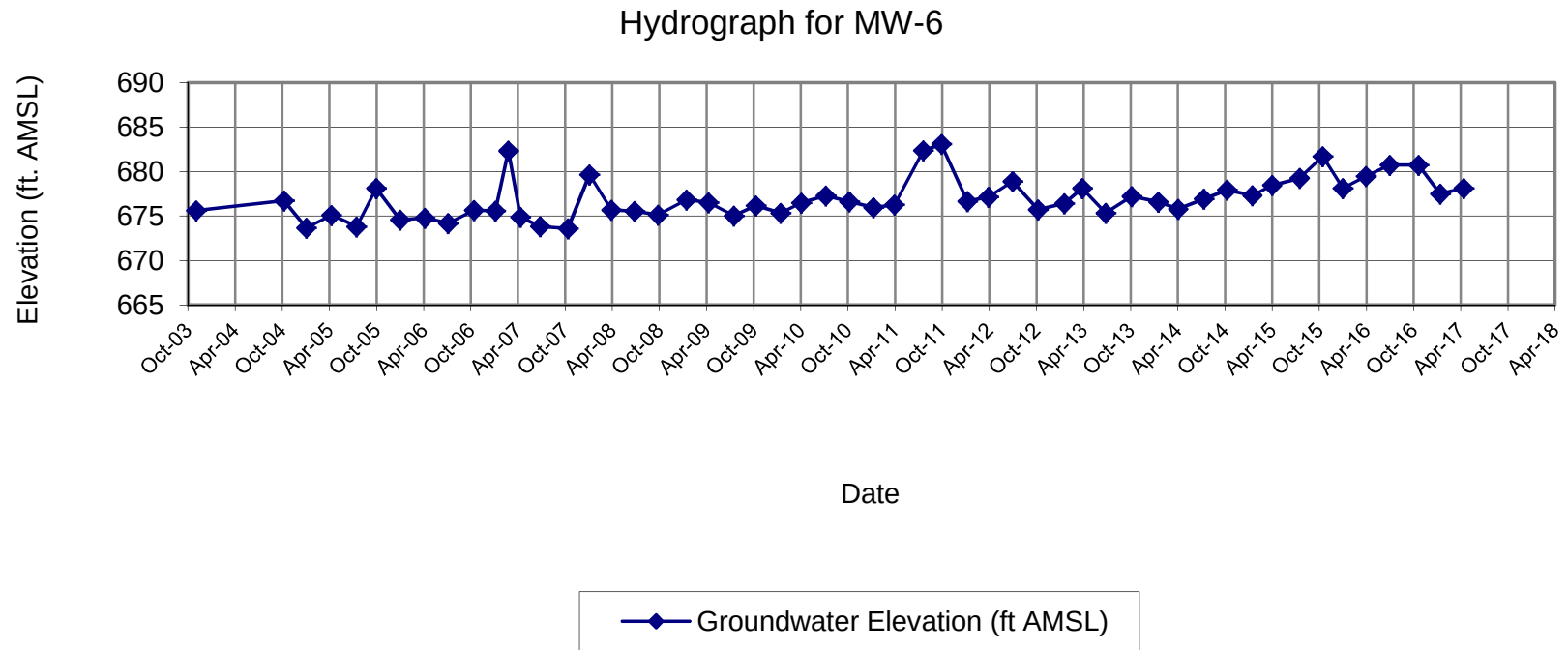
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 686.46 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	672.61

NOTES:

ft AMSL - feet above mean sea level

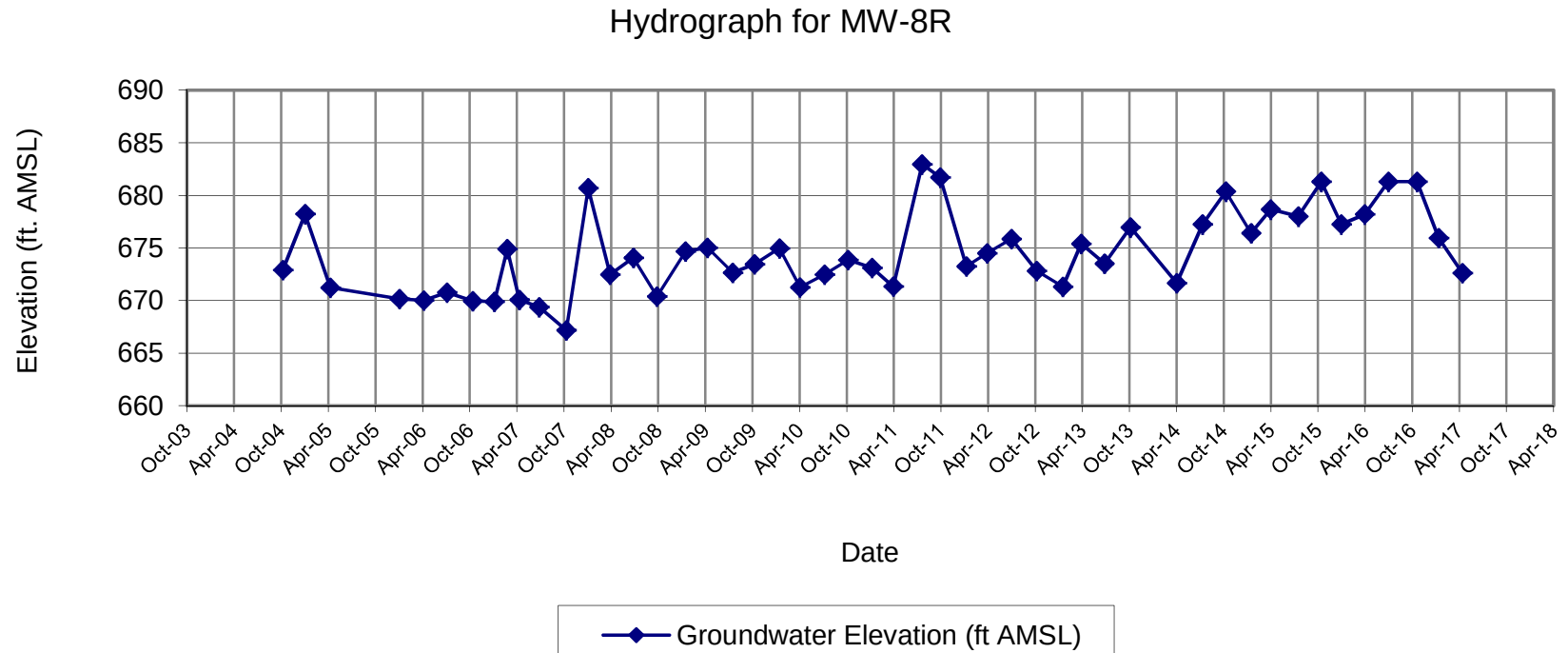
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 686.29 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	675.33

NOTES:

ft AMSL - feet above mean sea level

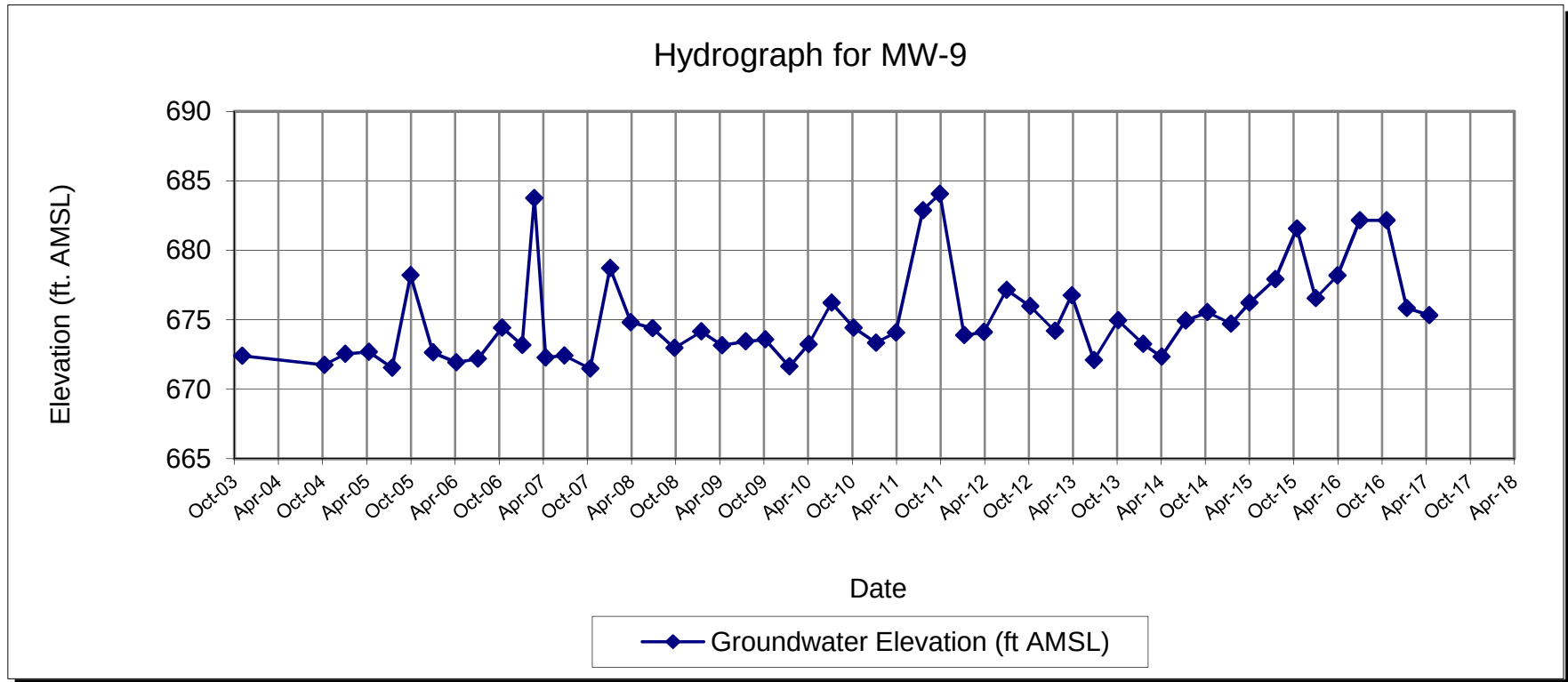
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 689.57 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	680.16

NOTES:

ft AMSL - feet above mean sea level

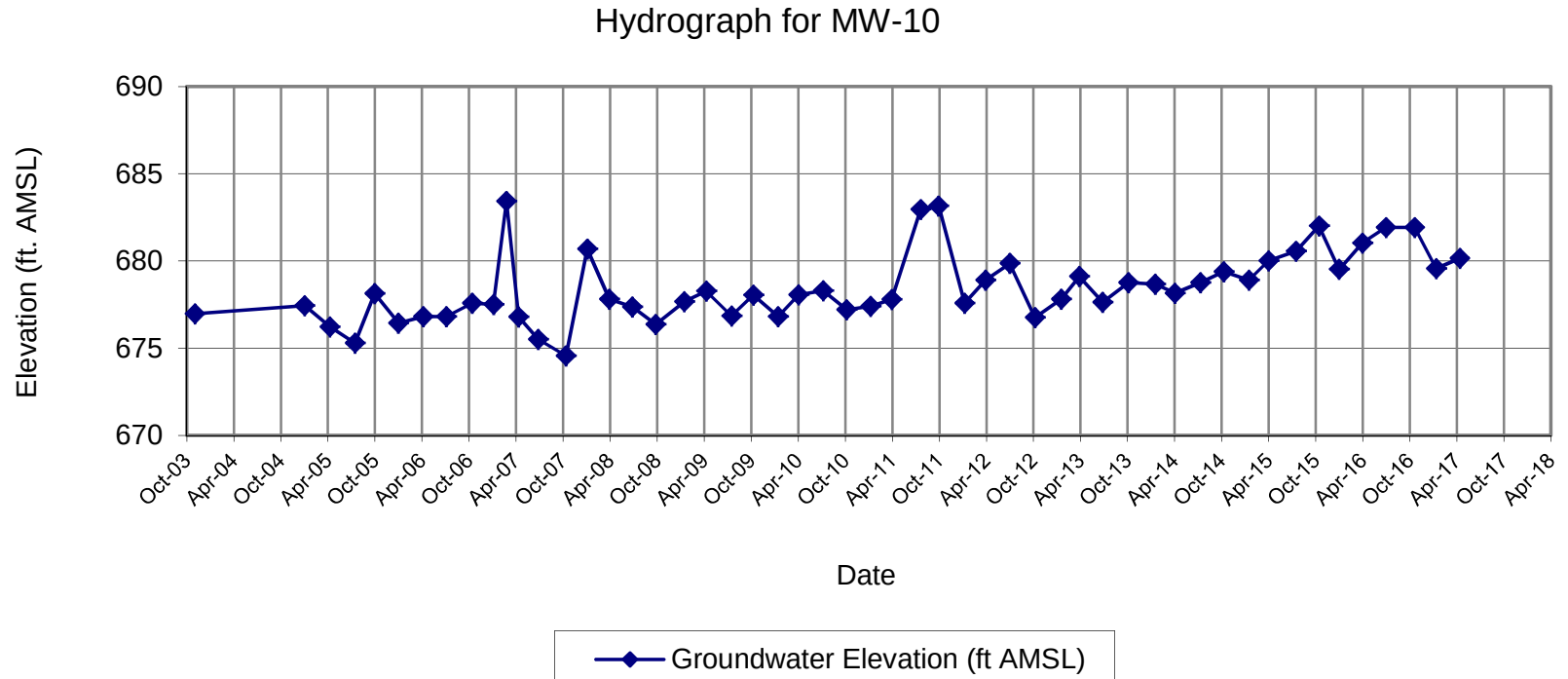
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 687.7 ft AMSL; remeasured February 23, 2016

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 AMSL)
1/6/2005	15.59	673.02
4/14/2005	11.59	677.02
7/20/2005	17.34	671.27
10/4/2005	10.45	678.16
1/5/2006	16.58	672.03
4/11/2006	13.52	675.09
7/10/2006	13.75	674.86
10/18/2006	14.35	674.26
1/9/2007	15.26	673.35
2/28/2007	6.34	682.27
4/16/2007	11.55	677.06
7/2/2007	17.30	671.31
10/16/2007	17.69	670.92
1/8/2008	11.73	676.88
4/2/2008	14.78	673.83
7/1/2008	13.91	674.74
9/30/2008	15.25	673.40
1/19/2009	13.45	675.20
4/14/2009	13.50	675.15
7/21/2009	14.51	674.14
10/14/2009	13.85	674.80
1/18/2010	16.38	672.27
4/8/2010	13.90	674.75
7/12/2010	12.60	676.05
10/11/2010	14.80	673.85
1/12/2011	NM	NA
4/4/2011	14.52	674.13
7/25/2011	4.48	684.17
10/3/2011	4.05	684.60
1/12/2012	8.96	679.69
4/2/2012	12.87	675.78
7/5/2012	10.53	678.12
10/11/2012	14.40	674.25
1/21/2013	14.75	673.90
4/1/2013	11.66	676.99
7/1/2013	14.99	673.66
10/9/2013	12.25	676.40
1/21/2014	13.75	674.90
4/7/2014	14.56	674.09
7/16/2014	12.64	676.01
10/14/2014	12.26	676.39
1/20/2015	12.31	676.34
4/6/2015	11.95	676.70
7/22/2015	8.49	680.16
10/19/2015	8.75	679.90
1/5/2016	12.53	676.12
4/4/2016	10.84	677.77
7/5/2016	9.37	679.24
10/24/2016	9.37	679.24
1/16/2017	9.60	679.01
4/18/2017	11.98	676.63

NOTES:

ft AMSL - feet above mean sea level

NA - Not Available

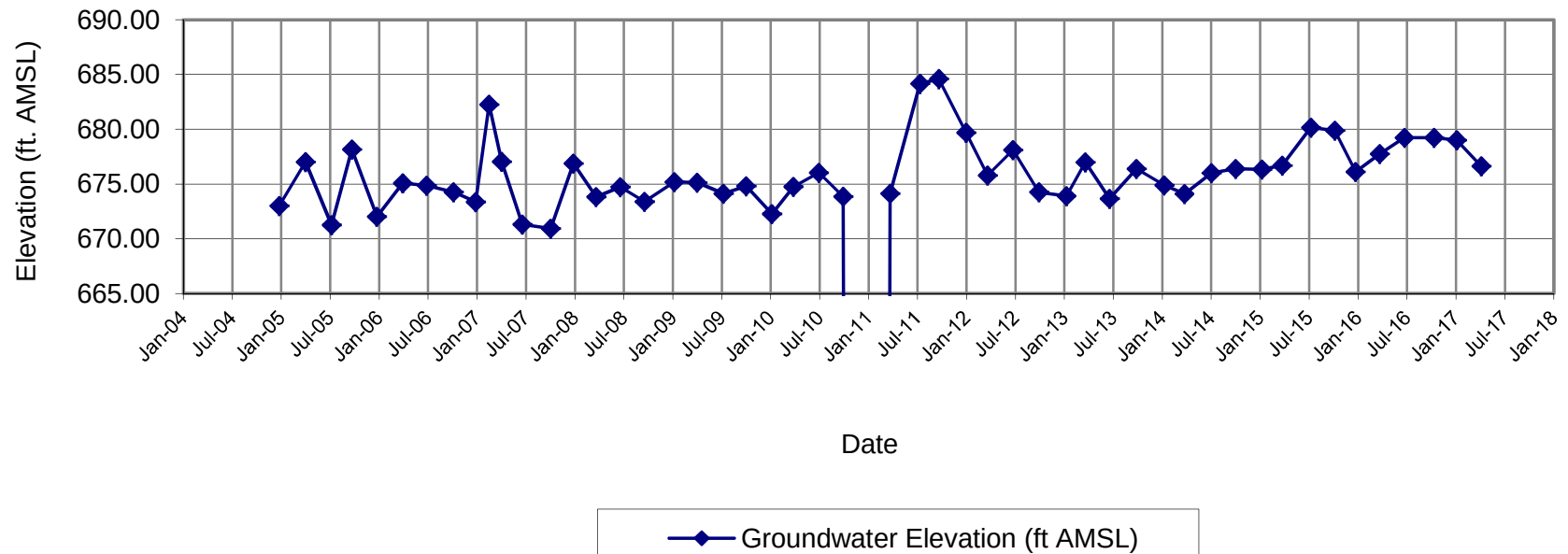
NM - Not Measured

TOC - top of inner casing

TOC Elevation - 679.24 ft AMSL; remeasured February 23, 2016

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	
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	681.60

NOTES:

ft AMSL - feet above mean sea level

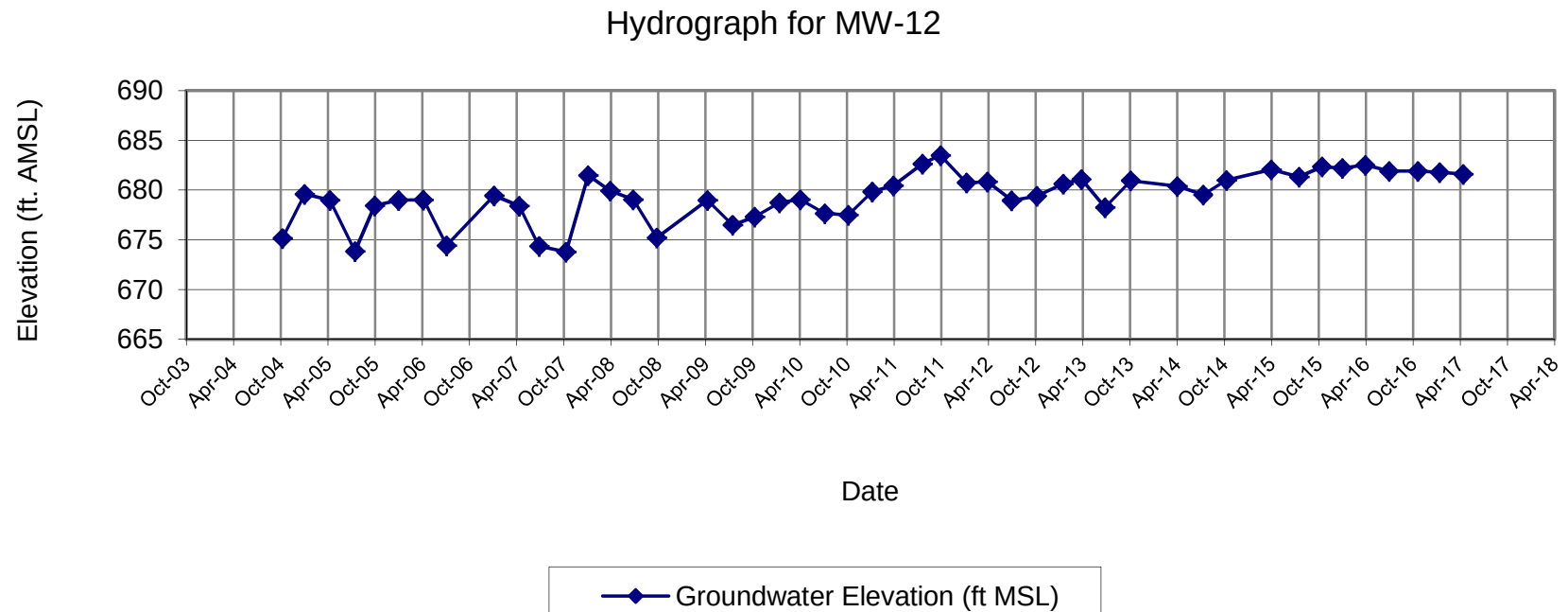
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 679.24 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	680.54

NOTES:

ft AMSL - feet above mean sea level

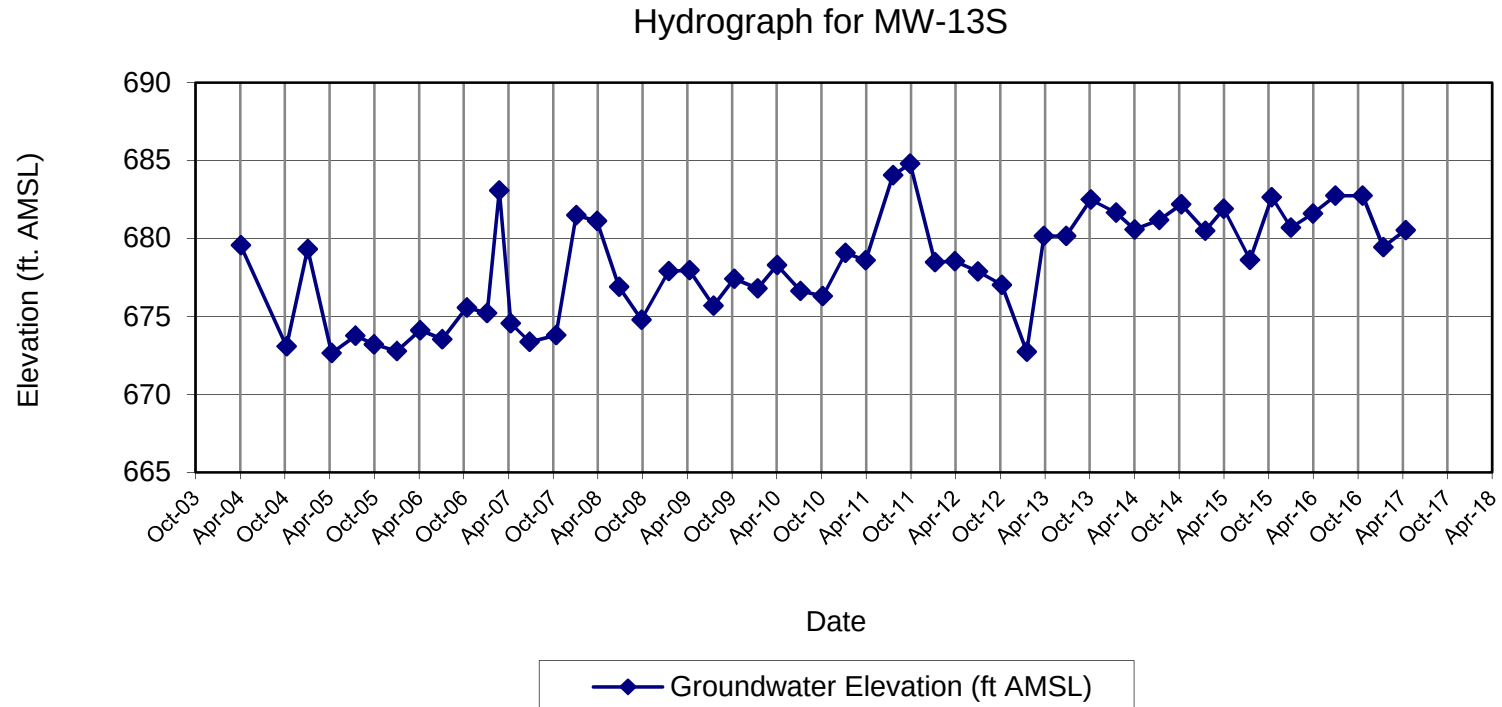
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 686.65 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	676.68

NOTES:

ft AMSL - feet above mean sea level

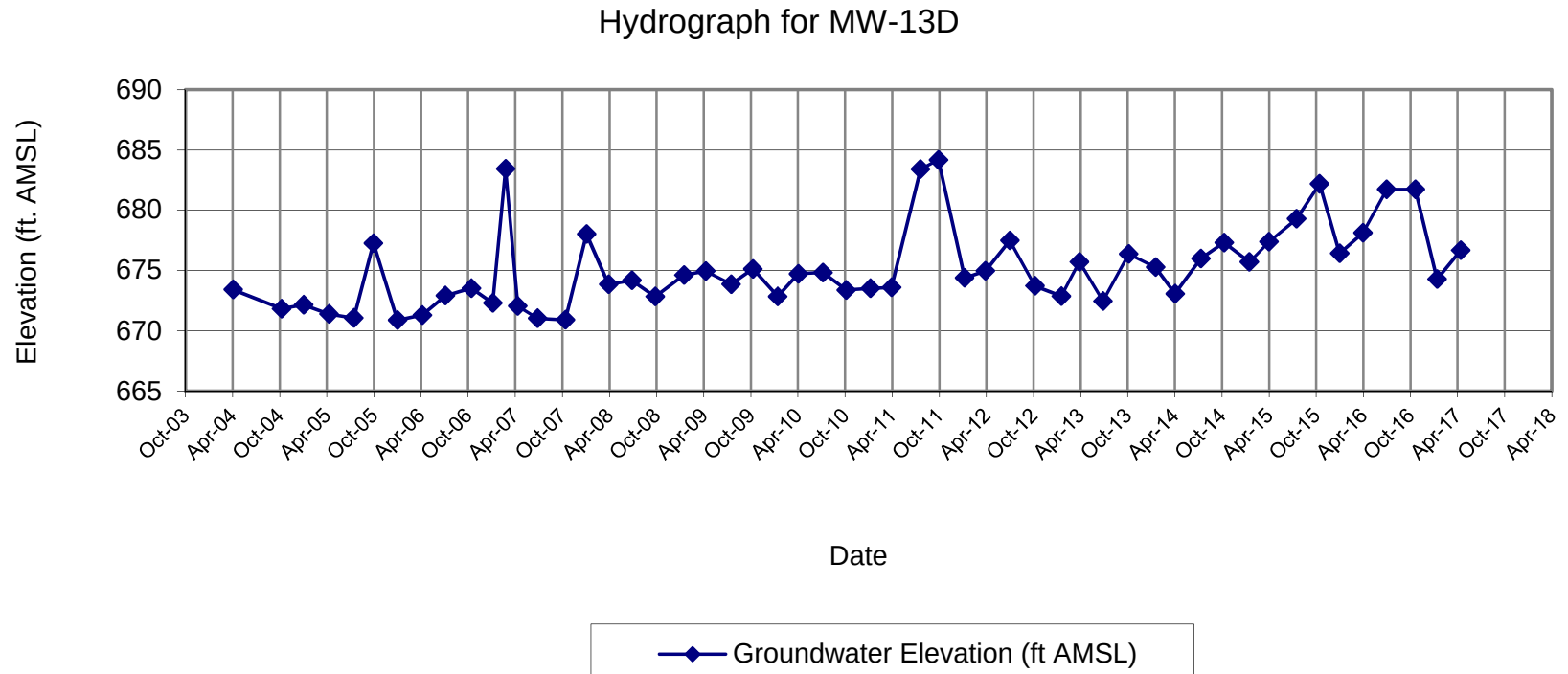
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 686.78 ft AMSL; remeasured February 23, 2016

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft AMSL)
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	676.94
7/5/2016	3.80	681.94
10/24/2016	3.80	681.94
1/16/2017	5.10	680.64
4/18/2017	5.44	680.30

NOTES:

ft AMSL - feet above mean sea level

NA - Not Available

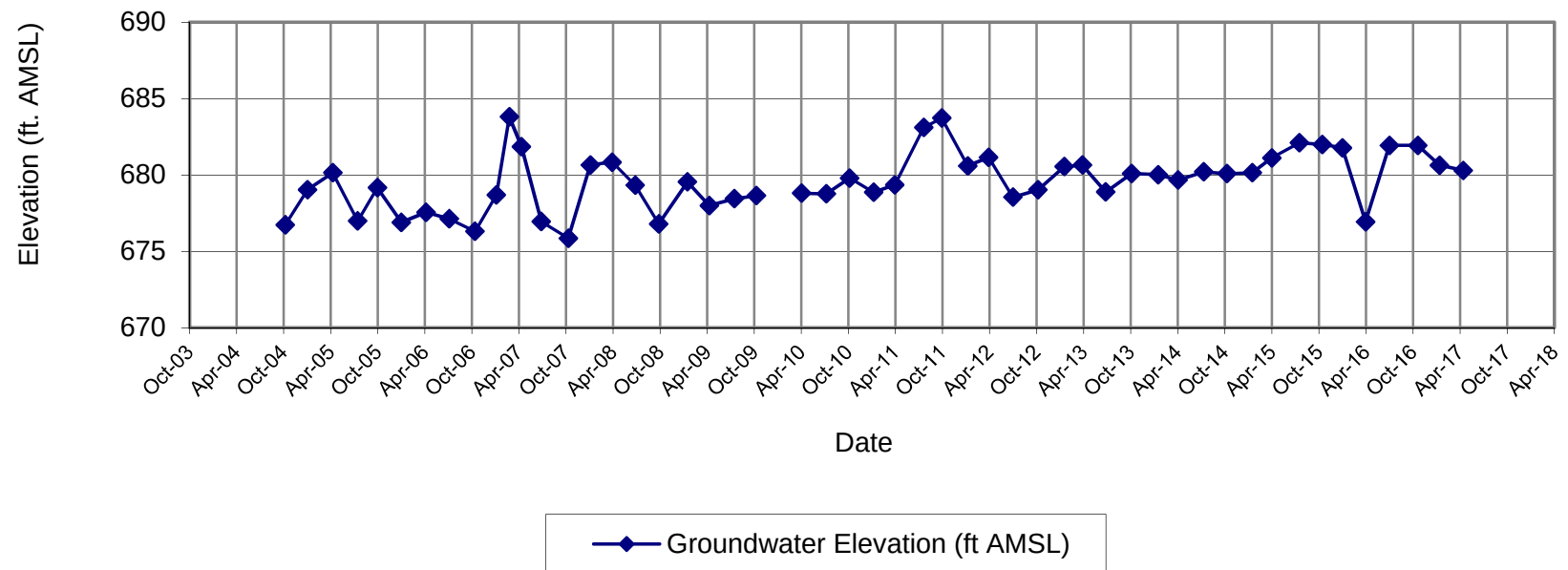
NM - Not Measured

TOC - top of inner casing

TOC Elevation - 685.74 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	673.43

NOTES:

ft AMSL - feet above mean sea level

NA - Not Available

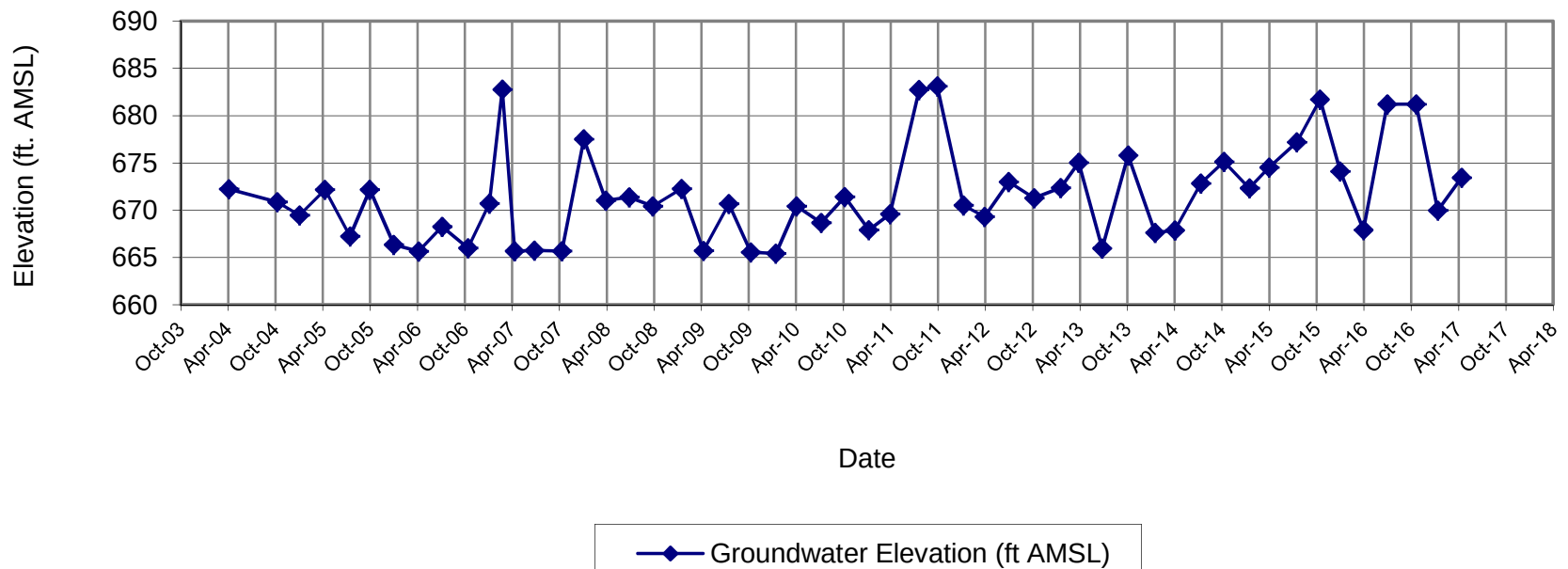
NM - Not Measured

TOC - top of inner casing

TOC Elevation - 685.88 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	686.27

NOTES:

ft AMSL - feet above mean sea level

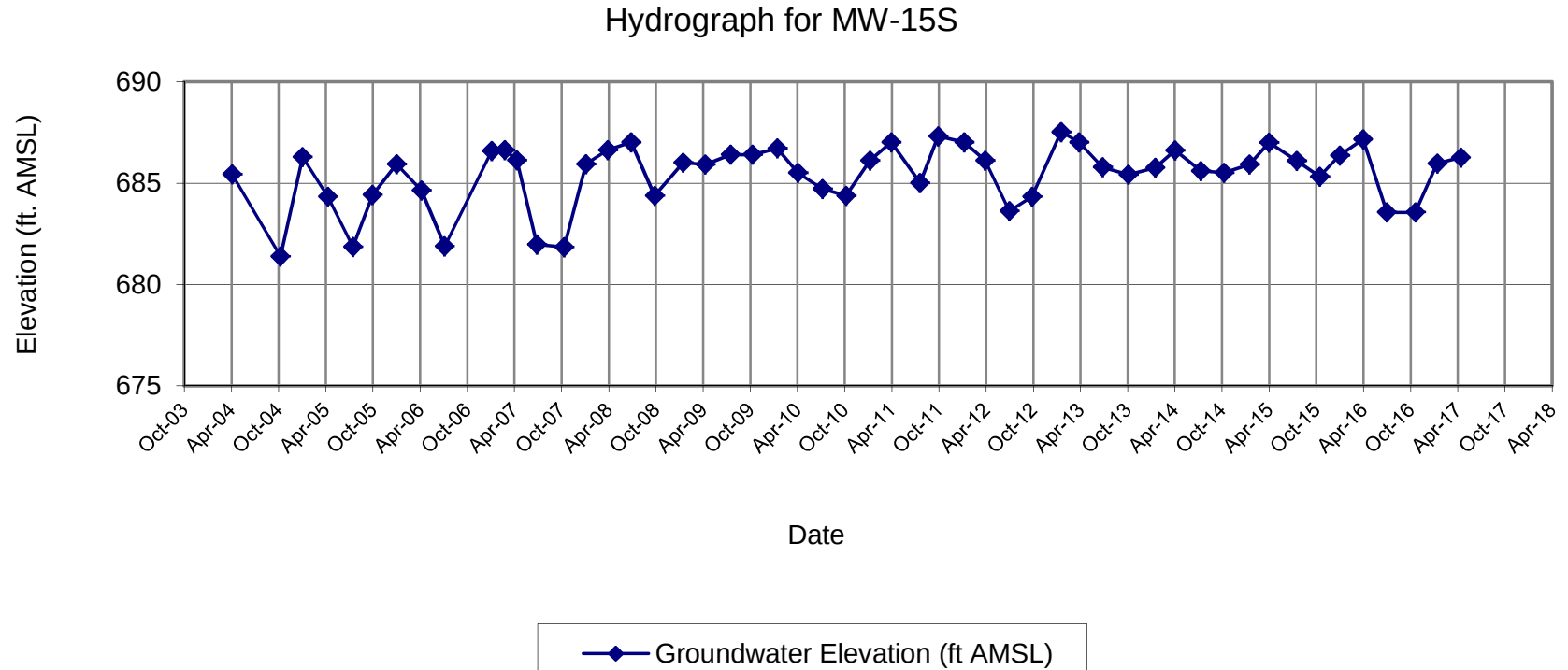
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 687.17 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	21.70	666.17
7/5/2016	5.85	681.52
10/24/2016	5.85	681.52
1/16/2017	13.56	673.81
4/18/2017	13.40	673.97

NOTES:

ft AMSL - feet above mean sea level

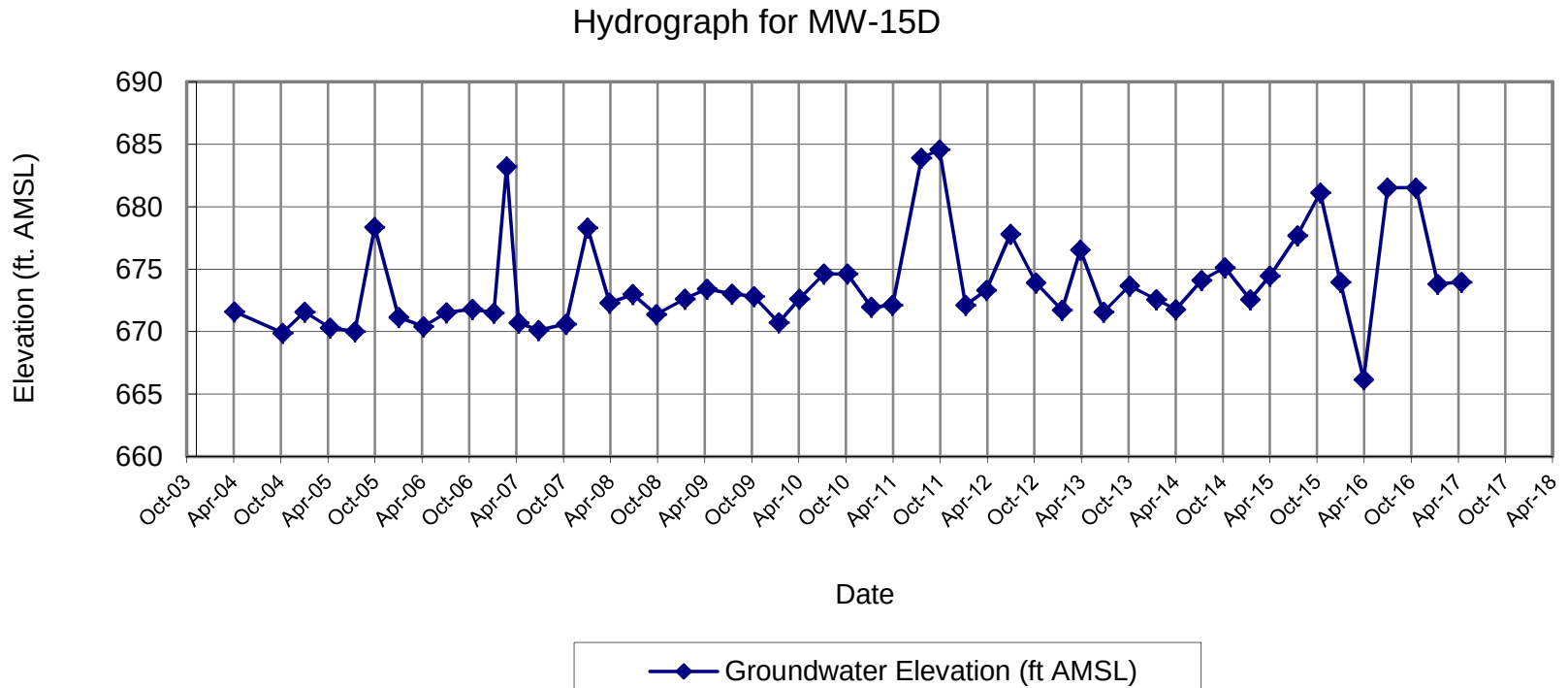
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 681.52 ft AMSL; remeasured February 23, 2016

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 AMSL)
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
4/15/2017	7.28	680.87

NOTES:

ft AMSL - feet above mean sea level

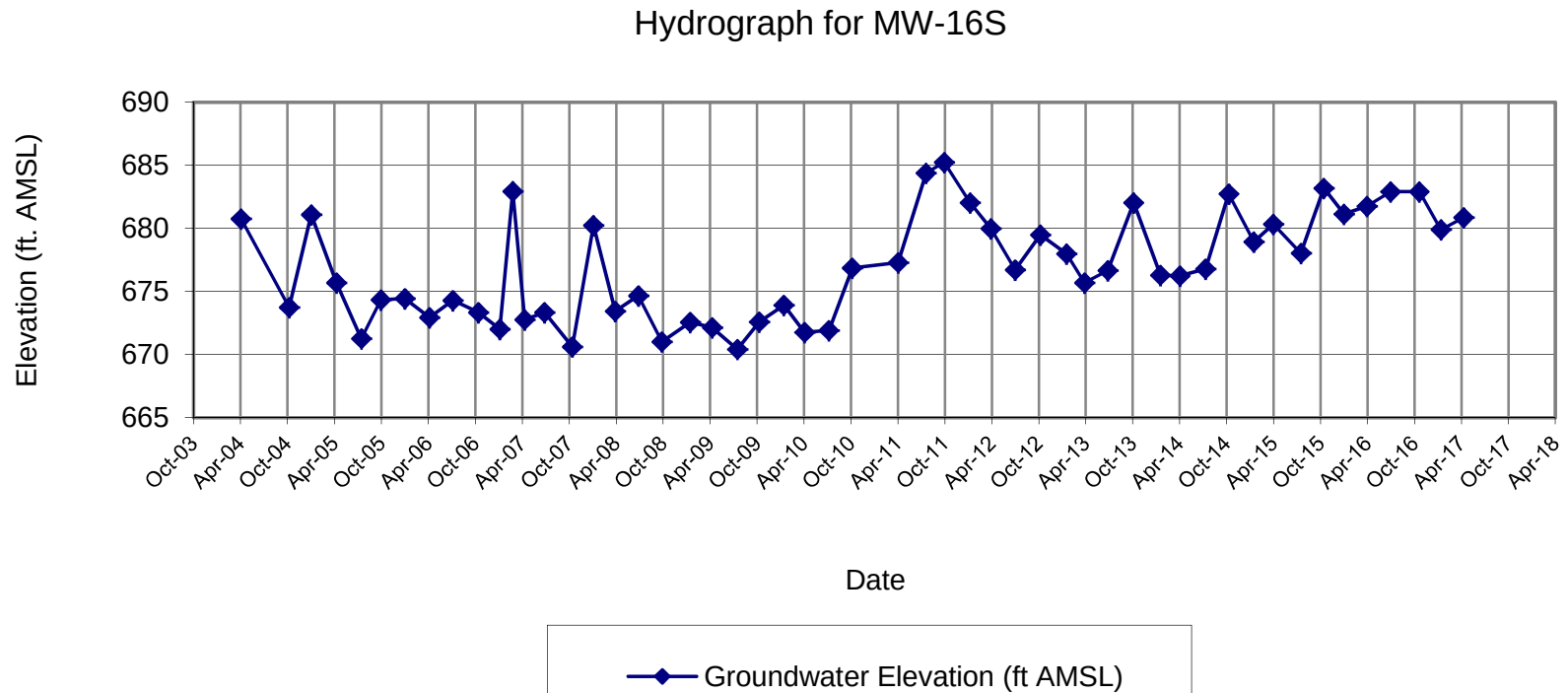
NA - Not Available

NM - Not Measured

TOC - top of inner casing

TOC Elevation - 688.52 15 ft AMSL; remeasured February 23, 2016

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 AMSL)
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	674.92

NOTES:

ft AMSL - feet above mean sea level

NA - Not Available

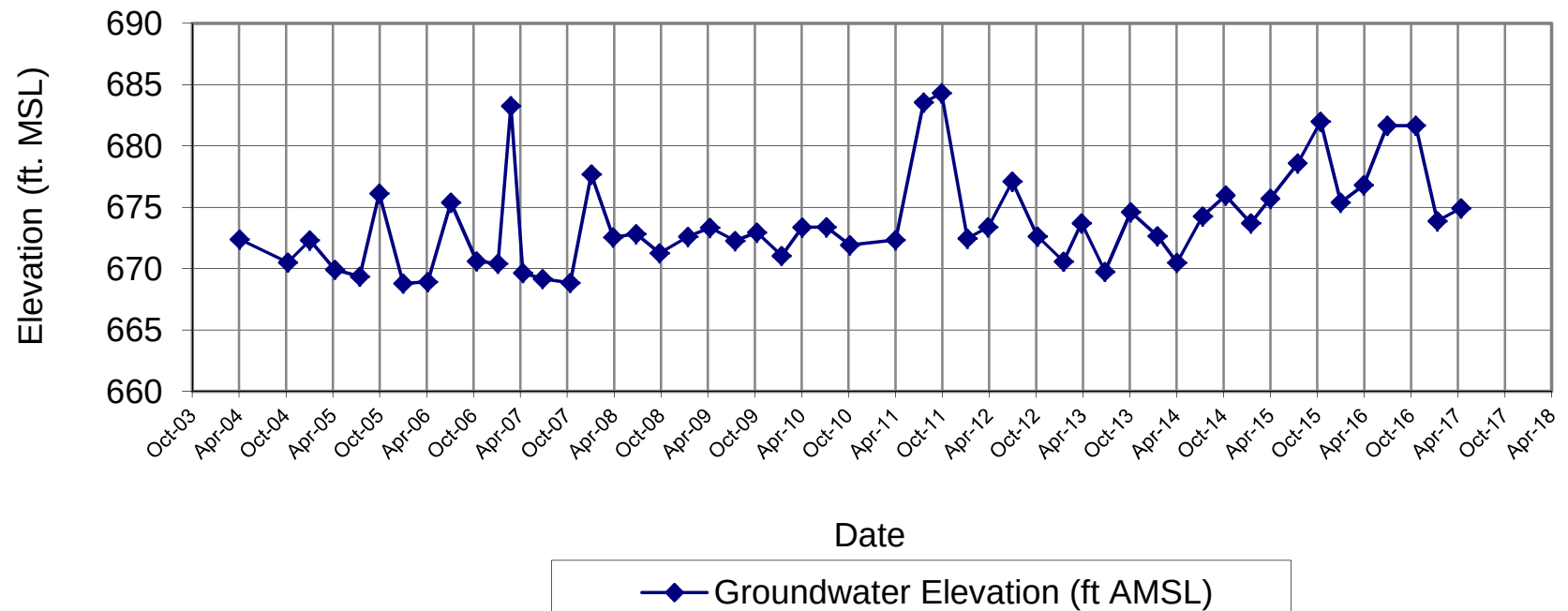
NM - Not Measured

TOC - top of inner casing

TOC Elevation - 688.16 15 ft AMSL; remeasured February 23, 2016

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

Hydrograph for MW-16D



Appendix D

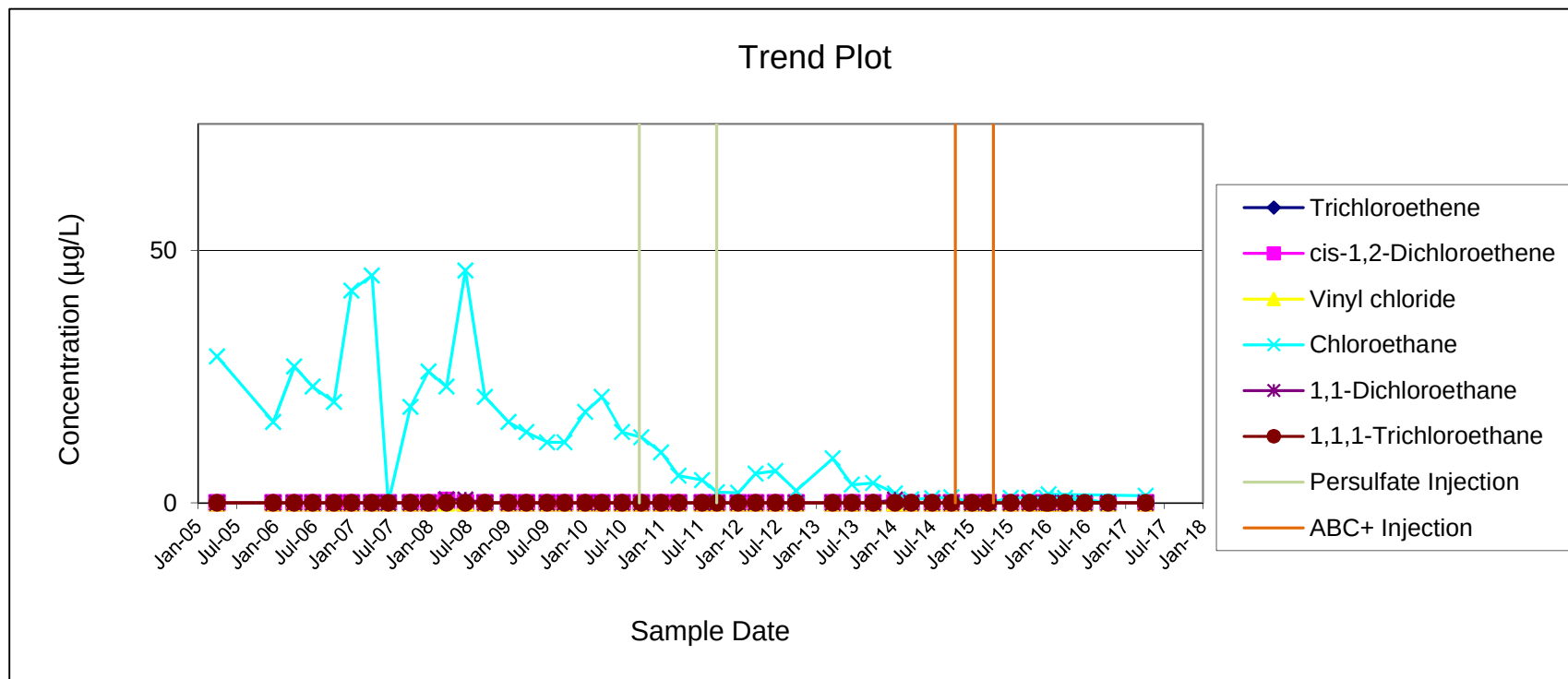
Current and Historical Summary of VOC's in Groundwater

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

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

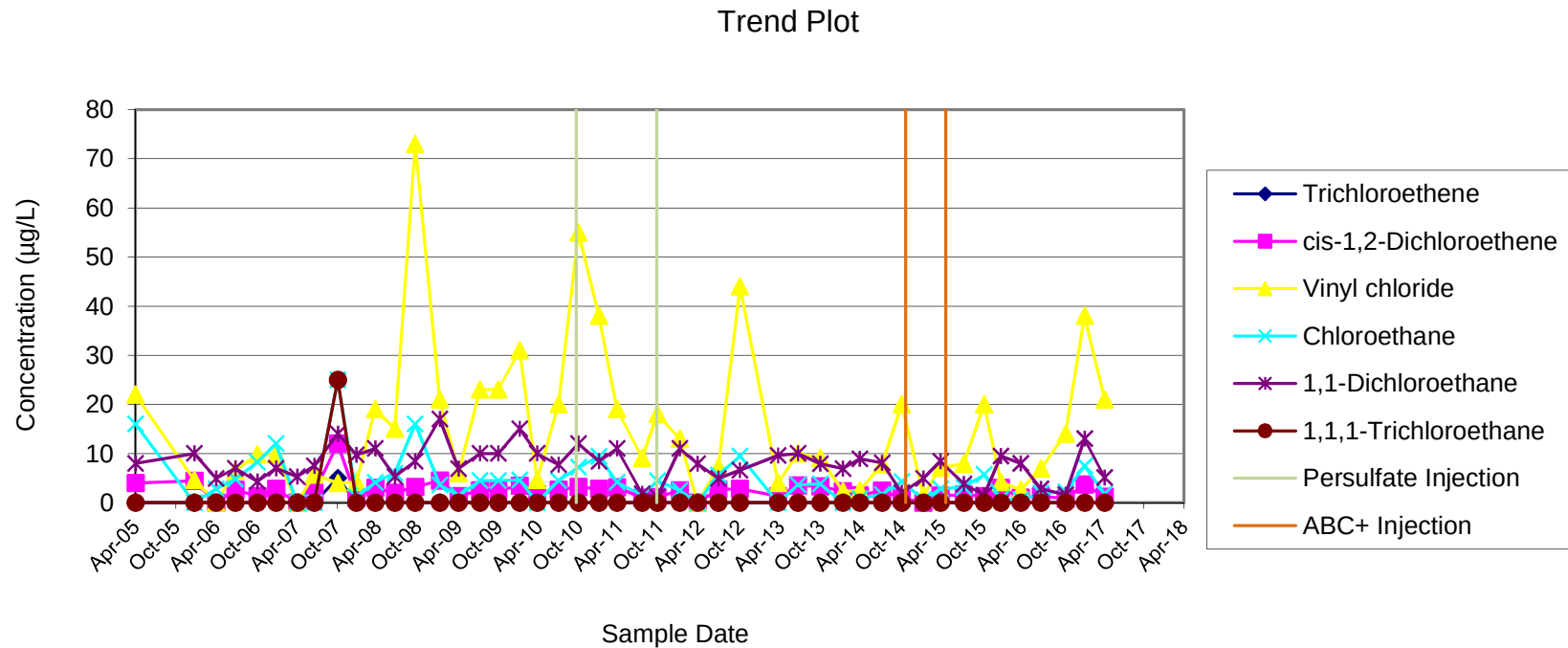


Note TCE data from 10/11/10 was reported in error as 350 $\mu\text{g/L}$ and cis-1,2-DCE was reported as 25 $\mu\text{g/L}$.

**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

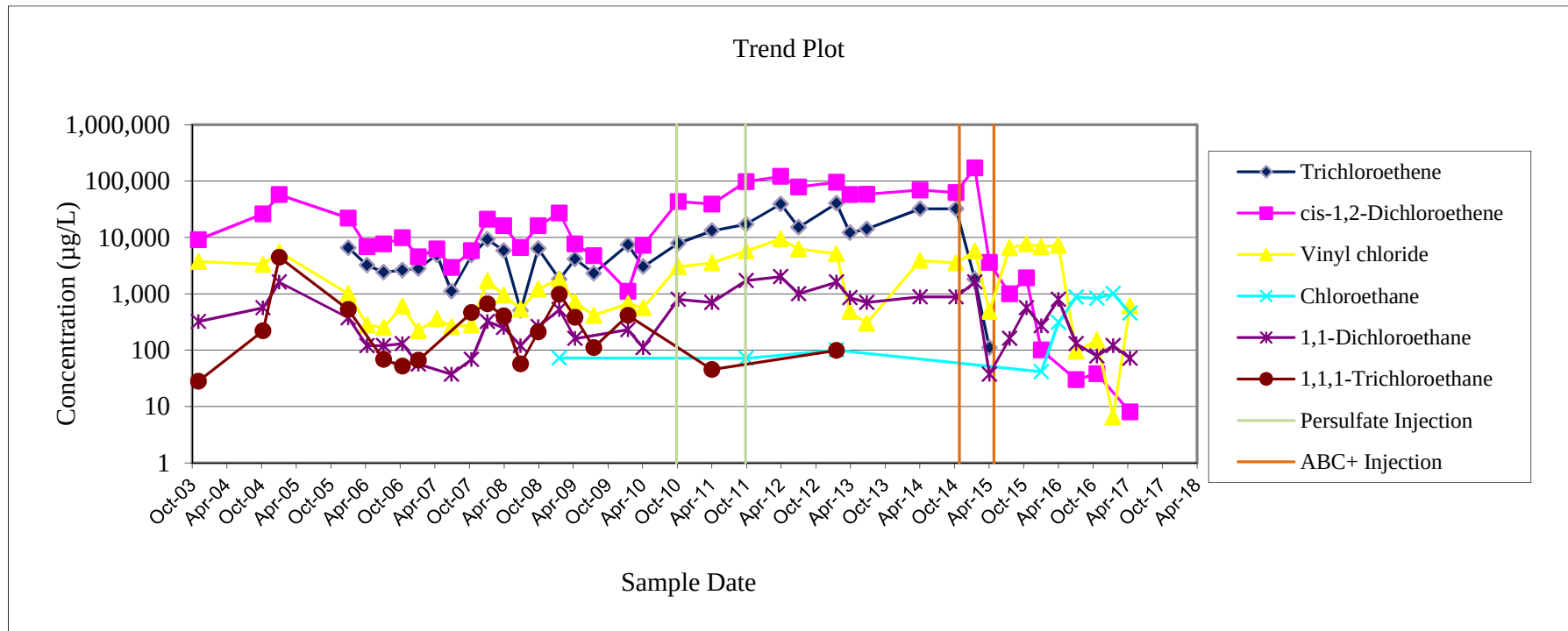
MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	1000	120	<20
4/18/2017	<5	8	610	450	71	<5

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



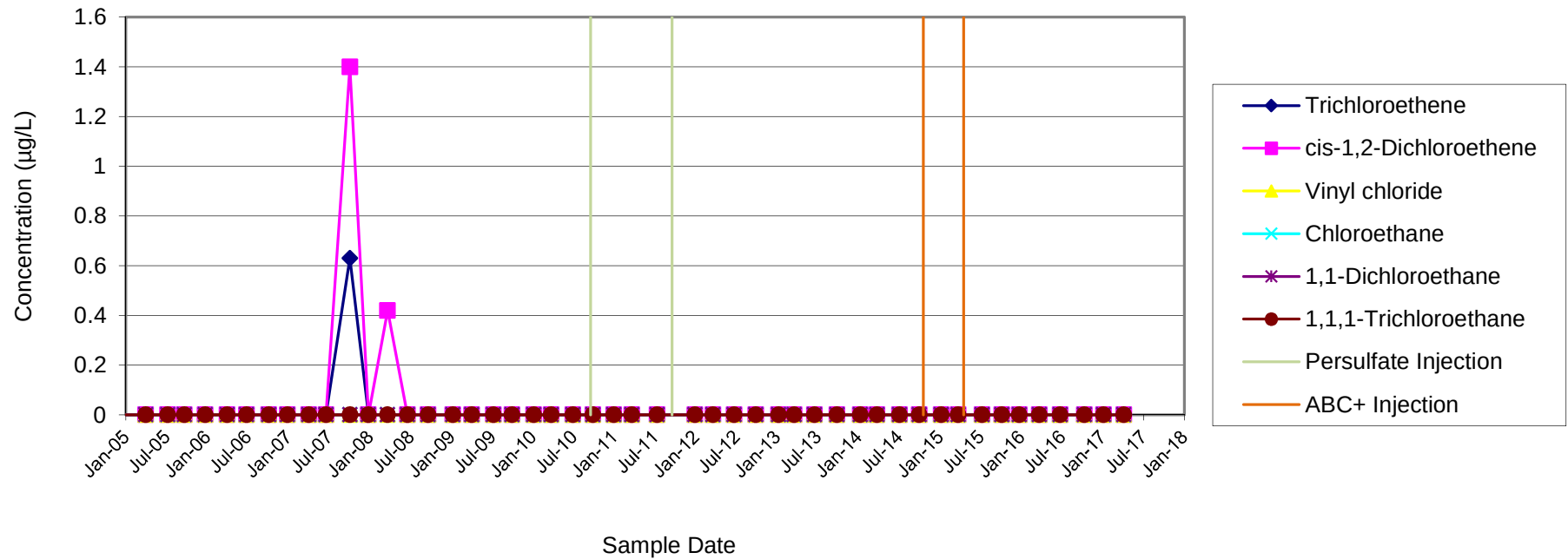
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

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

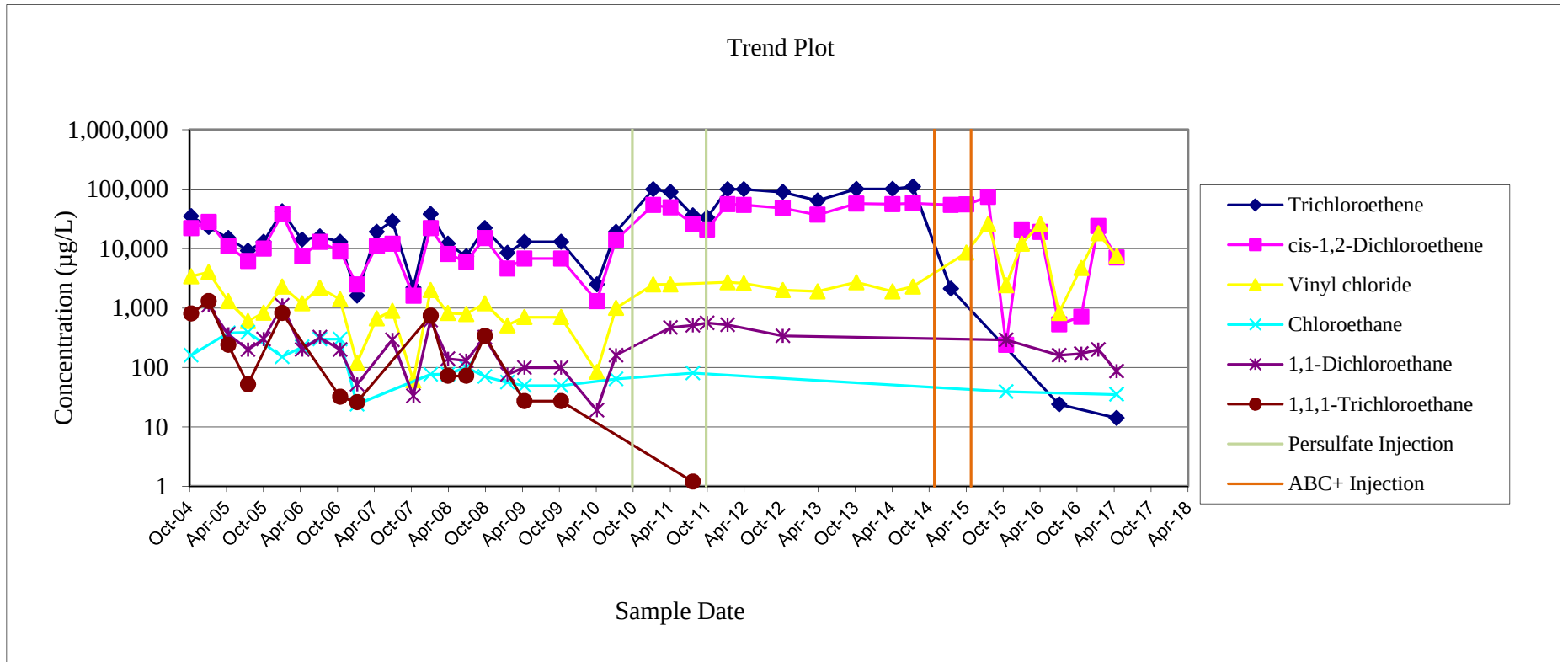
Trend Plot



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

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



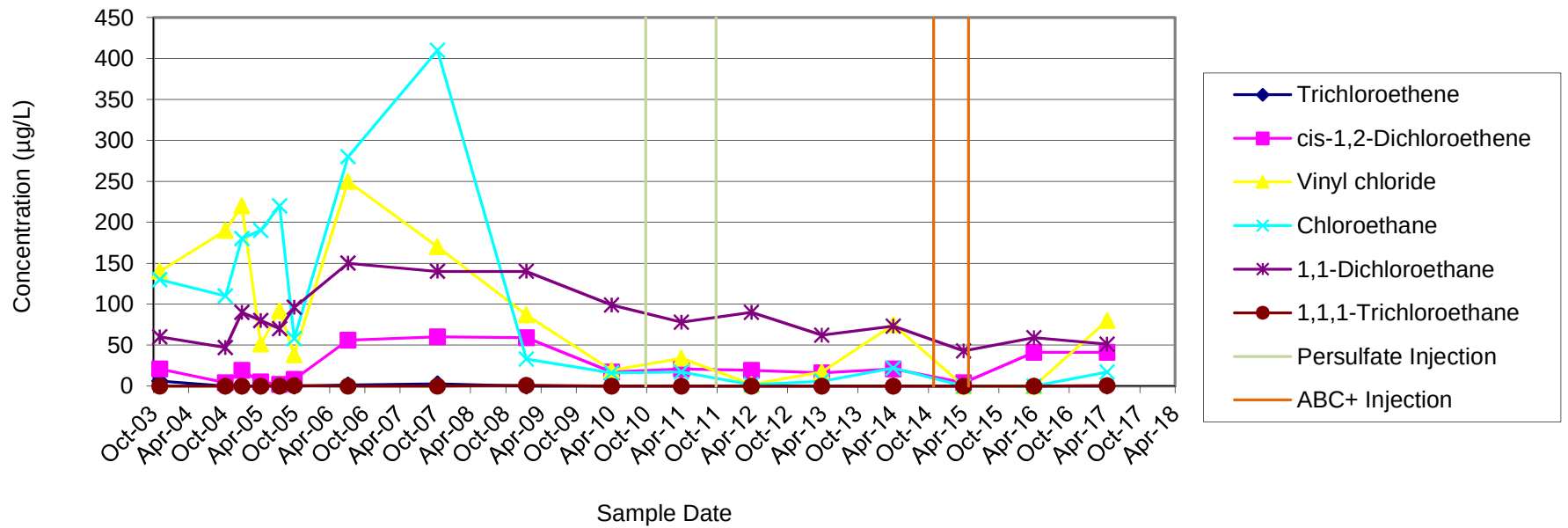
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

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

Trend Plot

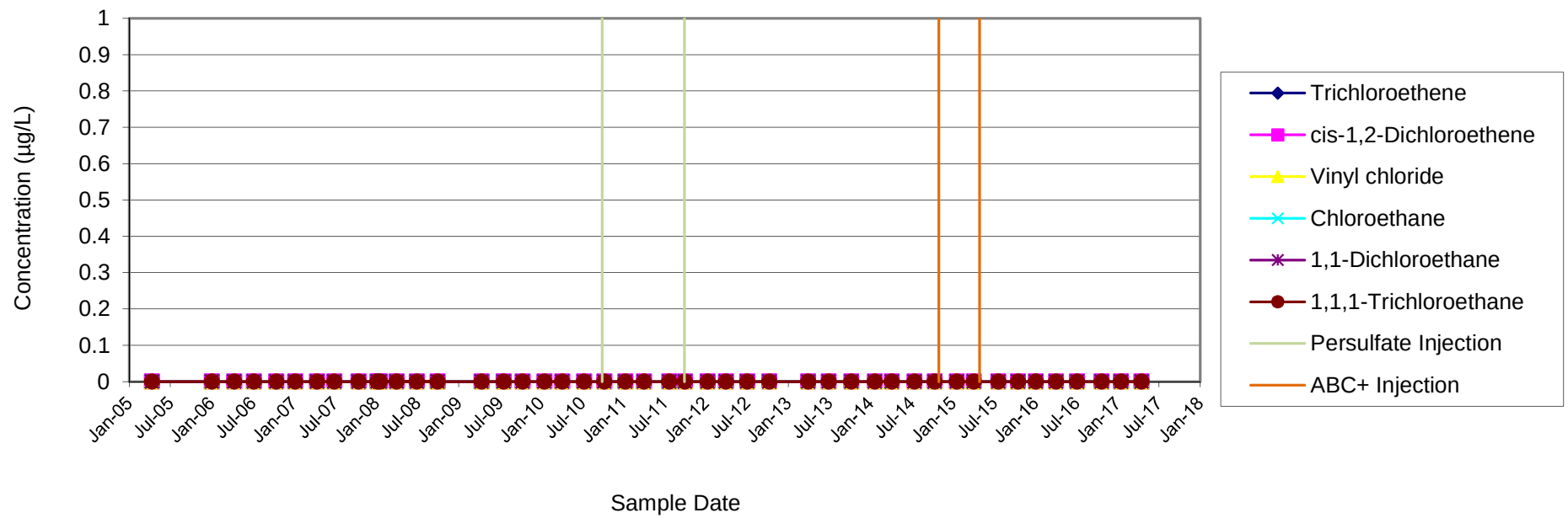


MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

Trend Plot

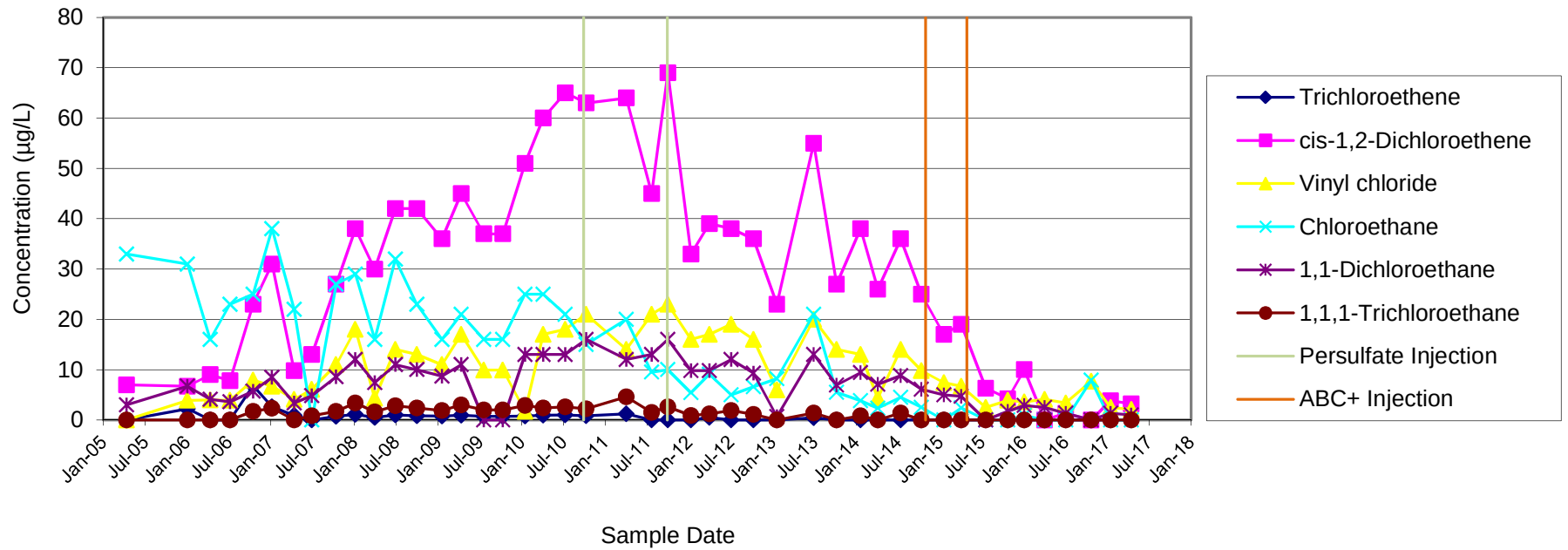


MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

Trend Plot

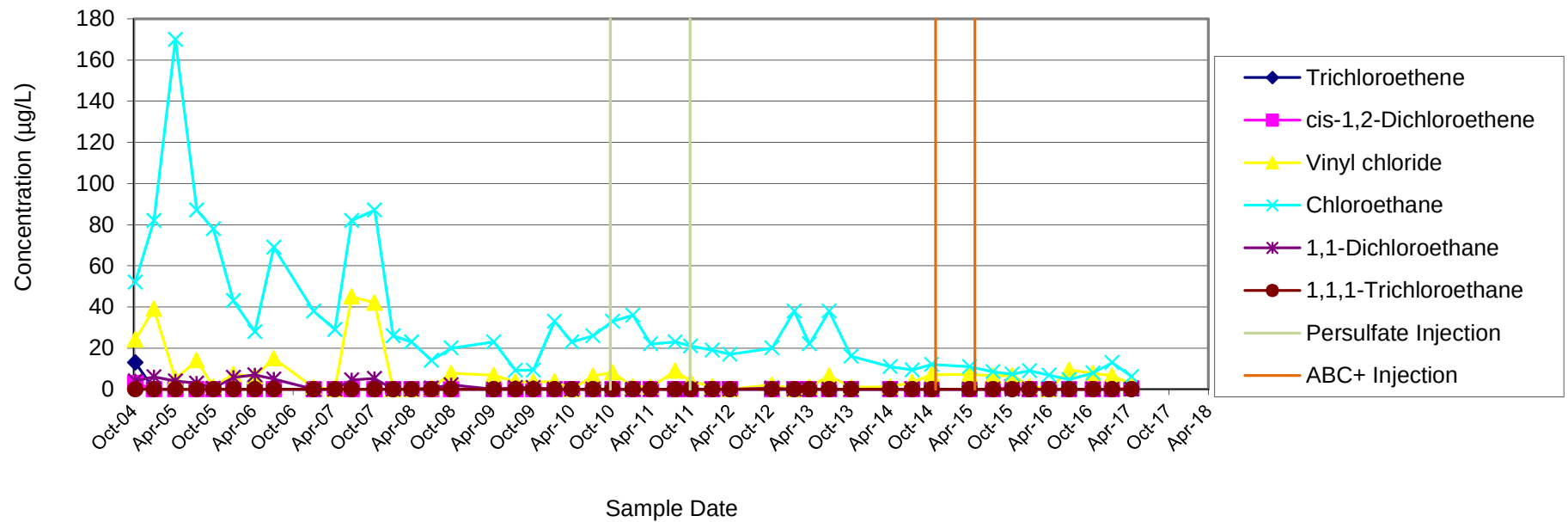


MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

Trend Plot

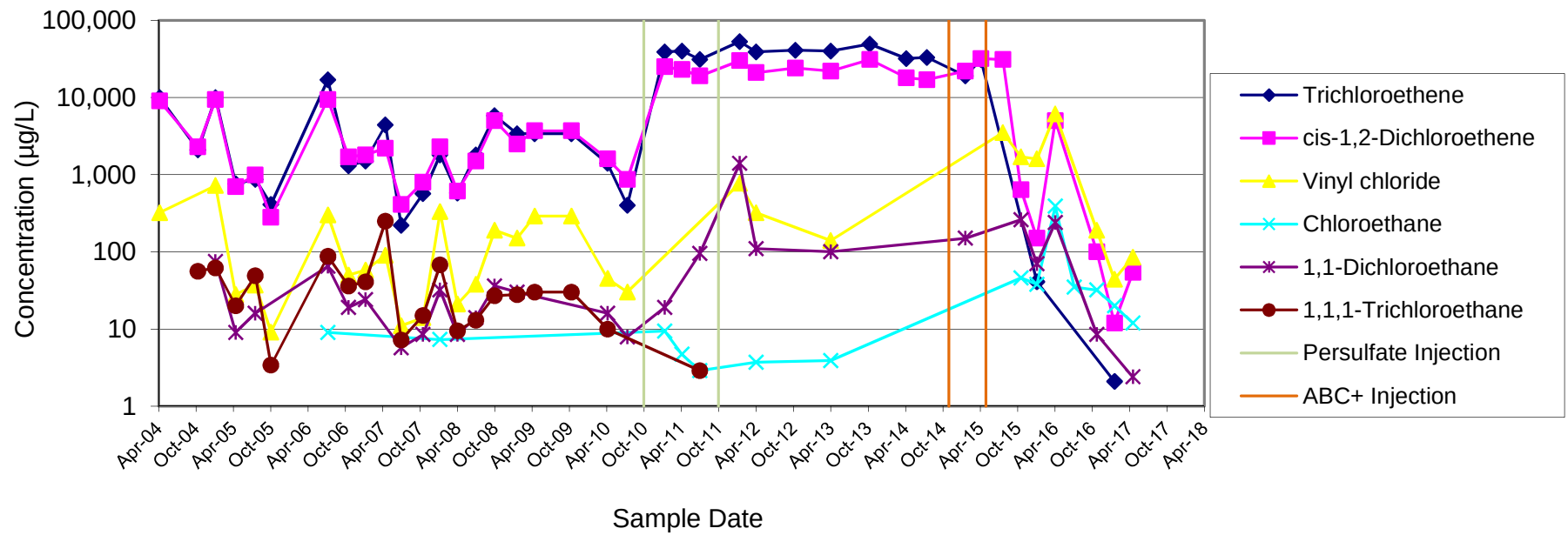


PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

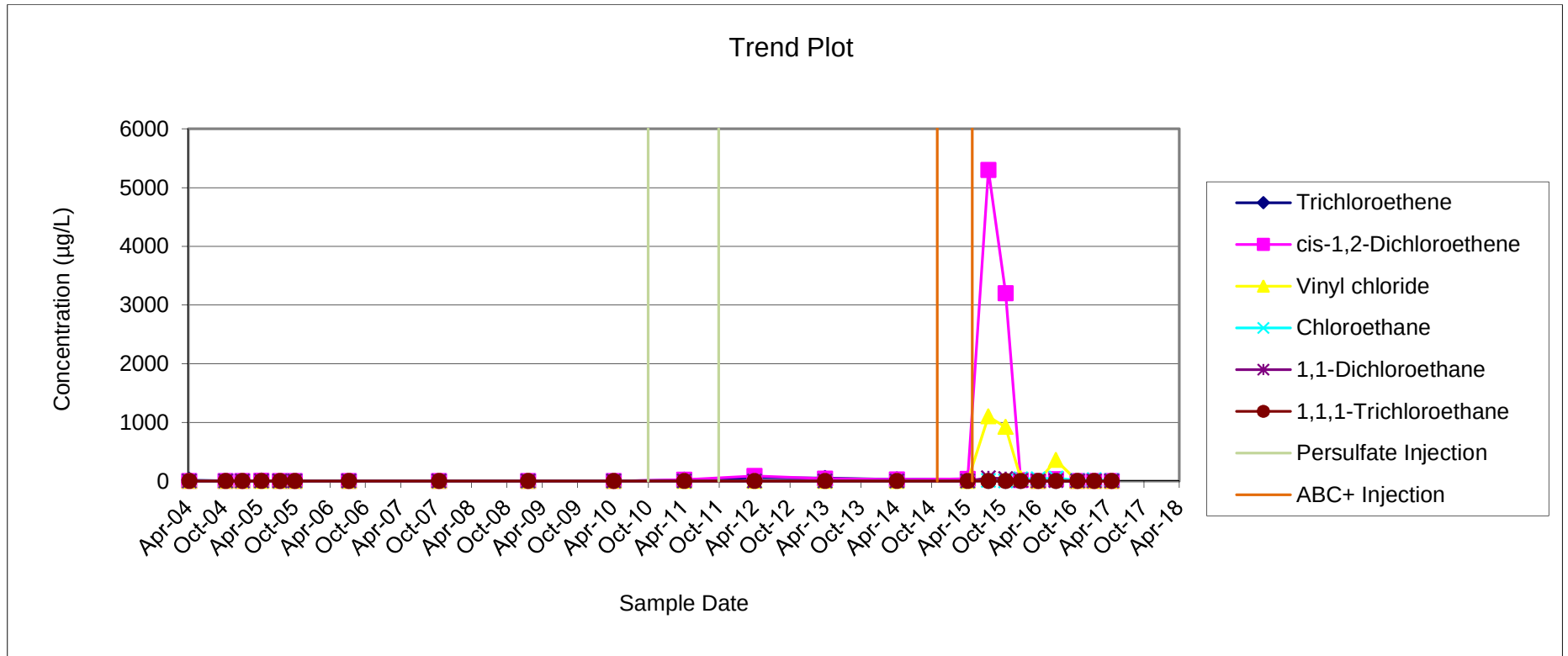
Trend Plot



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	5,300	1,100	11	56	<1
10/20/2015	<100	3,200	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

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

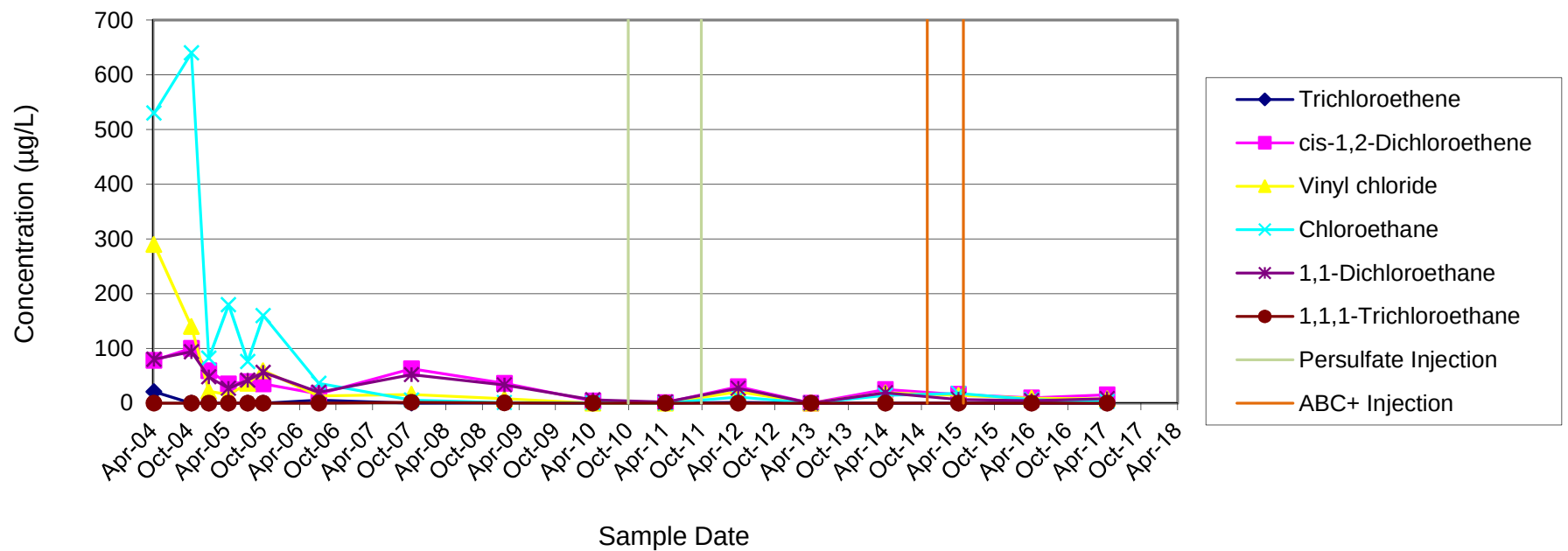


PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

Trend Plot

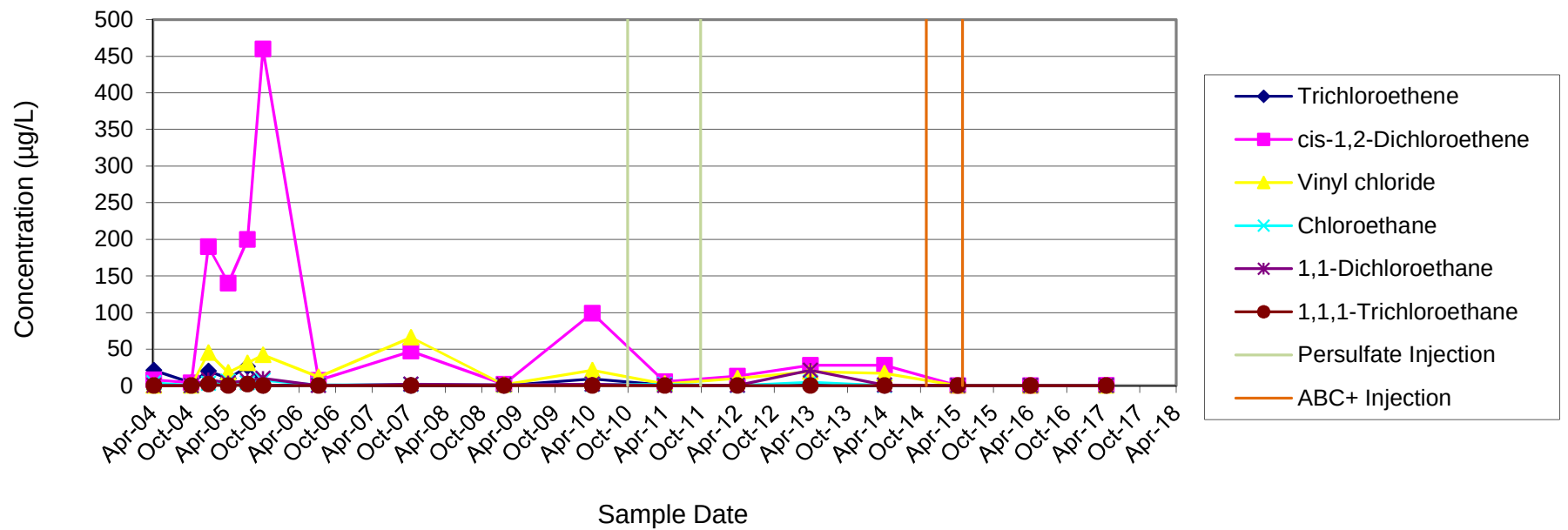


PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

Trend Plot

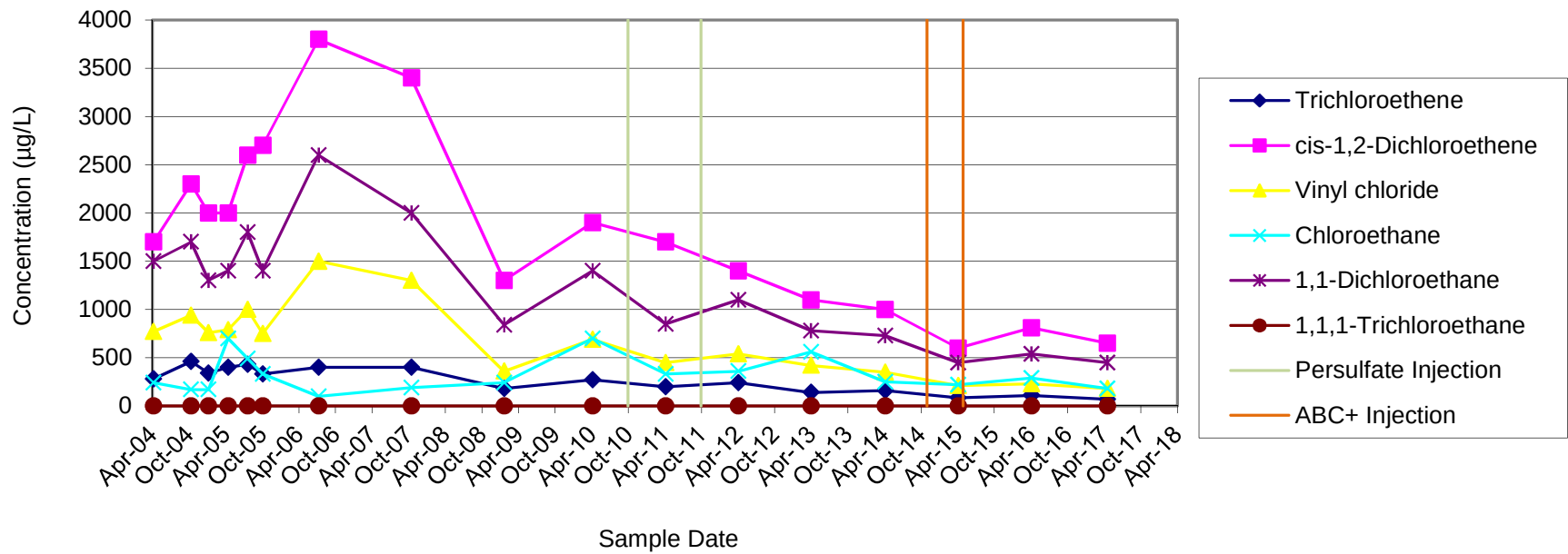


PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

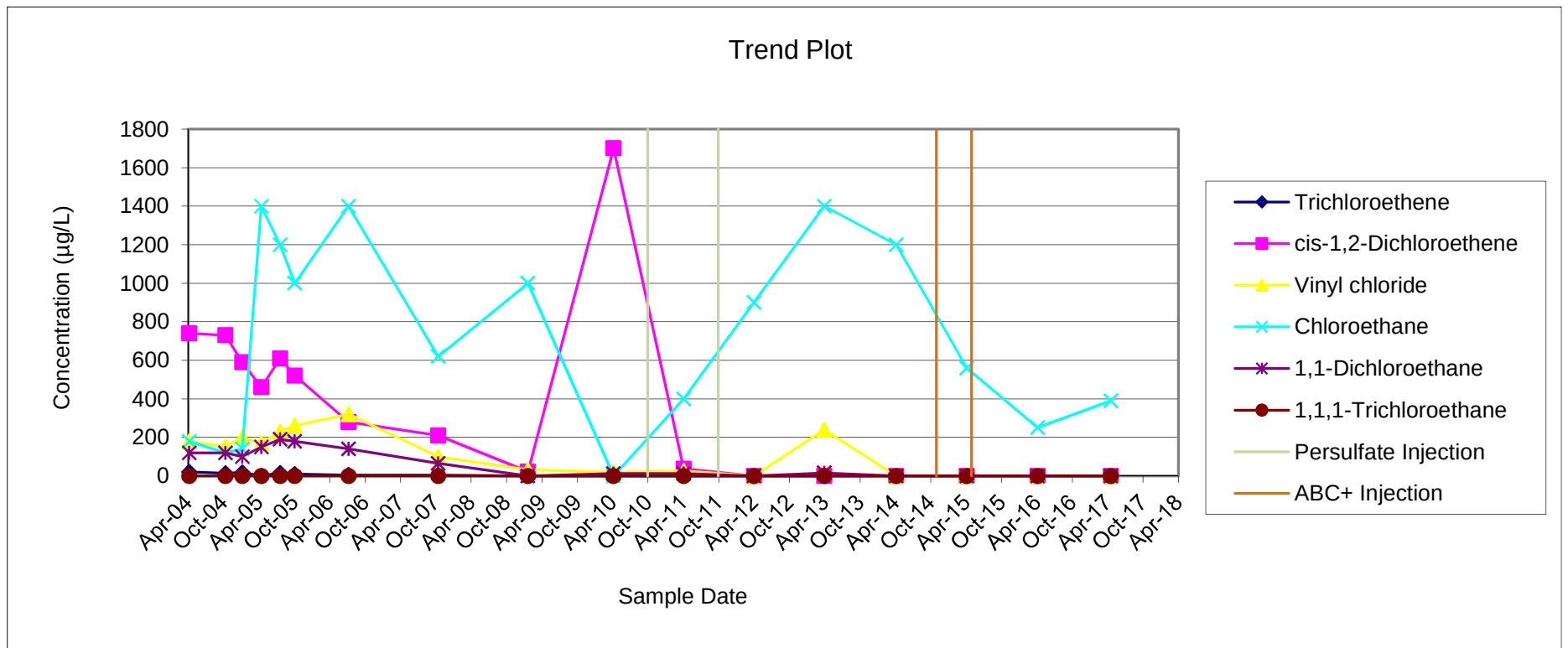
Trend Plot



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

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

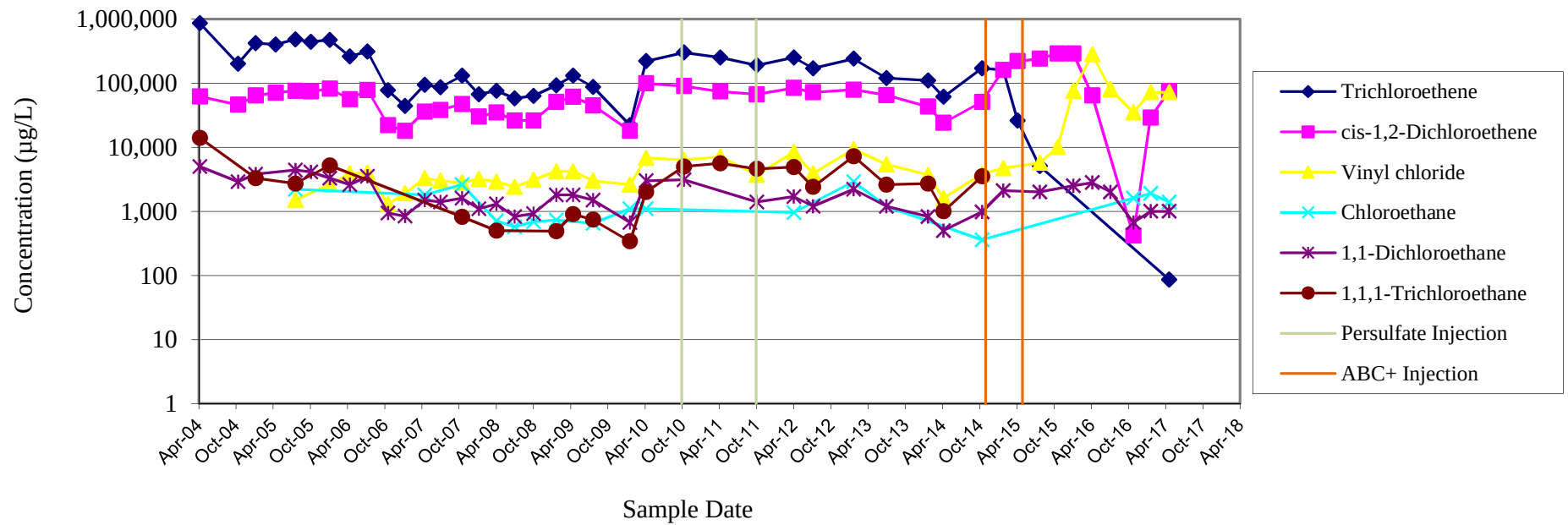


PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

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

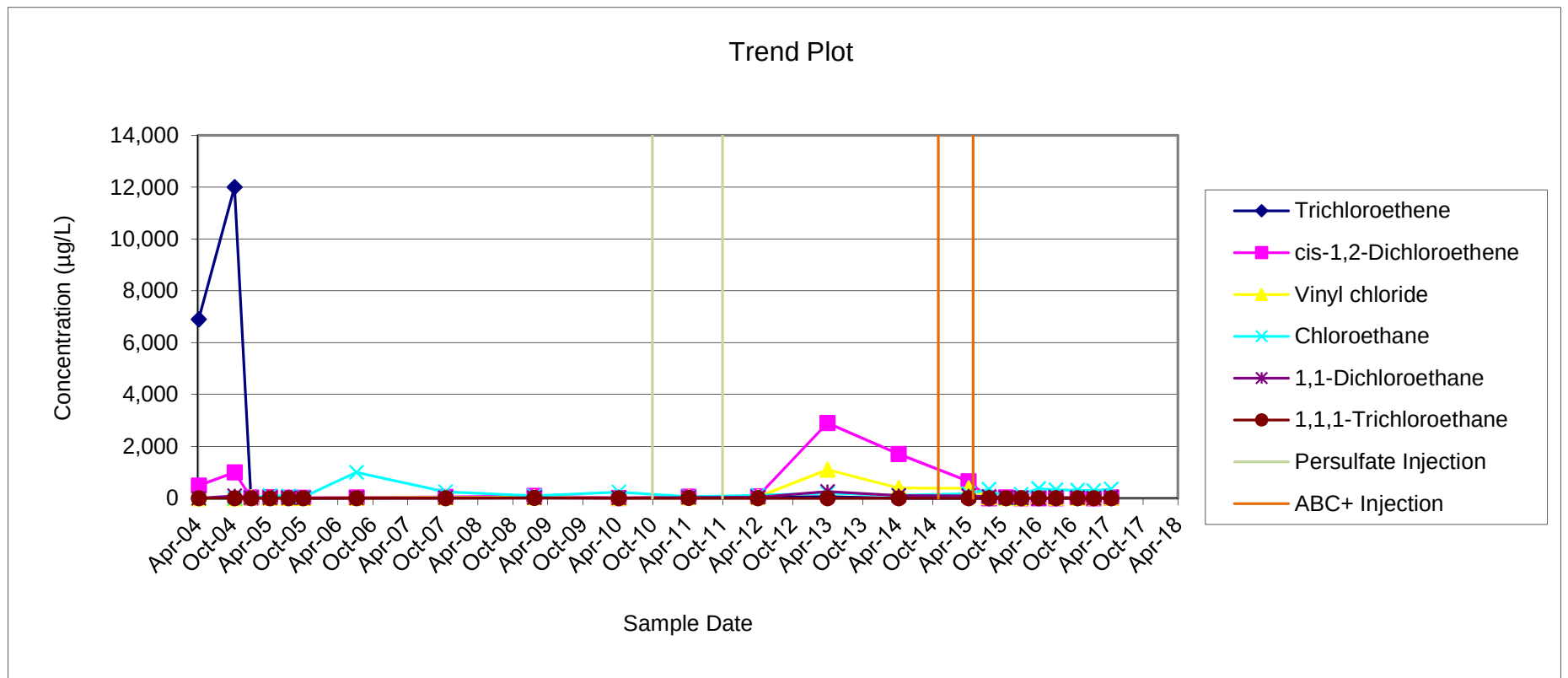
Trend Plot



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

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: 200-38250-1

Client Project/Site: Scott Figgie West of Plant 2

For:

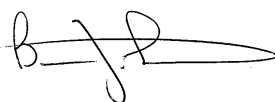
AECOM, Inc.

257 West Genesee Street

Suite 400

Buffalo, New York 14202-2657

Attn: Mr. Dino Zack



Authorized for release by:

4/25/2017 10:23:51 AM

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

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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, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-38250-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-38250-1

Job ID: 200-38250-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-38250-1

Comments

No additional comments.

Receipt

The samples were received on 4/15/2017 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Air Toxics

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

Client Sample Results

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: AS EFFLUENT 2Q17

Lab Sample ID: 200-38250-1

Date Collected: 04/13/17 09:00

Matrix: Air

Date Received: 04/15/17 09:35

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
1,2,4-Trimethylbenzene	0.20		0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dichloroethene, Total	0.41		0.40	0.40	ppb v/v			04/21/17 22:28	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,3-Dichlorobenzene	0.82		0.20	0.20	ppb v/v			04/21/17 22:28	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			04/21/17 22:28	1
2,2,4-Trimethylpentane	0.32		0.20	0.20	ppb v/v			04/21/17 22:28	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Acetone	19		5.0	5.0	ppb v/v			04/21/17 22:28	1
Benzene	0.42		0.20	0.20	ppb v/v			04/21/17 22:28	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Carbon disulfide	0.73		0.50	0.50	ppb v/v			04/21/17 22:28	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Chloroethane	5.5		0.50	0.50	ppb v/v			04/21/17 22:28	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Chloromethane	1.4		0.50	0.50	ppb v/v			04/21/17 22:28	1
cis-1,2-Dichloroethene	0.41		0.20	0.20	ppb v/v			04/21/17 22:28	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Isopropyl alcohol	6.9		5.0	5.0	ppb v/v			04/21/17 22:28	1
m,p-Xylene	0.59		0.50	0.50	ppb v/v			04/21/17 22:28	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
Methyl Ethyl Ketone	3.5		0.50	0.50	ppb v/v			04/21/17 22:28	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: AS EFFLUENT 2Q17

Lab Sample ID: 200-38250-1

Date Collected: 04/13/17 09:00

Matrix: Air

Date Received: 04/15/17 09:35

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			04/21/17 22:28	1
n-Heptane	0.36		0.20	0.20	ppb v/v			04/21/17 22:28	1
n-Hexane	0.66		0.20	0.20	ppb v/v			04/21/17 22:28	1
Styrene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			04/21/17 22:28	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			04/21/17 22:28	1
Toluene	1.0		0.20	0.20	ppb v/v			04/21/17 22:28	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Trichlorofluoromethane	0.20		0.20	0.20	ppb v/v			04/21/17 22:28	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Xylene (total)	0.80		0.70	0.70	ppb v/v			04/21/17 22:28	1
Xylene, o-	0.21		0.20	0.20	ppb v/v			04/21/17 22:28	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			04/21/17 22:28	1
1,1,1,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			04/21/17 22:28	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			04/21/17 22:28	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			04/21/17 22:28	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			04/21/17 22:28	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			04/21/17 22:28	1
1,2,4-Trimethylbenzene	0.97		0.98	0.98	ug/m3			04/21/17 22:28	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			04/21/17 22:28	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			04/21/17 22:28	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			04/21/17 22:28	1
1,2-Dichloroethene, Total	1.6		1.6	1.6	ug/m3			04/21/17 22:28	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			04/21/17 22:28	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			04/21/17 22:28	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			04/21/17 22:28	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			04/21/17 22:28	1
1,3-Dichlorobenzene	4.9		1.2	1.2	ug/m3			04/21/17 22:28	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			04/21/17 22:28	1
1,4-Dioxane	18	U	18	18	ug/m3			04/21/17 22:28	1
2,2,4-Trimethylpentane	1.5		0.93	0.93	ug/m3			04/21/17 22:28	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			04/21/17 22:28	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			04/21/17 22:28	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			04/21/17 22:28	1
Acetone	46		12	12	ug/m3			04/21/17 22:28	1
Benzene	1.3		0.64	0.64	ug/m3			04/21/17 22:28	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			04/21/17 22:28	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			04/21/17 22:28	1
Bromoform	2.1	U	2.1	2.1	ug/m3			04/21/17 22:28	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			04/21/17 22:28	1
Carbon disulfide	2.3		1.6	1.6	ug/m3			04/21/17 22:28	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			04/21/17 22:28	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			04/21/17 22:28	1
Chloroethane	14		1.3	1.3	ug/m3			04/21/17 22:28	1

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: AS EFFLUENT 2Q17

Lab Sample ID: 200-38250-1

Date Collected: 04/13/17 09:00

Matrix: Air

Date Received: 04/15/17 09:35

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			04/21/17 22:28	1
Chloromethane	2.8		1.0	1.0	ug/m3			04/21/17 22:28	1
cis-1,2-Dichloroethene	1.6		0.79	0.79	ug/m3			04/21/17 22:28	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			04/21/17 22:28	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			04/21/17 22:28	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			04/21/17 22:28	1
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			04/21/17 22:28	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			04/21/17 22:28	1
Freon TF	1.5	U	1.5	1.5	ug/m3			04/21/17 22:28	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			04/21/17 22:28	1
Isopropyl alcohol	17		12	12	ug/m3			04/21/17 22:28	1
m,p-Xylene	2.6		2.2	2.2	ug/m3			04/21/17 22:28	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			04/21/17 22:28	1
Methyl Ethyl Ketone	10		1.5	1.5	ug/m3			04/21/17 22:28	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			04/21/17 22:28	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			04/21/17 22:28	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			04/21/17 22:28	1
n-Heptane	1.5		0.82	0.82	ug/m3			04/21/17 22:28	1
n-Hexane	2.3		0.70	0.70	ug/m3			04/21/17 22:28	1
Styrene	0.85	U	0.85	0.85	ug/m3			04/21/17 22:28	1
tert-Butyl alcohol	15	U	15	15	ug/m3			04/21/17 22:28	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			04/21/17 22:28	1
Tetrahydrofuran	15	U	15	15	ug/m3			04/21/17 22:28	1
Toluene	3.8		0.75	0.75	ug/m3			04/21/17 22:28	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			04/21/17 22:28	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			04/21/17 22:28	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			04/21/17 22:28	1
Trichlorofluoromethane	1.1		1.1	1.1	ug/m3			04/21/17 22:28	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			04/21/17 22:28	1
Xylene (total)	3.5		3.0	3.0	ug/m3			04/21/17 22:28	1
Xylene, o-	0.92		0.87	0.87	ug/m3			04/21/17 22:28	1

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: LRP EFFLUENT 2Q17

Lab Sample ID: 200-38250-2

Date Collected: 04/13/17 09:05

Matrix: Air

Date Received: 04/15/17 09:35

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,1,2,2-Tetrachloroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,1,2-Trichloroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,1-Dichloroethane	6.4		5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,1-Dichloroethene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2,4-Trichlorobenzene	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
1,2,4-Trimethylbenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dibromoethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dichlorobenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dichloroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dichloroethene, Total	670		10	10	ppb v/v			04/21/17 23:19	25.2
1,2-Dichloropropane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dichlorotetrafluoroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,3,5-Trimethylbenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,3-Butadiene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,3-Dichlorobenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,4-Dichlorobenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,4-Dioxane	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
2,2,4-Trimethylpentane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
2-Chlorotoluene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
3-Chloropropene	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
4-Ethyltoluene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Acetone	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
Benzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Bromodichloromethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Bromoethene(Vinyl Bromide)	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Bromoform	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Bromomethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Carbon disulfide	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Carbon tetrachloride	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Chlorobenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Chloroethane	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Chloroform	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Chloromethane	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
cis-1,2-Dichloroethene	670		5.0	5.0	ppb v/v			04/21/17 23:19	25.2
cis-1,3-Dichloropropene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Cyclohexane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Dibromochloromethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Dichlorodifluoromethane	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Ethylbenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Freon TF	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Hexachlorobutadiene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Isopropyl alcohol	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
m,p-Xylene	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Methyl Butyl Ketone (2-Hexanone)	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Methyl Ethyl Ketone	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
methyl isobutyl ketone	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Methyl tert-butyl ether	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: LRP EFFLUENT 2Q17

Lab Sample ID: 200-38250-2

Date Collected: 04/13/17 09:05

Matrix: Air

Date Received: 04/15/17 09:35

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	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
n-Heptane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
n-Hexane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Styrene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
tert-Butyl alcohol	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
Tetrachloroethene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Tetrahydrofuran	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
Toluene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
trans-1,2-Dichloroethene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
trans-1,3-Dichloropropene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Trichloroethene	21		5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Trichlorofluoromethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Vinyl chloride	330		5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Xylene (total)	18	U	18	18	ppb v/v			04/21/17 23:19	25.2
Xylene, o-	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	28	U	28	28	ug/m3			04/21/17 23:19	25.2
1,1,2,2-Tetrachloroethane	35	U	35	35	ug/m3			04/21/17 23:19	25.2
1,1,2-Trichloroethane	28	U	28	28	ug/m3			04/21/17 23:19	25.2
1,1-Dichloroethane	26		20	20	ug/m3			04/21/17 23:19	25.2
1,1-Dichloroethene	20	U	20	20	ug/m3			04/21/17 23:19	25.2
1,2,4-Trichlorobenzene	94	U	94	94	ug/m3			04/21/17 23:19	25.2
1,2,4-Trimethylbenzene	25	U	25	25	ug/m3			04/21/17 23:19	25.2
1,2-Dibromoethane	39	U	39	39	ug/m3			04/21/17 23:19	25.2
1,2-Dichlorobenzene	30	U	30	30	ug/m3			04/21/17 23:19	25.2
1,2-Dichloroethane	20	U	20	20	ug/m3			04/21/17 23:19	25.2
1,2-Dichloroethene, Total	2700		40	40	ug/m3			04/21/17 23:19	25.2
1,2-Dichloropropane	23	U	23	23	ug/m3			04/21/17 23:19	25.2
1,2-Dichlorotetrafluoroethane	35	U	35	35	ug/m3			04/21/17 23:19	25.2
1,3,5-Trimethylbenzene	25	U	25	25	ug/m3			04/21/17 23:19	25.2
1,3-Butadiene	11	U	11	11	ug/m3			04/21/17 23:19	25.2
1,3-Dichlorobenzene	30	U	30	30	ug/m3			04/21/17 23:19	25.2
1,4-Dichlorobenzene	30	U	30	30	ug/m3			04/21/17 23:19	25.2
1,4-Dioxane	450	U	450	450	ug/m3			04/21/17 23:19	25.2
2,2,4-Trimethylpentane	24	U	24	24	ug/m3			04/21/17 23:19	25.2
2-Chlorotoluene	26	U	26	26	ug/m3			04/21/17 23:19	25.2
3-Chloropropene	39	U	39	39	ug/m3			04/21/17 23:19	25.2
4-Ethyltoluene	25	U	25	25	ug/m3			04/21/17 23:19	25.2
Acetone	300	U	300	300	ug/m3			04/21/17 23:19	25.2
Benzene	16	U	16	16	ug/m3			04/21/17 23:19	25.2
Bromodichloromethane	34	U	34	34	ug/m3			04/21/17 23:19	25.2
Bromoethene(Vinyl Bromide)	22	U	22	22	ug/m3			04/21/17 23:19	25.2
Bromoform	52	U	52	52	ug/m3			04/21/17 23:19	25.2
Bromomethane	20	U	20	20	ug/m3			04/21/17 23:19	25.2
Carbon disulfide	39	U	39	39	ug/m3			04/21/17 23:19	25.2
Carbon tetrachloride	32	U	32	32	ug/m3			04/21/17 23:19	25.2
Chlorobenzene	23	U	23	23	ug/m3			04/21/17 23:19	25.2
Chloroethane	33	U	33	33	ug/m3			04/21/17 23:19	25.2

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: LRP EFFLUENT 2Q17

Lab Sample ID: 200-38250-2

Date Collected: 04/13/17 09:05

Matrix: Air

Date Received: 04/15/17 09:35

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	25	U	25	25	ug/m3			04/21/17 23:19	25.2
Chloromethane	26	U	26	26	ug/m3			04/21/17 23:19	25.2
cis-1,2-Dichloroethene	2600		20	20	ug/m3			04/21/17 23:19	25.2
cis-1,3-Dichloropropene	23	U	23	23	ug/m3			04/21/17 23:19	25.2
Cyclohexane	17	U	17	17	ug/m3			04/21/17 23:19	25.2
Dibromochloromethane	43	U	43	43	ug/m3			04/21/17 23:19	25.2
Dichlorodifluoromethane	62	U	62	62	ug/m3			04/21/17 23:19	25.2
Ethylbenzene	22	U	22	22	ug/m3			04/21/17 23:19	25.2
Freon TF	39	U	39	39	ug/m3			04/21/17 23:19	25.2
Hexachlorobutadiene	54	U	54	54	ug/m3			04/21/17 23:19	25.2
Isopropyl alcohol	310	U	310	310	ug/m3			04/21/17 23:19	25.2
m,p-Xylene	55	U	55	55	ug/m3			04/21/17 23:19	25.2
Methyl Butyl Ketone (2-Hexanone)	52	U	52	52	ug/m3			04/21/17 23:19	25.2
Methyl Ethyl Ketone	37	U	37	37	ug/m3			04/21/17 23:19	25.2
methyl isobutyl ketone	52	U	52	52	ug/m3			04/21/17 23:19	25.2
Methyl tert-butyl ether	18	U	18	18	ug/m3			04/21/17 23:19	25.2
Methylene Chloride	44	U	44	44	ug/m3			04/21/17 23:19	25.2
n-Heptane	21	U	21	21	ug/m3			04/21/17 23:19	25.2
n-Hexane	18	U	18	18	ug/m3			04/21/17 23:19	25.2
Styrene	21	U	21	21	ug/m3			04/21/17 23:19	25.2
tert-Butyl alcohol	380	U	380	380	ug/m3			04/21/17 23:19	25.2
Tetrachloroethene	34	U	34	34	ug/m3			04/21/17 23:19	25.2
Tetrahydrofuran	370	U	370	370	ug/m3			04/21/17 23:19	25.2
Toluene	19	U	19	19	ug/m3			04/21/17 23:19	25.2
trans-1,2-Dichloroethene	20	U	20	20	ug/m3			04/21/17 23:19	25.2
trans-1,3-Dichloropropene	23	U	23	23	ug/m3			04/21/17 23:19	25.2
Trichloroethene	120		27	27	ug/m3			04/21/17 23:19	25.2
Trichlorofluoromethane	28	U	28	28	ug/m3			04/21/17 23:19	25.2
Vinyl chloride	840		13	13	ug/m3			04/21/17 23:19	25.2
Xylene (total)	77	U	77	77	ug/m3			04/21/17 23:19	25.2
Xylene, o-	22	U	22	22	ug/m3			04/21/17 23:19	25.2

TestAmerica Burlington

Lab Chronicle

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: AS EFFLUENT 2Q17

Date Collected: 04/13/17 09:00

Date Received: 04/15/17 09:35

Lab Sample ID: 200-38250-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	115999	04/21/17 22:28	P1M	TAL BUR

Client Sample ID: LRP EFFLUENT 2Q17

Date Collected: 04/13/17 09:05

Date Received: 04/15/17 09:35

Lab Sample ID: 200-38250-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		25.2	115999	04/21/17 23:19	P1M	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, Inc.

TestAmerica Job ID: 200-38250-1

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
Connecticut	State Program	1	PH-0751	09-30-17
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-02-18
Florida	NELAP	4	E87467	06-30-17
L-A-B	DoD ELAP		L2336	03-25-17 *
Maine	State Program	1	VT00008	04-17-17 *
Minnesota	NELAP	5	050-999-436	12-31-17
New Hampshire	NELAP	1	2006	12-18-17
New Jersey	NELAP	2	VT972	06-30-17 *
New York	NELAP	2	10391	04-01-17 *
Pennsylvania	NELAP	3	68-00489	04-30-17 *
Rhode Island	State Program	1	LAO00298	12-30-17
US Fish & Wildlife	Federal		LE-058448-0	10-31-17
USDA	Federal		P330-11-00093	12-05-19
Vermont	State Program	1	VT-4000	12-31-17
Virginia	NELAP	3	460209	12-14-17

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, Inc.

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-38250-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 200-38250-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-38250-1	AS EFFLUENT 2Q17	Air	04/13/17 09:00	04/15/17 09:35
200-38250-2	LRP EFFLUENT 2Q17	Air	04/13/17 09:05	04/15/17 09:35

Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

[illegible]

Lab Use Only

Shipper Name: C. Bronson

Opened by: CS Condition: intact

ORIGIN ID:DKKA (216) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST, NY 14228
UNITED STATES US

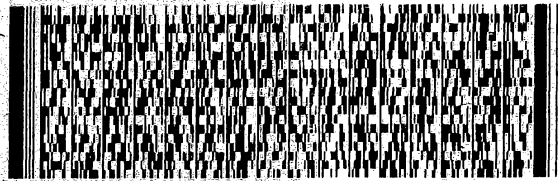
SHIP DATE: 14APR17
ACTWGT: 13.05 LB
CAD: 846654/CAFE3011

BILL RECIPIENT

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

(802) 660-1990

DEPT: **SAMPLE CONTROL**



FedEx
Express



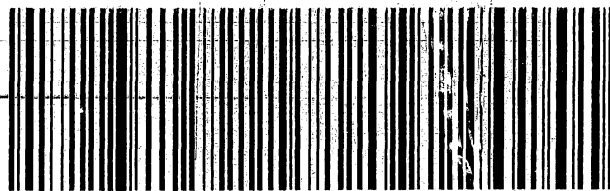
JT61218101001 BX

TRK# 5657 0121 9629
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

Part # 156148V-434 RIT2 APV EXP 12/17 :: **XO BTVA**

05403
VT-US **BTV**



Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-38250-1

Login Number: 38250

List Number: 1

Creator: Johnson, Eleanor E

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	066670
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	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	DLZ
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	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-38250-1

Login Number: 38250

List Number: 2

Creator: Johnson, Eleanor E

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	066670
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	No: Thermal preservation not required
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	DLZ
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	NA: No analysis requiring residual chlorine check assigned

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-116720-1

Client Project/Site: Scott Figgie West of Plant 2

For:

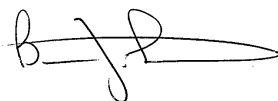
AECOM, Inc.

257 West Genesee Street

Suite 400

Buffalo, New York 14202-2657

Attn: Mr. Dino Zack



Authorized for release by:

5/5/2017 9:06:11 AM

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, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-116720-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-116720-1

Job ID: 480-116720-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-116720-1

Receipt

The samples were received on 4/21/2017 11:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 3.2° C.

GC/MS VOA

Method(s) 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 490-426462 recovered outside control limits for the following analytes: Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: DPT-1 (480-116720-17) and DPT-2 (480-116720-18). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples was diluted due to the nature of the sample matrix: heavily concentrated in target analytes MW-4 (480-116720-3), DPT-4 (480-116720-20) and DPT-8 (480-116720-23). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted due to the nature of the sample matrix: heavily concentrated in target analytes MW-16S (480-116720-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 490-426684 recovered outside control limits for the following analytes: Trichlorofluoromethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 490-426684 recovered outside control limits for the following analytes: Styrene and Ethylbenzene.

Method(s) 8260C: The following samples was diluted due to the nature of the sample matrix: MW-8R (480-116720-13), DPT-5 (480-116720-21) and MW-15S (480-116720-27). 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.

VOA Prep

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

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-2
Date Collected: 04/20/17 09:00
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-1
Matrix: Ground 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	0.19	ug/L			05/02/17 01:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 01:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 01:45	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 01:45	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/02/17 01:45	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/02/17 01:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 01:45	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 01:45	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 01:45	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 01:45	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/02/17 01:45	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 01:45	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 01:45	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 01:45	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 01:45	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 01:45	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 01:45	1
Acetone	ND		25	2.7	ug/L			05/02/17 01:45	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 01:45	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 01:45	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 01:45	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 01:45	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 01:45	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 01:45	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 01:45	1
Chloroethane	1.4		1.0	0.36	ug/L			05/02/17 01:45	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 01:45	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 01:45	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			05/02/17 01:45	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 01:45	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 01:45	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 01:45	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 01:45	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/02/17 01:45	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 01:45	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 01:45	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 01:45	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 01:45	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 01:45	1
Styrene	ND		1.0	0.28	ug/L			05/02/17 01:45	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 01:45	1
Toluene	ND		1.0	0.17	ug/L			05/02/17 01:45	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/02/17 01:45	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 01:45	1
Trichloroethene	ND		1.0	0.20	ug/L			05/02/17 01:45	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/02/17 01:45	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/02/17 01:45	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 01:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-2

Date Collected: 04/20/17 09:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-1

Matrix: Ground 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)	103		70 - 130		05/02/17 01:45	1
4-Bromofluorobenzene (Surr)	113		70 - 130		05/02/17 01:45	1
Toluene-d8 (Surr)	97		70 - 130		05/02/17 01:45	1
Dibromofluoromethane (Surr)	100		70 - 130		05/02/17 01:45	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-3
Date Collected: 04/20/17 10:00
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-2
Matrix: Ground 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	0.19	ug/L			05/02/17 02:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 02:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 02:11	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 02:11	1
1,1-Dichloroethane	5.1		1.0	0.24	ug/L			05/02/17 02:11	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/02/17 02:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 02:11	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 02:11	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 02:11	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 02:11	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/02/17 02:11	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 02:11	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 02:11	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 02:11	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 02:11	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 02:11	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 02:11	1
Acetone	ND		25	2.7	ug/L			05/02/17 02:11	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 02:11	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 02:11	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 02:11	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 02:11	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 02:11	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 02:11	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 02:11	1
Chloroethane	1.8		1.0	0.36	ug/L			05/02/17 02:11	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 02:11	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 02:11	1
cis-1,2-Dichloroethene	1.2		1.0	0.21	ug/L			05/02/17 02:11	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 02:11	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 02:11	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 02:11	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 02:11	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/02/17 02:11	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 02:11	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 02:11	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 02:11	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 02:11	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 02:11	1
Styrene	ND		1.0	0.28	ug/L			05/02/17 02:11	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 02:11	1
Toluene	ND		1.0	0.17	ug/L			05/02/17 02:11	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/02/17 02:11	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 02:11	1
Trichloroethene	ND		1.0	0.20	ug/L			05/02/17 02:11	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/02/17 02:11	1
Vinyl chloride	21		1.0	0.18	ug/L			05/02/17 02:11	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 02:11	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-3

Date Collected: 04/20/17 10:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-2

Matrix: Ground 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)	106		70 - 130		05/02/17 02:11	1
4-Bromofluorobenzene (Surr)	99		70 - 130		05/02/17 02:11	1
Toluene-d8 (Surr)	98		70 - 130		05/02/17 02:11	1
Dibromofluoromethane (Surr)	101		70 - 130		05/02/17 02:11	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-4
Date Collected: 04/18/17 14:10
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-3
Matrix: Ground 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	0.95	ug/L			05/01/17 16:40	5
1,1,2,2-Tetrachloroethane	ND		5.0	0.95	ug/L			05/01/17 16:40	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.75	ug/L			05/01/17 16:40	5
1,1,2-Trichloroethane	ND		5.0	0.95	ug/L			05/01/17 16:40	5
1,1-Dichloroethane	71		5.0	1.2	ug/L			05/01/17 16:40	5
1,1-Dichloroethene	ND		5.0	1.3	ug/L			05/01/17 16:40	5
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/L			05/01/17 16:40	5
1,2-Dibromo-3-Chloropropane	ND		50	4.7	ug/L			05/01/17 16:40	5
1,2-Dibromoethane	ND		5.0	1.1	ug/L			05/01/17 16:40	5
1,2-Dichlorobenzene	ND		5.0	0.95	ug/L			05/01/17 16:40	5
1,2-Dichloroethane	ND		5.0	1.0	ug/L			05/01/17 16:40	5
1,2-Dichloropropane	ND		5.0	1.3	ug/L			05/01/17 16:40	5
1,3-Dichlorobenzene	ND		5.0	0.90	ug/L			05/01/17 16:40	5
1,4-Dichlorobenzene	ND		5.0	0.85	ug/L			05/01/17 16:40	5
2-Butanone (MEK)	380		250	13	ug/L			05/01/17 16:40	5
2-Hexanone	ND		50	6.4	ug/L			05/01/17 16:40	5
4-Methyl-2-pentanone (MIBK)	ND		50	4.1	ug/L			05/01/17 16:40	5
Acetone	230		130	13	ug/L			05/01/17 16:40	5
Benzene	3.1 J		5.0	1.0	ug/L			05/01/17 16:40	5
Bromodichloromethane	ND		5.0	0.85	ug/L			05/01/17 16:40	5
Bromoform	ND		5.0	1.5	ug/L			05/01/17 16:40	5
Bromomethane	ND		5.0	1.8	ug/L			05/01/17 16:40	5
Carbon disulfide	ND		5.0	1.1	ug/L			05/01/17 16:40	5
Carbon tetrachloride	ND		5.0	0.90	ug/L			05/01/17 16:40	5
Chlorobenzene	ND		5.0	0.90	ug/L			05/01/17 16:40	5
Chloroethane	450		5.0	1.8	ug/L			05/01/17 16:40	5
Chloroform	ND		5.0	1.2	ug/L			05/01/17 16:40	5
Chloromethane	ND		5.0	1.8	ug/L			05/01/17 16:40	5
cis-1,2-Dichloroethene	8.0		5.0	1.1	ug/L			05/01/17 16:40	5
cis-1,3-Dichloropropene	ND		5.0	0.85	ug/L			05/01/17 16:40	5
Cyclohexane	ND		25	0.65	ug/L			05/01/17 16:40	5
Dibromochloromethane	ND		5.0	1.3	ug/L			05/01/17 16:40	5
Dichlorodifluoromethane	ND		5.0	0.85	ug/L			05/01/17 16:40	5
Ethylbenzene	ND		5.0	0.95	ug/L			05/01/17 16:40	5
Isopropylbenzene	ND		5.0	1.7	ug/L			05/01/17 16:40	5
Methyl acetate	ND		50	2.9	ug/L			05/01/17 16:40	5
Methyl tert-butyl ether	ND		5.0	0.85	ug/L			05/01/17 16:40	5
Methylcyclohexane	ND		25	0.45	ug/L			05/01/17 16:40	5
Methylene Chloride	ND		25	5.0	ug/L			05/01/17 16:40	5
Styrene	ND		5.0	1.4	ug/L			05/01/17 16:40	5
Tetrachloroethene	ND		5.0	0.70	ug/L			05/01/17 16:40	5
Toluene	14		5.0	0.85	ug/L			05/01/17 16:40	5
trans-1,2-Dichloroethene	17		5.0	1.2	ug/L			05/01/17 16:40	5
trans-1,3-Dichloropropene	ND		5.0	0.85	ug/L			05/01/17 16:40	5
Trichloroethene	ND		5.0	1.0	ug/L			05/01/17 16:40	5
Trichlorofluoromethane	ND *		5.0	1.1	ug/L			05/01/17 16:40	5
Vinyl chloride	610		5.0	0.90	ug/L			05/01/17 16:40	5
Xylenes, Total	ND		15	2.9	ug/L			05/01/17 16:40	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-4
Date Collected: 04/18/17 14:10
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-3
Matrix: Ground 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)	105		70 - 130		05/01/17 16:40	5
4-Bromofluorobenzene (Surr)	104		70 - 130		05/01/17 16:40	5
Toluene-d8 (Surr)	97		70 - 130		05/01/17 16:40	5
Dibromofluoromethane (Surr)	100		70 - 130		05/01/17 16:40	5

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-6
Date Collected: 04/19/17 09:40
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-4
Matrix: Ground 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	0.19	ug/L			05/02/17 02:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 02:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 02:37	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 02:37	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/02/17 02:37	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/02/17 02:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 02:37	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 02:37	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 02:37	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 02:37	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/02/17 02:37	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 02:37	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 02:37	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 02:37	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 02:37	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 02:37	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 02:37	1
Acetone	ND		25	2.7	ug/L			05/02/17 02:37	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 02:37	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 02:37	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 02:37	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 02:37	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 02:37	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 02:37	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 02:37	1
Chloroethane	ND		1.0	0.36	ug/L			05/02/17 02:37	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 02:37	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 02:37	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			05/02/17 02:37	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 02:37	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 02:37	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 02:37	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 02:37	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/02/17 02:37	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 02:37	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 02:37	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 02:37	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 02:37	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 02:37	1
Styrene	ND		1.0	0.28	ug/L			05/02/17 02:37	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 02:37	1
Toluene	ND		1.0	0.17	ug/L			05/02/17 02:37	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/02/17 02:37	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 02:37	1
Trichloroethene	ND		1.0	0.20	ug/L			05/02/17 02:37	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/02/17 02:37	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/02/17 02:37	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 02:37	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-6

Date Collected: 04/19/17 09:40

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-4

Matrix: Ground 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)	106		70 - 130		05/02/17 02:37	1
4-Bromofluorobenzene (Surr)	101		70 - 130		05/02/17 02:37	1
Toluene-d8 (Surr)	96		70 - 130		05/02/17 02:37	1
Dibromofluoromethane (Surr)	100		70 - 130		05/02/17 02:37	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-10

Date Collected: 04/19/17 10:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-5

Matrix: Ground 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	0.19	ug/L			05/02/17 03:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 03:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 03:03	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 03:03	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/02/17 03:03	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/02/17 03:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 03:03	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 03:03	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 03:03	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 03:03	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/02/17 03:03	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 03:03	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 03:03	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 03:03	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 03:03	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 03:03	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 03:03	1
Acetone	ND		25	2.7	ug/L			05/02/17 03:03	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 03:03	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 03:03	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 03:03	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 03:03	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 03:03	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 03:03	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 03:03	1
Chloroethane	ND		1.0	0.36	ug/L			05/02/17 03:03	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 03:03	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 03:03	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			05/02/17 03:03	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 03:03	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 03:03	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 03:03	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 03:03	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/02/17 03:03	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 03:03	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 03:03	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 03:03	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 03:03	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 03:03	1
Styrene	ND		1.0	0.28	ug/L			05/02/17 03:03	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 03:03	1
Toluene	ND		1.0	0.17	ug/L			05/02/17 03:03	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/02/17 03:03	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 03:03	1
Trichloroethene	ND		1.0	0.20	ug/L			05/02/17 03:03	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/02/17 03:03	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/02/17 03:03	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 03:03	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-10

Date Collected: 04/19/17 10:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-5

Matrix: Ground 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)	104		70 - 130		05/02/17 03:03	1
4-Bromofluorobenzene (Surr)	100		70 - 130		05/02/17 03:03	1
Toluene-d8 (Surr)	99		70 - 130		05/02/17 03:03	1
Dibromofluoromethane (Surr)	98		70 - 130		05/02/17 03:03	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-11

Date Collected: 04/18/17 16:55

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-6

Matrix: Ground 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	0.19	ug/L			05/01/17 14:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 14:04	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 14:04	1
1,1-Dichloroethane	1.0		1.0	0.24	ug/L			05/01/17 14:04	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/01/17 14:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 14:04	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 14:04	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 14:04	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 14:04	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/01/17 14:04	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 14:04	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 14:04	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 14:04	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 14:04	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 14:04	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 14:04	1
Acetone	ND		25	2.7	ug/L			05/01/17 14:04	1
Benzene	ND		1.0	0.20	ug/L			05/01/17 14:04	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 14:04	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 14:04	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 14:04	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/01/17 14:04	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 14:04	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 14:04	1
Chloroethane	ND		1.0	0.36	ug/L			05/01/17 14:04	1
Chloroform	ND		1.0	0.23	ug/L			05/01/17 14:04	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 14:04	1
cis-1,2-Dichloroethene	3.2		1.0	0.21	ug/L			05/01/17 14:04	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 14:04	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 14:04	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 14:04	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 14:04	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 14:04	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 14:04	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 14:04	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 14:04	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 14:04	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 14:04	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 14:04	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 14:04	1
Toluene	ND		1.0	0.17	ug/L			05/01/17 14:04	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/01/17 14:04	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 14:04	1
Trichloroethene	ND		1.0	0.20	ug/L			05/01/17 14:04	1
Trichlorofluoromethane	ND *		1.0	0.21	ug/L			05/01/17 14:04	1
Vinyl chloride	2.1		1.0	0.18	ug/L			05/01/17 14:04	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 14:04	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-11

Date Collected: 04/18/17 16:55

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-6

Matrix: Ground 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)	107		70 - 130		05/01/17 14:04	1
4-Bromofluorobenzene (Surr)	114		70 - 130		05/01/17 14:04	1
Toluene-d8 (Surr)	97		70 - 130		05/01/17 14:04	1
Dibromofluoromethane (Surr)	100		70 - 130		05/01/17 14:04	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-12

Date Collected: 04/18/17 13:10

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-7

Matrix: Ground 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	0.19	ug/L			05/01/17 14:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 14:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 14:30	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 14:30	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/01/17 14:30	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/01/17 14:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 14:30	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 14:30	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 14:30	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 14:30	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/01/17 14:30	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 14:30	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 14:30	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 14:30	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 14:30	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 14:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 14:30	1
Acetone	ND		25	2.7	ug/L			05/01/17 14:30	1
Benzene	0.61	J	1.0	0.20	ug/L			05/01/17 14:30	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 14:30	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 14:30	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 14:30	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/01/17 14:30	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 14:30	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 14:30	1
Chloroethane	6.2		1.0	0.36	ug/L			05/01/17 14:30	1
Chloroform	ND		1.0	0.23	ug/L			05/01/17 14:30	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 14:30	1
cis-1,2-Dichloroethene	0.36	J	1.0	0.21	ug/L			05/01/17 14:30	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 14:30	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 14:30	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 14:30	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 14:30	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 14:30	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 14:30	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 14:30	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 14:30	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 14:30	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 14:30	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 14:30	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 14:30	1
Toluene	ND		1.0	0.17	ug/L			05/01/17 14:30	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/01/17 14:30	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 14:30	1
Trichloroethene	ND		1.0	0.20	ug/L			05/01/17 14:30	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/01/17 14:30	1
Vinyl chloride	2.6		1.0	0.18	ug/L			05/01/17 14:30	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 14:30	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-12

Date Collected: 04/18/17 13:10

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-7

Matrix: Ground 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)	104		70 - 130		05/01/17 14:30	1
4-Bromofluorobenzene (Surr)	104		70 - 130		05/01/17 14:30	1
Toluene-d8 (Surr)	98		70 - 130		05/01/17 14:30	1
Dibromofluoromethane (Surr)	100		70 - 130		05/01/17 14:30	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-16S

Date Collected: 04/20/17 08:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-8

Matrix: Ground 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		200	38	ug/L			05/02/17 08:15	200
1,1,2,2-Tetrachloroethane	ND		200	38	ug/L			05/02/17 08:15	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	30	ug/L			05/02/17 08:15	200
1,1,2-Trichloroethane	ND		200	38	ug/L			05/02/17 08:15	200
1,1-Dichloroethane	1000		200	48	ug/L			05/02/17 08:15	200
1,1-Dichloroethene	380		200	50	ug/L			05/02/17 08:15	200
1,2,4-Trichlorobenzene	ND		200	40	ug/L			05/02/17 08:15	200
1,2-Dibromo-3-Chloropropane	ND		2000	190	ug/L			05/02/17 08:15	200
1,2-Dibromoethane	ND		200	42	ug/L			05/02/17 08:15	200
1,2-Dichlorobenzene	ND		200	38	ug/L			05/02/17 08:15	200
1,2-Dichloroethane	ND		200	40	ug/L			05/02/17 08:15	200
1,2-Dichloropropane	ND		200	50	ug/L			05/02/17 08:15	200
1,3-Dichlorobenzene	ND		200	36	ug/L			05/02/17 08:15	200
1,4-Dichlorobenzene	ND		200	34	ug/L			05/02/17 08:15	200
2-Butanone (MEK)	ND		10000	530	ug/L			05/02/17 08:15	200
2-Hexanone	ND		2000	260	ug/L			05/02/17 08:15	200
4-Methyl-2-pentanone (MIBK)	ND		2000	160	ug/L			05/02/17 08:15	200
Acetone	ND		5000	530	ug/L			05/02/17 08:15	200
Benzene	ND		200	40	ug/L			05/02/17 08:15	200
Bromodichloromethane	ND		200	34	ug/L			05/02/17 08:15	200
Bromoform	ND		200	58	ug/L			05/02/17 08:15	200
Bromomethane	ND		200	70	ug/L			05/02/17 08:15	200
Carbon disulfide	ND		200	44	ug/L			05/02/17 08:15	200
Carbon tetrachloride	ND		200	36	ug/L			05/02/17 08:15	200
Chlorobenzene	ND		200	36	ug/L			05/02/17 08:15	200
Chloroethane	1400		200	72	ug/L			05/02/17 08:15	200
Chloroform	ND		200	46	ug/L			05/02/17 08:15	200
Chloromethane	ND		200	72	ug/L			05/02/17 08:15	200
cis-1,2-Dichloroethene	75000		200	42	ug/L			05/02/17 08:15	200
cis-1,3-Dichloropropene	ND		200	34	ug/L			05/02/17 08:15	200
Cyclohexane	ND		1000	26	ug/L			05/02/17 08:15	200
Dibromochloromethane	ND		200	50	ug/L			05/02/17 08:15	200
Dichlorodifluoromethane	ND		200	34	ug/L			05/02/17 08:15	200
Ethylbenzene	ND		200	38	ug/L			05/02/17 08:15	200
Isopropylbenzene	ND		200	66	ug/L			05/02/17 08:15	200
Methyl acetate	ND		2000	120	ug/L			05/02/17 08:15	200
Methyl tert-butyl ether	ND		200	34	ug/L			05/02/17 08:15	200
Methylcyclohexane	ND		1000	18	ug/L			05/02/17 08:15	200
Methylene Chloride	ND		1000	200	ug/L			05/02/17 08:15	200
Styrene	ND		200	56	ug/L			05/02/17 08:15	200
Tetrachloroethene	ND		200	28	ug/L			05/02/17 08:15	200
Toluene	740		200	34	ug/L			05/02/17 08:15	200
trans-1,2-Dichloroethene	1300		200	46	ug/L			05/02/17 08:15	200
trans-1,3-Dichloropropene	ND		200	34	ug/L			05/02/17 08:15	200
Trichloroethene	86 J		200	40	ug/L			05/02/17 08:15	200
Trichlorofluoromethane	ND		200	42	ug/L			05/02/17 08:15	200
Vinyl chloride	72000		200	36	ug/L			05/02/17 08:15	200
Xylenes, Total	ND		600	120	ug/L			05/02/17 08:15	200

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-16S

Date Collected: 04/20/17 08:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-8

Matrix: Ground 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)	103		70 - 130		05/02/17 08:15	200
4-Bromofluorobenzene (Surr)	101		70 - 130		05/02/17 08:15	200
Toluene-d8 (Surr)	94		70 - 130		05/02/17 08:15	200
Dibromofluoromethane (Surr)	100		70 - 130		05/02/17 08:15	200

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: Duplicate

Date Collected: 04/19/17 07:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 03:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 03:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 03:29	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 03:29	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/02/17 03:29	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/02/17 03:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 03:29	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 03:29	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 03:29	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 03:29	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/02/17 03:29	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 03:29	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 03:29	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 03:29	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 03:29	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 03:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 03:29	1
Acetone	ND		25	2.7	ug/L			05/02/17 03:29	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 03:29	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 03:29	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 03:29	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 03:29	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 03:29	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 03:29	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 03:29	1
Chloroethane	ND		1.0	0.36	ug/L			05/02/17 03:29	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 03:29	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 03:29	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			05/02/17 03:29	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 03:29	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 03:29	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 03:29	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 03:29	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/02/17 03:29	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 03:29	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 03:29	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 03:29	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 03:29	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 03:29	1
Styrene	ND		1.0	0.28	ug/L			05/02/17 03:29	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 03:29	1
Toluene	ND		1.0	0.17	ug/L			05/02/17 03:29	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/02/17 03:29	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 03:29	1
Trichloroethene	ND		1.0	0.20	ug/L			05/02/17 03:29	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/02/17 03:29	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/02/17 03:29	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 03:29	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: Duplicate

Date Collected: 04/19/17 07:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-9

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)	105		70 - 130		05/02/17 03:29	1
4-Bromofluorobenzene (Surr)	98		70 - 130		05/02/17 03:29	1
Toluene-d8 (Surr)	93		70 - 130		05/02/17 03:29	1
Dibromofluoromethane (Surr)	102		70 - 130		05/02/17 03:29	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-116720-10

Date Collected: 04/18/17 11:45

Matrix: Water

Date Received: 04/21/17 11:45

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	0.19	ug/L			05/01/17 13:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 13:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 13:38	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 13:38	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/01/17 13:38	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/01/17 13:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 13:38	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 13:38	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 13:38	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 13:38	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/01/17 13:38	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 13:38	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 13:38	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 13:38	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 13:38	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 13:38	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 13:38	1
Acetone	ND		25	2.7	ug/L			05/01/17 13:38	1
Benzene	ND		1.0	0.20	ug/L			05/01/17 13:38	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 13:38	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 13:38	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 13:38	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/01/17 13:38	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 13:38	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 13:38	1
Chloroethane	ND		1.0	0.36	ug/L			05/01/17 13:38	1
Chloroform	ND		1.0	0.23	ug/L			05/01/17 13:38	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 13:38	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			05/01/17 13:38	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 13:38	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 13:38	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 13:38	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 13:38	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 13:38	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 13:38	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 13:38	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 13:38	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 13:38	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 13:38	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 13:38	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 13:38	1
Toluene	ND		1.0	0.17	ug/L			05/01/17 13:38	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/01/17 13:38	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 13:38	1
Trichloroethene	ND		1.0	0.20	ug/L			05/01/17 13:38	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/01/17 13:38	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/01/17 13:38	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 13:38	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: Rinse Blank

Date Collected: 04/18/17 11:45

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-10

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)	104		70 - 130		05/01/17 13:38	1
4-Bromofluorobenzene (Surr)	107		70 - 130		05/01/17 13:38	1
Toluene-d8 (Surr)	99		70 - 130		05/01/17 13:38	1
Dibromofluoromethane (Surr)	101		70 - 130		05/01/17 13:38	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-16D

Date Collected: 04/19/17 15:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-11

Matrix: Ground 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	0.19	ug/L			05/02/17 14:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 14:21	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 14:21	1
1,1-Dichloroethane	37		1.0	0.24	ug/L			05/02/17 14:21	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/02/17 14:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 14:21	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 14:21	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 14:21	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 14:21	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/02/17 14:21	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 14:21	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 14:21	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 14:21	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 14:21	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 14:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 14:21	1
Acetone	ND		25	2.7	ug/L			05/02/17 14:21	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 14:21	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 14:21	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 14:21	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 14:21	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 14:21	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 14:21	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 14:21	1
Chloroethane	350		1.0	0.36	ug/L			05/02/17 14:21	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 14:21	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 14:21	1
cis-1,2-Dichloroethene	24		1.0	0.21	ug/L			05/02/17 14:21	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 14:21	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 14:21	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 14:21	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 14:21	1
Ethylbenzene	ND *		1.0	0.19	ug/L			05/02/17 14:21	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 14:21	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 14:21	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 14:21	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 14:21	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 14:21	1
Styrene	ND *		1.0	0.28	ug/L			05/02/17 14:21	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 14:21	1
Toluene	2.3		1.0	0.17	ug/L			05/02/17 14:21	1
trans-1,2-Dichloroethene	1.3		1.0	0.23	ug/L			05/02/17 14:21	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 14:21	1
Trichloroethene	ND		1.0	0.20	ug/L			05/02/17 14:21	1
Trichlorofluoromethane	ND *		1.0	0.21	ug/L			05/02/17 14:21	1
Vinyl chloride	27		1.0	0.18	ug/L			05/02/17 14:21	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 14:21	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-16D

Date Collected: 04/19/17 15:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-11

Matrix: Ground 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)	102		70 - 130		05/02/17 14:21	1
4-Bromofluorobenzene (Surr)	101		70 - 130		05/02/17 14:21	1
Toluene-d8 (Surr)	98		70 - 130		05/02/17 14:21	1
Dibromofluoromethane (Surr)	99		70 - 130		05/02/17 14:21	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-13S

Date Collected: 04/19/17 12:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-12

Matrix: Ground 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	0.19	ug/L			05/02/17 03:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 03:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 03:55	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 03:55	1
1,1-Dichloroethane	2.4		1.0	0.24	ug/L			05/02/17 03:55	1
1,1-Dichloroethene	0.48 J		1.0	0.25	ug/L			05/02/17 03:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 03:55	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 03:55	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 03:55	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 03:55	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/02/17 03:55	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 03:55	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 03:55	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 03:55	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 03:55	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 03:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 03:55	1
Acetone	ND		25	2.7	ug/L			05/02/17 03:55	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 03:55	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 03:55	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 03:55	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 03:55	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 03:55	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 03:55	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 03:55	1
Chloroethane	12		1.0	0.36	ug/L			05/02/17 03:55	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 03:55	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 03:55	1
cis-1,2-Dichloroethene	54		1.0	0.21	ug/L			05/02/17 03:55	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 03:55	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 03:55	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 03:55	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 03:55	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/02/17 03:55	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 03:55	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 03:55	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 03:55	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 03:55	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 03:55	1
Styrene	ND		1.0	0.28	ug/L			05/02/17 03:55	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 03:55	1
Toluene	2.2		1.0	0.17	ug/L			05/02/17 03:55	1
trans-1,2-Dichloroethene	1.2		1.0	0.23	ug/L			05/02/17 03:55	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 03:55	1
Trichloroethene	0.26 J		1.0	0.20	ug/L			05/02/17 03:55	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/02/17 03:55	1
Vinyl chloride	85		1.0	0.18	ug/L			05/02/17 03:55	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 03:55	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-13S

Date Collected: 04/19/17 12:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-12

Matrix: Ground 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)	103		70 - 130		05/02/17 03:55	1
4-Bromofluorobenzene (Surr)	100		70 - 130		05/02/17 03:55	1
Toluene-d8 (Surr)	99		70 - 130		05/02/17 03:55	1
Dibromofluoromethane (Surr)	100		70 - 130		05/02/17 03:55	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-8R

Date Collected: 04/18/17 13:35

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-13

Matrix: Ground 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		50	9.5	ug/L			05/02/17 14:47	50
1,1,2,2-Tetrachloroethane	ND		50	9.5	ug/L			05/02/17 14:47	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	7.5	ug/L			05/02/17 14:47	50
1,1,2-Trichloroethane	ND		50	9.5	ug/L			05/02/17 14:47	50
1,1-Dichloroethane	86		50	12	ug/L			05/02/17 14:47	50
1,1-Dichloroethene	36 J		50	13	ug/L			05/02/17 14:47	50
1,2,4-Trichlorobenzene	ND		50	10	ug/L			05/02/17 14:47	50
1,2-Dibromo-3-Chloropropane	ND		500	47	ug/L			05/02/17 14:47	50
1,2-Dibromoethane	ND		50	11	ug/L			05/02/17 14:47	50
1,2-Dichlorobenzene	ND		50	9.5	ug/L			05/02/17 14:47	50
1,2-Dichloroethane	ND		50	10	ug/L			05/02/17 14:47	50
1,2-Dichloropropane	ND		50	13	ug/L			05/02/17 14:47	50
1,3-Dichlorobenzene	ND		50	9.0	ug/L			05/02/17 14:47	50
1,4-Dichlorobenzene	ND		50	8.5	ug/L			05/02/17 14:47	50
2-Butanone (MEK)	ND		2500	130	ug/L			05/02/17 14:47	50
2-Hexanone	ND		500	64	ug/L			05/02/17 14:47	50
4-Methyl-2-pentanone (MIBK)	ND		500	41	ug/L			05/02/17 14:47	50
Acetone	ND		1300	130	ug/L			05/02/17 14:47	50
Benzene	ND		50	10	ug/L			05/02/17 14:47	50
Bromodichloromethane	ND		50	8.5	ug/L			05/02/17 14:47	50
Bromoform	ND		50	15	ug/L			05/02/17 14:47	50
Bromomethane	ND		50	18	ug/L			05/02/17 14:47	50
Carbon disulfide	ND		50	11	ug/L			05/02/17 14:47	50
Carbon tetrachloride	ND		50	9.0	ug/L			05/02/17 14:47	50
Chlorobenzene	ND		50	9.0	ug/L			05/02/17 14:47	50
Chloroethane	35 J		50	18	ug/L			05/02/17 14:47	50
Chloroform	ND		50	12	ug/L			05/02/17 14:47	50
Chloromethane	ND		50	18	ug/L			05/02/17 14:47	50
cis-1,2-Dichloroethene	7100		50	11	ug/L			05/02/17 14:47	50
cis-1,3-Dichloropropene	ND		50	8.5	ug/L			05/02/17 14:47	50
Cyclohexane	ND		250	6.5	ug/L			05/02/17 14:47	50
Dibromochloromethane	ND		50	13	ug/L			05/02/17 14:47	50
Dichlorodifluoromethane	ND		50	8.5	ug/L			05/02/17 14:47	50
Ethylbenzene	ND *		50	9.5	ug/L			05/02/17 14:47	50
Isopropylbenzene	ND		50	17	ug/L			05/02/17 14:47	50
Methyl acetate	ND		500	29	ug/L			05/02/17 14:47	50
Methyl tert-butyl ether	ND		50	8.5	ug/L			05/02/17 14:47	50
Methylcyclohexane	ND		250	4.5	ug/L			05/02/17 14:47	50
Methylene Chloride	ND		250	50	ug/L			05/02/17 14:47	50
Styrene	ND *		50	14	ug/L			05/02/17 14:47	50
Tetrachloroethene	ND		50	7.0	ug/L			05/02/17 14:47	50
Toluene	30 J		50	8.5	ug/L			05/02/17 14:47	50
trans-1,2-Dichloroethene	83		50	12	ug/L			05/02/17 14:47	50
trans-1,3-Dichloropropene	ND		50	8.5	ug/L			05/02/17 14:47	50
Trichloroethene	14 J		50	10	ug/L			05/02/17 14:47	50
Trichlorofluoromethane	ND *		50	11	ug/L			05/02/17 14:47	50
Vinyl chloride	7500		50	9.0	ug/L			05/02/17 14:47	50
Xylenes, Total	ND		150	29	ug/L			05/02/17 14:47	50

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-8R

Date Collected: 04/18/17 13:35

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-13

Matrix: Ground 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		70 - 130		05/02/17 14:47	50
4-Bromofluorobenzene (Surr)	98		70 - 130		05/02/17 14:47	50
Toluene-d8 (Surr)	98		70 - 130		05/02/17 14:47	50
Dibromofluoromethane (Surr)	100		70 - 130		05/02/17 14:47	50

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-13D

Date Collected: 04/19/17 13:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-14

Matrix: Ground 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	0.19	ug/L			05/02/17 04:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 04:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 04:21	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 04:21	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/02/17 04:21	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/02/17 04:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 04:21	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 04:21	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 04:21	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 04:21	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/02/17 04:21	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 04:21	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 04:21	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 04:21	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 04:21	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 04:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 04:21	1
Acetone	ND		25	2.7	ug/L			05/02/17 04:21	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 04:21	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 04:21	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 04:21	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 04:21	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 04:21	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 04:21	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 04:21	1
Chloroethane	9.0		1.0	0.36	ug/L			05/02/17 04:21	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 04:21	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 04:21	1
cis-1,2-Dichloroethene	0.87	J	1.0	0.21	ug/L			05/02/17 04:21	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 04:21	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 04:21	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 04:21	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 04:21	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/02/17 04:21	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 04:21	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 04:21	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 04:21	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 04:21	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 04:21	1
Styrene	ND		1.0	0.28	ug/L			05/02/17 04:21	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 04:21	1
Toluene	0.48	J	1.0	0.17	ug/L			05/02/17 04:21	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/02/17 04:21	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 04:21	1
Trichloroethene	ND		1.0	0.20	ug/L			05/02/17 04:21	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			05/02/17 04:21	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/02/17 04:21	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 04:21	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-13D

Date Collected: 04/19/17 13:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-14

Matrix: Ground 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)	104		70 - 130		05/02/17 04:21	1
4-Bromofluorobenzene (Surr)	109		70 - 130		05/02/17 04:21	1
Toluene-d8 (Surr)	99		70 - 130		05/02/17 04:21	1
Dibromofluoromethane (Surr)	99		70 - 130		05/02/17 04:21	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: GWCT

Date Collected: 04/18/17 10:20

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-15

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	0.19	ug/L			05/01/17 14:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 14:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 14:56	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 14:56	1
1,1-Dichloroethane	0.45	J	1.0	0.24	ug/L			05/01/17 14:56	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/01/17 14:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 14:56	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 14:56	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 14:56	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 14:56	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/01/17 14:56	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 14:56	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 14:56	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 14:56	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 14:56	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 14:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 14:56	1
Acetone	ND		25	2.7	ug/L			05/01/17 14:56	1
Benzene	ND		1.0	0.20	ug/L			05/01/17 14:56	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 14:56	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 14:56	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 14:56	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/01/17 14:56	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 14:56	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 14:56	1
Chloroethane	26		1.0	0.36	ug/L			05/01/17 14:56	1
Chloroform	ND		1.0	0.23	ug/L			05/01/17 14:56	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 14:56	1
cis-1,2-Dichloroethene	0.74	J	1.0	0.21	ug/L			05/01/17 14:56	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 14:56	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 14:56	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 14:56	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 14:56	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 14:56	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 14:56	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 14:56	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 14:56	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 14:56	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 14:56	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 14:56	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 14:56	1
Toluene	ND		1.0	0.17	ug/L			05/01/17 14:56	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/01/17 14:56	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 14:56	1
Trichloroethene	ND		1.0	0.20	ug/L			05/01/17 14:56	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/01/17 14:56	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/01/17 14:56	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 14:56	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: GWCT

Date Collected: 04/18/17 10:20

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-15

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)	105		70 - 130		05/01/17 14:56	1
4-Bromofluorobenzene (Surr)	113		70 - 130		05/01/17 14:56	1
Toluene-d8 (Surr)	97		70 - 130		05/01/17 14:56	1
Dibromofluoromethane (Surr)	102		70 - 130		05/01/17 14:56	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: Trip Blank

Date Collected: 04/18/17 06:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-16

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	0.19	ug/L			05/01/17 13:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 13:12	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 13:12	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/01/17 13:12	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/01/17 13:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 13:12	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 13:12	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 13:12	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 13:12	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/01/17 13:12	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 13:12	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 13:12	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 13:12	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 13:12	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 13:12	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 13:12	1
Acetone	ND		25	2.7	ug/L			05/01/17 13:12	1
Benzene	ND		1.0	0.20	ug/L			05/01/17 13:12	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 13:12	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 13:12	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 13:12	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/01/17 13:12	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 13:12	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 13:12	1
Chloroethane	ND		1.0	0.36	ug/L			05/01/17 13:12	1
Chloroform	ND		1.0	0.23	ug/L			05/01/17 13:12	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 13:12	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			05/01/17 13:12	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 13:12	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 13:12	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 13:12	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 13:12	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 13:12	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 13:12	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 13:12	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 13:12	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 13:12	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 13:12	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 13:12	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 13:12	1
Toluene	ND		1.0	0.17	ug/L			05/01/17 13:12	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/01/17 13:12	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 13:12	1
Trichloroethene	ND		1.0	0.20	ug/L			05/01/17 13:12	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/01/17 13:12	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/01/17 13:12	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 13:12	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: Trip Blank

Date Collected: 04/18/17 06:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-16

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		70 - 130		05/01/17 13:12	1
4-Bromofluorobenzene (Surr)	107		70 - 130		05/01/17 13:12	1
Toluene-d8 (Surr)	99		70 - 130		05/01/17 13:12	1
Dibromofluoromethane (Surr)	99		70 - 130		05/01/17 13:12	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-1
Date Collected: 04/18/17 10:00
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-17
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		5.0	0.95	ug/L			05/01/17 20:07	5
1,1,2,2-Tetrachloroethane	ND		5.0	0.95	ug/L			05/01/17 20:07	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.75	ug/L			05/01/17 20:07	5
1,1,2-Trichloroethane	ND		5.0	0.95	ug/L			05/01/17 20:07	5
1,1-Dichloroethane	7.7		5.0	1.2	ug/L			05/01/17 20:07	5
1,1-Dichloroethene	ND		5.0	1.3	ug/L			05/01/17 20:07	5
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/L			05/01/17 20:07	5
1,2-Dibromo-3-Chloropropane	ND		50	4.7	ug/L			05/01/17 20:07	5
1,2-Dibromoethane	ND		5.0	1.1	ug/L			05/01/17 20:07	5
1,2-Dichlorobenzene	ND		5.0	0.95	ug/L			05/01/17 20:07	5
1,2-Dichloroethane	ND		5.0	1.0	ug/L			05/01/17 20:07	5
1,2-Dichloropropane	ND		5.0	1.3	ug/L			05/01/17 20:07	5
1,3-Dichlorobenzene	ND		5.0	0.90	ug/L			05/01/17 20:07	5
1,4-Dichlorobenzene	ND		5.0	0.85	ug/L			05/01/17 20:07	5
2-Butanone (MEK)	ND		250	13	ug/L			05/01/17 20:07	5
2-Hexanone	ND		50	6.4	ug/L			05/01/17 20:07	5
4-Methyl-2-pentanone (MIBK)	ND		50	4.1	ug/L			05/01/17 20:07	5
Acetone	ND		130	13	ug/L			05/01/17 20:07	5
Benzene	ND		5.0	1.0	ug/L			05/01/17 20:07	5
Bromodichloromethane	ND		5.0	0.85	ug/L			05/01/17 20:07	5
Bromoform	ND		5.0	1.5	ug/L			05/01/17 20:07	5
Bromomethane	ND		5.0	1.8	ug/L			05/01/17 20:07	5
Carbon disulfide	ND		5.0	1.1	ug/L			05/01/17 20:07	5
Carbon tetrachloride	ND		5.0	0.90	ug/L			05/01/17 20:07	5
Chlorobenzene	ND		5.0	0.90	ug/L			05/01/17 20:07	5
Chloroethane	24		5.0	1.8	ug/L			05/01/17 20:07	5
Chloroform	ND		5.0	1.2	ug/L			05/01/17 20:07	5
Chloromethane	ND		5.0	1.8	ug/L			05/01/17 20:07	5
cis-1,2-Dichloroethene	12		5.0	1.1	ug/L			05/01/17 20:07	5
cis-1,3-Dichloropropene	ND		5.0	0.85	ug/L			05/01/17 20:07	5
Cyclohexane	ND		25	0.65	ug/L			05/01/17 20:07	5
Dibromochloromethane	ND		5.0	1.3	ug/L			05/01/17 20:07	5
Dichlorodifluoromethane	ND		5.0	0.85	ug/L			05/01/17 20:07	5
Ethylbenzene	ND		5.0	0.95	ug/L			05/01/17 20:07	5
Isopropylbenzene	ND		5.0	1.7	ug/L			05/01/17 20:07	5
Methyl acetate	ND		50	2.9	ug/L			05/01/17 20:07	5
Methyl tert-butyl ether	ND		5.0	0.85	ug/L			05/01/17 20:07	5
Methylcyclohexane	ND		25	0.45	ug/L			05/01/17 20:07	5
Methylene Chloride	ND		25	5.0	ug/L			05/01/17 20:07	5
Styrene	ND		5.0	1.4	ug/L			05/01/17 20:07	5
Tetrachloroethene	ND		5.0	0.70	ug/L			05/01/17 20:07	5
Toluene	3.8 J		5.0	0.85	ug/L			05/01/17 20:07	5
trans-1,2-Dichloroethene	ND		5.0	1.2	ug/L			05/01/17 20:07	5
trans-1,3-Dichloropropene	ND		5.0	0.85	ug/L			05/01/17 20:07	5
Trichloroethene	1.3 J		5.0	1.0	ug/L			05/01/17 20:07	5
Trichlorofluoromethane	ND *		5.0	1.1	ug/L			05/01/17 20:07	5
Vinyl chloride	ND		5.0	0.90	ug/L			05/01/17 20:07	5
Xylenes, Total	ND		15	2.9	ug/L			05/01/17 20:07	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-1

Date Collected: 04/18/17 10:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-17

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)	104		70 - 130		05/01/17 20:07	5
4-Bromofluorobenzene (Surr)	97		70 - 130		05/01/17 20:07	5
Toluene-d8 (Surr)	93		70 - 130		05/01/17 20:07	5
Dibromofluoromethane (Surr)	101		70 - 130		05/01/17 20:07	5

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-2
Date Collected: 04/18/17 09:40
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-18
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	0.95	ug/L			05/01/17 20:33	5
1,1,2,2-Tetrachloroethane	ND		5.0	0.95	ug/L			05/01/17 20:33	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.75	ug/L			05/01/17 20:33	5
1,1,2-Trichloroethane	ND		5.0	0.95	ug/L			05/01/17 20:33	5
1,1-Dichloroethane	ND		5.0	1.2	ug/L			05/01/17 20:33	5
1,1-Dichloroethene	ND		5.0	1.3	ug/L			05/01/17 20:33	5
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/L			05/01/17 20:33	5
1,2-Dibromo-3-Chloropropane	ND		50	4.7	ug/L			05/01/17 20:33	5
1,2-Dibromoethane	ND		5.0	1.1	ug/L			05/01/17 20:33	5
1,2-Dichlorobenzene	ND		5.0	0.95	ug/L			05/01/17 20:33	5
1,2-Dichloroethane	ND		5.0	1.0	ug/L			05/01/17 20:33	5
1,2-Dichloropropane	ND		5.0	1.3	ug/L			05/01/17 20:33	5
1,3-Dichlorobenzene	ND		5.0	0.90	ug/L			05/01/17 20:33	5
1,4-Dichlorobenzene	ND		5.0	0.85	ug/L			05/01/17 20:33	5
2-Butanone (MEK)	ND		250	13	ug/L			05/01/17 20:33	5
2-Hexanone	ND		50	6.4	ug/L			05/01/17 20:33	5
4-Methyl-2-pentanone (MIBK)	ND		50	4.1	ug/L			05/01/17 20:33	5
Acetone	ND		130	13	ug/L			05/01/17 20:33	5
Benzene	ND		5.0	1.0	ug/L			05/01/17 20:33	5
Bromodichloromethane	ND		5.0	0.85	ug/L			05/01/17 20:33	5
Bromoform	ND		5.0	1.5	ug/L			05/01/17 20:33	5
Bromomethane	ND		5.0	1.8	ug/L			05/01/17 20:33	5
Carbon disulfide	ND		5.0	1.1	ug/L			05/01/17 20:33	5
Carbon tetrachloride	ND		5.0	0.90	ug/L			05/01/17 20:33	5
Chlorobenzene	ND		5.0	0.90	ug/L			05/01/17 20:33	5
Chloroethane	3.5	J	5.0	1.8	ug/L			05/01/17 20:33	5
Chloroform	ND		5.0	1.2	ug/L			05/01/17 20:33	5
Chloromethane	ND		5.0	1.8	ug/L			05/01/17 20:33	5
cis-1,2-Dichloroethene	2.4	J	5.0	1.1	ug/L			05/01/17 20:33	5
cis-1,3-Dichloropropene	ND		5.0	0.85	ug/L			05/01/17 20:33	5
Cyclohexane	ND		25	0.65	ug/L			05/01/17 20:33	5
Dibromochloromethane	ND		5.0	1.3	ug/L			05/01/17 20:33	5
Dichlorodifluoromethane	ND		5.0	0.85	ug/L			05/01/17 20:33	5
Ethylbenzene	ND		5.0	0.95	ug/L			05/01/17 20:33	5
Isopropylbenzene	ND		5.0	1.7	ug/L			05/01/17 20:33	5
Methyl acetate	ND		50	2.9	ug/L			05/01/17 20:33	5
Methyl tert-butyl ether	ND		5.0	0.85	ug/L			05/01/17 20:33	5
Methylcyclohexane	ND		25	0.45	ug/L			05/01/17 20:33	5
Methylene Chloride	ND		25	5.0	ug/L			05/01/17 20:33	5
Styrene	ND		5.0	1.4	ug/L			05/01/17 20:33	5
Tetrachloroethene	ND		5.0	0.70	ug/L			05/01/17 20:33	5
Toluene	ND		5.0	0.85	ug/L			05/01/17 20:33	5
trans-1,2-Dichloroethene	ND		5.0	1.2	ug/L			05/01/17 20:33	5
trans-1,3-Dichloropropene	ND		5.0	0.85	ug/L			05/01/17 20:33	5
Trichloroethene	ND		5.0	1.0	ug/L			05/01/17 20:33	5
Trichlorofluoromethane	ND	*	5.0	1.1	ug/L			05/01/17 20:33	5
Vinyl chloride	ND		5.0	0.90	ug/L			05/01/17 20:33	5
Xylenes, Total	ND		15	2.9	ug/L			05/01/17 20:33	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-2

Date Collected: 04/18/17 09:40

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-18

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)	108		70 - 130		05/01/17 20:33	5
4-Bromofluorobenzene (Surr)	96		70 - 130		05/01/17 20:33	5
Toluene-d8 (Surr)	101		70 - 130		05/01/17 20:33	5
Dibromofluoromethane (Surr)	103		70 - 130		05/01/17 20:33	5

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-3
Date Collected: 04/18/17 09:20
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.4		1.0	0.19	ug/L			05/01/17 15:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 15:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 15:22	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 15:22	1
1,1-Dichloroethane	14		1.0	0.24	ug/L			05/01/17 15:22	1
1,1-Dichloroethene	20		1.0	0.25	ug/L			05/01/17 15:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 15:22	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 15:22	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 15:22	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 15:22	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/01/17 15:22	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 15:22	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 15:22	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 15:22	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 15:22	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 15:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 15:22	1
Acetone	28		25	2.7	ug/L			05/01/17 15:22	1
Benzene	ND		1.0	0.20	ug/L			05/01/17 15:22	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 15:22	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 15:22	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 15:22	1
Carbon disulfide	0.51	J	1.0	0.22	ug/L			05/01/17 15:22	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 15:22	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 15:22	1
Chloroethane	5.5		1.0	0.36	ug/L			05/01/17 15:22	1
Chloroform	ND		1.0	0.23	ug/L			05/01/17 15:22	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 15:22	1
cis-1,2-Dichloroethene	4300		20	4.2	ug/L			05/02/17 15:13	20
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 15:22	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 15:22	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 15:22	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 15:22	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 15:22	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 15:22	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 15:22	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 15:22	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 15:22	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 15:22	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 15:22	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 15:22	1
Toluene	4.1		1.0	0.17	ug/L			05/01/17 15:22	1
trans-1,2-Dichloroethene	68		1.0	0.23	ug/L			05/01/17 15:22	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 15:22	1
Trichloroethene	190		1.0	0.20	ug/L			05/01/17 15:22	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/01/17 15:22	1
Vinyl chloride	480		20	3.6	ug/L			05/02/17 15:13	20
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 15:22	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-3

Date Collected: 04/18/17 09:20

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-19

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)	107		70 - 130		05/01/17 15:22	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		05/02/17 15:13	20
4-Bromofluorobenzene (Surr)	104		70 - 130		05/01/17 15:22	1
4-Bromofluorobenzene (Surr)	96		70 - 130		05/02/17 15:13	20
Toluene-d8 (Surr)	98		70 - 130		05/01/17 15:22	1
Toluene-d8 (Surr)	97		70 - 130		05/02/17 15:13	20
Dibromofluoromethane (Surr)	104		70 - 130		05/01/17 15:22	1
Dibromofluoromethane (Surr)	101		70 - 130		05/02/17 15:13	20

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-4

Date Collected: 04/18/17 09:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	3.8	ug/L			05/01/17 17:58	20
1,1,2,2-Tetrachloroethane	ND		20	3.8	ug/L			05/01/17 17:58	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	3.0	ug/L			05/01/17 17:58	20
1,1,2-Trichloroethane	ND		20	3.8	ug/L			05/01/17 17:58	20
1,1-Dichloroethane	20		20	4.8	ug/L			05/01/17 17:58	20
1,1-Dichloroethene	17 J		20	5.0	ug/L			05/01/17 17:58	20
1,2,4-Trichlorobenzene	ND		20	4.0	ug/L			05/01/17 17:58	20
1,2-Dibromo-3-Chloropropane	ND		200	19	ug/L			05/01/17 17:58	20
1,2-Dibromoethane	ND		20	4.2	ug/L			05/01/17 17:58	20
1,2-Dichlorobenzene	ND		20	3.8	ug/L			05/01/17 17:58	20
1,2-Dichloroethane	ND		20	4.0	ug/L			05/01/17 17:58	20
1,2-Dichloropropane	ND		20	5.0	ug/L			05/01/17 17:58	20
1,3-Dichlorobenzene	ND		20	3.6	ug/L			05/01/17 17:58	20
1,4-Dichlorobenzene	ND		20	3.4	ug/L			05/01/17 17:58	20
2-Butanone (MEK)	ND		1000	53	ug/L			05/01/17 17:58	20
2-Hexanone	ND		200	26	ug/L			05/01/17 17:58	20
4-Methyl-2-pentanone (MIBK)	ND		200	16	ug/L			05/01/17 17:58	20
Acetone	ND		500	53	ug/L			05/01/17 17:58	20
Benzene	ND		20	4.0	ug/L			05/01/17 17:58	20
Bromodichloromethane	ND		20	3.4	ug/L			05/01/17 17:58	20
Bromoform	ND		20	5.8	ug/L			05/01/17 17:58	20
Bromomethane	ND		20	7.0	ug/L			05/01/17 17:58	20
Carbon disulfide	ND		20	4.4	ug/L			05/01/17 17:58	20
Carbon tetrachloride	ND		20	3.6	ug/L			05/01/17 17:58	20
Chlorobenzene	ND		20	3.6	ug/L			05/01/17 17:58	20
Chloroethane	8.0 J		20	7.2	ug/L			05/01/17 17:58	20
Chloroform	ND		20	4.6	ug/L			05/01/17 17:58	20
Chloromethane	ND		20	7.2	ug/L			05/01/17 17:58	20
cis-1,2-Dichloroethene	4400		20	4.2	ug/L			05/01/17 17:58	20
cis-1,3-Dichloropropene	ND		20	3.4	ug/L			05/01/17 17:58	20
Cyclohexane	ND		100	2.6	ug/L			05/01/17 17:58	20
Dibromochloromethane	ND		20	5.0	ug/L			05/01/17 17:58	20
Dichlorodifluoromethane	ND		20	3.4	ug/L			05/01/17 17:58	20
Ethylbenzene	ND		20	3.8	ug/L			05/01/17 17:58	20
Isopropylbenzene	ND		20	6.6	ug/L			05/01/17 17:58	20
Methyl acetate	ND		200	12	ug/L			05/01/17 17:58	20
Methyl tert-butyl ether	ND		20	3.4	ug/L			05/01/17 17:58	20
Methylcyclohexane	ND		100	1.8	ug/L			05/01/17 17:58	20
Methylene Chloride	ND		100	20	ug/L			05/01/17 17:58	20
Styrene	ND		20	5.6	ug/L			05/01/17 17:58	20
Tetrachloroethene	ND		20	2.8	ug/L			05/01/17 17:58	20
Toluene	7.0 J		20	3.4	ug/L			05/01/17 17:58	20
trans-1,2-Dichloroethene	76		20	4.6	ug/L			05/01/17 17:58	20
trans-1,3-Dichloropropene	ND		20	3.4	ug/L			05/01/17 17:58	20
Trichloroethene	120		20	4.0	ug/L			05/01/17 17:58	20
Trichlorofluoromethane	ND *		20	4.2	ug/L			05/01/17 17:58	20
Vinyl chloride	1400		20	3.6	ug/L			05/01/17 17:58	20
Xylenes, Total	ND		60	12	ug/L			05/01/17 17:58	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-4

Date Collected: 04/18/17 09:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-20

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)	103		70 - 130		05/01/17 17:58	20
4-Bromofluorobenzene (Surr)	95		70 - 130		05/01/17 17:58	20
Toluene-d8 (Surr)	98		70 - 130		05/01/17 17:58	20
Dibromofluoromethane (Surr)	103		70 - 130		05/01/17 17:58	20

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-5

Date Collected: 04/18/17 08:40

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	3.8	ug/L			05/02/17 15:39	20
1,1,2,2-Tetrachloroethane	ND		20	3.8	ug/L			05/02/17 15:39	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	3.0	ug/L			05/02/17 15:39	20
1,1,2-Trichloroethane	ND		20	3.8	ug/L			05/02/17 15:39	20
1,1-Dichloroethane	44		20	4.8	ug/L			05/02/17 15:39	20
1,1-Dichloroethene	ND		20	5.0	ug/L			05/02/17 15:39	20
1,2,4-Trichlorobenzene	ND		20	4.0	ug/L			05/02/17 15:39	20
1,2-Dibromo-3-Chloropropane	ND		200	19	ug/L			05/02/17 15:39	20
1,2-Dibromoethane	ND		20	4.2	ug/L			05/02/17 15:39	20
1,2-Dichlorobenzene	ND		20	3.8	ug/L			05/02/17 15:39	20
1,2-Dichloroethane	ND		20	4.0	ug/L			05/02/17 15:39	20
1,2-Dichloropropane	ND		20	5.0	ug/L			05/02/17 15:39	20
1,3-Dichlorobenzene	ND		20	3.6	ug/L			05/02/17 15:39	20
1,4-Dichlorobenzene	ND		20	3.4	ug/L			05/02/17 15:39	20
2-Butanone (MEK)	ND		1000	53	ug/L			05/02/17 15:39	20
2-Hexanone	ND		200	26	ug/L			05/02/17 15:39	20
4-Methyl-2-pentanone (MIBK)	ND		200	16	ug/L			05/02/17 15:39	20
Acetone	ND		500	53	ug/L			05/02/17 15:39	20
Benzene	ND		20	4.0	ug/L			05/02/17 15:39	20
Bromodichloromethane	ND		20	3.4	ug/L			05/02/17 15:39	20
Bromoform	ND		20	5.8	ug/L			05/02/17 15:39	20
Bromomethane	ND		20	7.0	ug/L			05/02/17 15:39	20
Carbon disulfide	ND		20	4.4	ug/L			05/02/17 15:39	20
Carbon tetrachloride	ND		20	3.6	ug/L			05/02/17 15:39	20
Chlorobenzene	ND		20	3.6	ug/L			05/02/17 15:39	20
Chloroethane	38		20	7.2	ug/L			05/02/17 15:39	20
Chloroform	ND		20	4.6	ug/L			05/02/17 15:39	20
Chloromethane	ND		20	7.2	ug/L			05/02/17 15:39	20
cis-1,2-Dichloroethene	2000		20	4.2	ug/L			05/02/17 15:39	20
cis-1,3-Dichloropropene	ND		20	3.4	ug/L			05/02/17 15:39	20
Cyclohexane	ND		100	2.6	ug/L			05/02/17 15:39	20
Dibromochloromethane	ND		20	5.0	ug/L			05/02/17 15:39	20
Dichlorodifluoromethane	ND		20	3.4	ug/L			05/02/17 15:39	20
Ethylbenzene	ND *		20	3.8	ug/L			05/02/17 15:39	20
Isopropylbenzene	ND		20	6.6	ug/L			05/02/17 15:39	20
Methyl acetate	ND		200	12	ug/L			05/02/17 15:39	20
Methyl tert-butyl ether	ND		20	3.4	ug/L			05/02/17 15:39	20
Methylcyclohexane	ND		100	1.8	ug/L			05/02/17 15:39	20
Methylene Chloride	ND		100	20	ug/L			05/02/17 15:39	20
Styrene	ND *		20	5.6	ug/L			05/02/17 15:39	20
Tetrachloroethene	ND		20	2.8	ug/L			05/02/17 15:39	20
Toluene	7.8 J		20	3.4	ug/L			05/02/17 15:39	20
trans-1,2-Dichloroethene	24		20	4.6	ug/L			05/02/17 15:39	20
trans-1,3-Dichloropropene	ND		20	3.4	ug/L			05/02/17 15:39	20
Trichloroethene	5.5 J		20	4.0	ug/L			05/02/17 15:39	20
Trichlorofluoromethane	ND *		20	4.2	ug/L			05/02/17 15:39	20
Vinyl chloride	570		20	3.6	ug/L			05/02/17 15:39	20
Xylenes, Total	ND		60	12	ug/L			05/02/17 15:39	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-5

Date Collected: 04/18/17 08:40

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-21

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)	106		70 - 130		05/02/17 15:39	20
4-Bromofluorobenzene (Surr)	97		70 - 130		05/02/17 15:39	20
Toluene-d8 (Surr)	98		70 - 130		05/02/17 15:39	20
Dibromofluoromethane (Surr)	99		70 - 130		05/02/17 15:39	20

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-7
Date Collected: 04/18/17 08:20
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-22
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	0.19	ug/L			05/02/17 13:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 13:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 13:29	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 13:29	1
1,1-Dichloroethane	120		1.0	0.24	ug/L			05/02/17 13:29	1
1,1-Dichloroethene	0.48	J	1.0	0.25	ug/L			05/02/17 13:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 13:29	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 13:29	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 13:29	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 13:29	1
1,2-Dichloroethane	0.41	J	1.0	0.20	ug/L			05/02/17 13:29	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 13:29	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 13:29	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 13:29	1
2-Butanone (MEK)	280		50	2.6	ug/L			05/02/17 13:29	1
2-Hexanone	130		10	1.3	ug/L			05/02/17 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 13:29	1
Acetone	150		25	2.7	ug/L			05/02/17 13:29	1
Benzene	1.0		1.0	0.20	ug/L			05/02/17 13:29	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 13:29	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 13:29	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 13:29	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 13:29	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 13:29	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 13:29	1
Chloroethane	360		1.0	0.36	ug/L			05/02/17 13:29	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 13:29	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 13:29	1
cis-1,2-Dichloroethene	67		1.0	0.21	ug/L			05/02/17 13:29	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 13:29	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 13:29	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 13:29	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 13:29	1
Ethylbenzene	ND	*	1.0	0.19	ug/L			05/02/17 13:29	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 13:29	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 13:29	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 13:29	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 13:29	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 13:29	1
Styrene	ND	*	1.0	0.28	ug/L			05/02/17 13:29	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 13:29	1
Toluene	5.8		1.0	0.17	ug/L			05/02/17 13:29	1
trans-1,2-Dichloroethene	4.4		1.0	0.23	ug/L			05/02/17 13:29	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 13:29	1
Trichloroethene	0.93	J	1.0	0.20	ug/L			05/02/17 13:29	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/02/17 13:29	1
Vinyl chloride	270		1.0	0.18	ug/L			05/02/17 13:29	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 13:29	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-7

Date Collected: 04/18/17 08:20

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-22

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)	103		70 - 130		05/02/17 13:29	1
4-Bromofluorobenzene (Surr)	100		70 - 130		05/02/17 13:29	1
Toluene-d8 (Surr)	96		70 - 130		05/02/17 13:29	1
Dibromofluoromethane (Surr)	100		70 - 130		05/02/17 13:29	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-8
Date Collected: 04/18/17 08:00
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-23
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		50	9.5	ug/L			05/01/17 18:24	50
1,1,2,2-Tetrachloroethane	ND		50	9.5	ug/L			05/01/17 18:24	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	7.5	ug/L			05/01/17 18:24	50
1,1,2-Trichloroethane	ND		50	9.5	ug/L			05/01/17 18:24	50
1,1-Dichloroethane	55		50	12	ug/L			05/01/17 18:24	50
1,1-Dichloroethene	ND		50	13	ug/L			05/01/17 18:24	50
1,2,4-Trichlorobenzene	ND		50	10	ug/L			05/01/17 18:24	50
1,2-Dibromo-3-Chloropropane	ND		500	47	ug/L			05/01/17 18:24	50
1,2-Dibromoethane	ND		50	11	ug/L			05/01/17 18:24	50
1,2-Dichlorobenzene	ND		50	9.5	ug/L			05/01/17 18:24	50
1,2-Dichloroethane	ND		50	10	ug/L			05/01/17 18:24	50
1,2-Dichloropropane	ND		50	13	ug/L			05/01/17 18:24	50
1,3-Dichlorobenzene	ND		50	9.0	ug/L			05/01/17 18:24	50
1,4-Dichlorobenzene	ND		50	8.5	ug/L			05/01/17 18:24	50
2-Butanone (MEK)	ND		2500	130	ug/L			05/01/17 18:24	50
2-Hexanone	ND		500	64	ug/L			05/01/17 18:24	50
4-Methyl-2-pentanone (MIBK)	ND		500	41	ug/L			05/01/17 18:24	50
Acetone	ND		1300	130	ug/L			05/01/17 18:24	50
Benzene	ND		50	10	ug/L			05/01/17 18:24	50
Bromodichloromethane	ND		50	8.5	ug/L			05/01/17 18:24	50
Bromoform	ND		50	15	ug/L			05/01/17 18:24	50
Bromomethane	ND		50	18	ug/L			05/01/17 18:24	50
Carbon disulfide	ND		50	11	ug/L			05/01/17 18:24	50
Carbon tetrachloride	ND		50	9.0	ug/L			05/01/17 18:24	50
Chlorobenzene	ND		50	9.0	ug/L			05/01/17 18:24	50
Chloroethane	ND		50	18	ug/L			05/01/17 18:24	50
Chloroform	ND		50	12	ug/L			05/01/17 18:24	50
Chloromethane	ND		50	18	ug/L			05/01/17 18:24	50
cis-1,2-Dichloroethene	4800		50	11	ug/L			05/01/17 18:24	50
cis-1,3-Dichloropropene	ND		50	8.5	ug/L			05/01/17 18:24	50
Cyclohexane	ND		250	6.5	ug/L			05/01/17 18:24	50
Dibromochloromethane	ND		50	13	ug/L			05/01/17 18:24	50
Dichlorodifluoromethane	ND		50	8.5	ug/L			05/01/17 18:24	50
Ethylbenzene	ND		50	9.5	ug/L			05/01/17 18:24	50
Isopropylbenzene	ND		50	17	ug/L			05/01/17 18:24	50
Methyl acetate	ND		500	29	ug/L			05/01/17 18:24	50
Methyl tert-butyl ether	ND		50	8.5	ug/L			05/01/17 18:24	50
Methylcyclohexane	ND		250	4.5	ug/L			05/01/17 18:24	50
Methylene Chloride	ND		250	50	ug/L			05/01/17 18:24	50
Styrene	ND		50	14	ug/L			05/01/17 18:24	50
Tetrachloroethene	ND		50	7.0	ug/L			05/01/17 18:24	50
Toluene	ND		50	8.5	ug/L			05/01/17 18:24	50
trans-1,2-Dichloroethene	57		50	12	ug/L			05/01/17 18:24	50
trans-1,3-Dichloropropene	ND		50	8.5	ug/L			05/01/17 18:24	50
Trichloroethene	36 J		50	10	ug/L			05/01/17 18:24	50
Trichlorofluoromethane	ND *		50	11	ug/L			05/01/17 18:24	50
Vinyl chloride	480		50	9.0	ug/L			05/01/17 18:24	50
Xylenes, Total	ND		150	29	ug/L			05/01/17 18:24	50

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-8

Date Collected: 04/18/17 08:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-23

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)	104		70 - 130		05/01/17 18:24	50
4-Bromofluorobenzene (Surr)	107		70 - 130		05/01/17 18:24	50
Toluene-d8 (Surr)	97		70 - 130		05/01/17 18:24	50
Dibromofluoromethane (Surr)	103		70 - 130		05/01/17 18:24	50

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-9
Date Collected: 04/20/17 11:00
Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-24
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.60	J	1.0	0.19	ug/L			05/02/17 13:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/02/17 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/02/17 13:55	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/02/17 13:55	1
1,1-Dichloroethane	51		1.0	0.24	ug/L			05/02/17 13:55	1
1,1-Dichloroethene	0.34	J	1.0	0.25	ug/L			05/02/17 13:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/02/17 13:55	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/02/17 13:55	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/02/17 13:55	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/02/17 13:55	1
1,2-Dichloroethane	1.4		1.0	0.20	ug/L			05/02/17 13:55	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/02/17 13:55	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/02/17 13:55	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/02/17 13:55	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/02/17 13:55	1
2-Hexanone	ND		10	1.3	ug/L			05/02/17 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/02/17 13:55	1
Acetone	ND		25	2.7	ug/L			05/02/17 13:55	1
Benzene	ND		1.0	0.20	ug/L			05/02/17 13:55	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/02/17 13:55	1
Bromoform	ND		1.0	0.29	ug/L			05/02/17 13:55	1
Bromomethane	ND		1.0	0.35	ug/L			05/02/17 13:55	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/02/17 13:55	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/02/17 13:55	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/02/17 13:55	1
Chloroethane	17		1.0	0.36	ug/L			05/02/17 13:55	1
Chloroform	ND		1.0	0.23	ug/L			05/02/17 13:55	1
Chloromethane	ND		1.0	0.36	ug/L			05/02/17 13:55	1
cis-1,2-Dichloroethene	41		1.0	0.21	ug/L			05/02/17 13:55	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 13:55	1
Cyclohexane	ND		5.0	0.13	ug/L			05/02/17 13:55	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/02/17 13:55	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/02/17 13:55	1
Ethylbenzene	ND	*	1.0	0.19	ug/L			05/02/17 13:55	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/02/17 13:55	1
Methyl acetate	ND		10	0.58	ug/L			05/02/17 13:55	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/02/17 13:55	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/02/17 13:55	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/02/17 13:55	1
Styrene	ND	*	1.0	0.28	ug/L			05/02/17 13:55	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/02/17 13:55	1
Toluene	ND		1.0	0.17	ug/L			05/02/17 13:55	1
trans-1,2-Dichloroethene	1.9		1.0	0.23	ug/L			05/02/17 13:55	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/02/17 13:55	1
Trichloroethene	ND		1.0	0.20	ug/L			05/02/17 13:55	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/02/17 13:55	1
Vinyl chloride	80		1.0	0.18	ug/L			05/02/17 13:55	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/02/17 13:55	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-9

Date Collected: 04/20/17 11:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-24

Matrix: Ground 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)	104		70 - 130		05/02/17 13:55	1
4-Bromofluorobenzene (Surr)	97		70 - 130		05/02/17 13:55	1
Toluene-d8 (Surr)	90		70 - 130		05/02/17 13:55	1
Dibromofluoromethane (Surr)	97		70 - 130		05/02/17 13:55	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-14S

Date Collected: 04/18/17 15:25

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-25

Matrix: Ground 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	0.19	ug/L			05/01/17 15:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 15:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 15:48	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 15:48	1
1,1-Dichloroethane	8.1		1.0	0.24	ug/L			05/01/17 15:48	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/01/17 15:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 15:48	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 15:48	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 15:48	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 15:48	1
1,2-Dichloroethane	0.69	J	1.0	0.20	ug/L			05/01/17 15:48	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 15:48	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 15:48	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 15:48	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 15:48	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 15:48	1
Acetone	ND		25	2.7	ug/L			05/01/17 15:48	1
Benzene	0.94	J	1.0	0.20	ug/L			05/01/17 15:48	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 15:48	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 15:48	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 15:48	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/01/17 15:48	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 15:48	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 15:48	1
Chloroethane	2.8		1.0	0.36	ug/L			05/01/17 15:48	1
Chloroform	ND		1.0	0.23	ug/L			05/01/17 15:48	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 15:48	1
cis-1,2-Dichloroethene	15		1.0	0.21	ug/L			05/01/17 15:48	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 15:48	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 15:48	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 15:48	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 15:48	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 15:48	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 15:48	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 15:48	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 15:48	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 15:48	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 15:48	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 15:48	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 15:48	1
Toluene	ND		1.0	0.17	ug/L			05/01/17 15:48	1
trans-1,2-Dichloroethene	0.45	J	1.0	0.23	ug/L			05/01/17 15:48	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 15:48	1
Trichloroethene	ND		1.0	0.20	ug/L			05/01/17 15:48	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/01/17 15:48	1
Vinyl chloride	7.8		1.0	0.18	ug/L			05/01/17 15:48	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 15:48	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-14S

Date Collected: 04/18/17 15:25

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-25

Matrix: Ground 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)	104		70 - 130		05/01/17 15:48	1
4-Bromofluorobenzene (Surr)	106		70 - 130		05/01/17 15:48	1
Toluene-d8 (Surr)	98		70 - 130		05/01/17 15:48	1
Dibromofluoromethane (Surr)	100		70 - 130		05/01/17 15:48	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-14D

Date Collected: 04/18/17 14:50

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-26

Matrix: Ground 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	0.19	ug/L			05/01/17 16:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 16:14	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 16:14	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/01/17 16:14	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/01/17 16:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 16:14	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 16:14	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 16:14	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 16:14	1
1,2-Dichloroethane	ND		1.0	0.20	ug/L			05/01/17 16:14	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 16:14	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 16:14	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 16:14	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 16:14	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 16:14	1
Acetone	ND		25	2.7	ug/L			05/01/17 16:14	1
Benzene	ND		1.0	0.20	ug/L			05/01/17 16:14	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 16:14	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 16:14	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 16:14	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/01/17 16:14	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 16:14	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 16:14	1
Chloroethane	ND		1.0	0.36	ug/L			05/01/17 16:14	1
Chloroform	ND		1.0	0.23	ug/L			05/01/17 16:14	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 16:14	1
cis-1,2-Dichloroethene	0.65	J	1.0	0.21	ug/L			05/01/17 16:14	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 16:14	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 16:14	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 16:14	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 16:14	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 16:14	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 16:14	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 16:14	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 16:14	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 16:14	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 16:14	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 16:14	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 16:14	1
Toluene	ND		1.0	0.17	ug/L			05/01/17 16:14	1
trans-1,2-Dichloroethene	ND		1.0	0.23	ug/L			05/01/17 16:14	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 16:14	1
Trichloroethene	ND		1.0	0.20	ug/L			05/01/17 16:14	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/01/17 16:14	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/01/17 16:14	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 16:14	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-14D

Date Collected: 04/18/17 14:50

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-26

Matrix: Ground 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)	104		70 - 130		05/01/17 16:14	1
4-Bromofluorobenzene (Surr)	106		70 - 130		05/01/17 16:14	1
Toluene-d8 (Surr)	97		70 - 130		05/01/17 16:14	1
Dibromofluoromethane (Surr)	99		70 - 130		05/01/17 16:14	1

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-15S

Date Collected: 04/19/17 09:05

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-27

Matrix: Ground 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	0.95	ug/L			05/02/17 16:05	5
1,1,2,2-Tetrachloroethane	ND		5.0	0.95	ug/L			05/02/17 16:05	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.75	ug/L			05/02/17 16:05	5
1,1,2-Trichloroethane	ND		5.0	0.95	ug/L			05/02/17 16:05	5
1,1-Dichloroethane	450		5.0	1.2	ug/L			05/02/17 16:05	5
1,1-Dichloroethene	10		5.0	1.3	ug/L			05/02/17 16:05	5
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/L			05/02/17 16:05	5
1,2-Dibromo-3-Chloropropane	ND		50	4.7	ug/L			05/02/17 16:05	5
1,2-Dibromoethane	ND		5.0	1.1	ug/L			05/02/17 16:05	5
1,2-Dichlorobenzene	ND		5.0	0.95	ug/L			05/02/17 16:05	5
1,2-Dichloroethane	ND		5.0	1.0	ug/L			05/02/17 16:05	5
1,2-Dichloropropane	ND		5.0	1.3	ug/L			05/02/17 16:05	5
1,3-Dichlorobenzene	ND		5.0	0.90	ug/L			05/02/17 16:05	5
1,4-Dichlorobenzene	ND		5.0	0.85	ug/L			05/02/17 16:05	5
2-Butanone (MEK)	ND		250	13	ug/L			05/02/17 16:05	5
2-Hexanone	ND		50	6.4	ug/L			05/02/17 16:05	5
4-Methyl-2-pentanone (MIBK)	ND		50	4.1	ug/L			05/02/17 16:05	5
Acetone	160		130	13	ug/L			05/02/17 16:05	5
Benzene	2.9	J	5.0	1.0	ug/L			05/02/17 16:05	5
Bromodichloromethane	ND		5.0	0.85	ug/L			05/02/17 16:05	5
Bromoform	ND		5.0	1.5	ug/L			05/02/17 16:05	5
Bromomethane	ND		5.0	1.8	ug/L			05/02/17 16:05	5
Carbon disulfide	2.4	J	5.0	1.1	ug/L			05/02/17 16:05	5
Carbon tetrachloride	ND		5.0	0.90	ug/L			05/02/17 16:05	5
Chlorobenzene	ND		5.0	0.90	ug/L			05/02/17 16:05	5
Chloroethane	180		5.0	1.8	ug/L			05/02/17 16:05	5
Chloroform	ND		5.0	1.2	ug/L			05/02/17 16:05	5
Chloromethane	ND		5.0	1.8	ug/L			05/02/17 16:05	5
cis-1,2-Dichloroethene	650		5.0	1.1	ug/L			05/02/17 16:05	5
cis-1,3-Dichloropropene	ND		5.0	0.85	ug/L			05/02/17 16:05	5
Cyclohexane	ND		25	0.65	ug/L			05/02/17 16:05	5
Dibromochloromethane	ND		5.0	1.3	ug/L			05/02/17 16:05	5
Dichlorodifluoromethane	ND		5.0	0.85	ug/L			05/02/17 16:05	5
Ethylbenzene	5.8	*	5.0	0.95	ug/L			05/02/17 16:05	5
Isopropylbenzene	ND		5.0	1.7	ug/L			05/02/17 16:05	5
Methyl acetate	ND		50	2.9	ug/L			05/02/17 16:05	5
Methyl tert-butyl ether	ND		5.0	0.85	ug/L			05/02/17 16:05	5
Methylcyclohexane	ND		25	0.45	ug/L			05/02/17 16:05	5
Methylene Chloride	ND		25	5.0	ug/L			05/02/17 16:05	5
Styrene	ND	*	5.0	1.4	ug/L			05/02/17 16:05	5
Tetrachloroethene	ND		5.0	0.70	ug/L			05/02/17 16:05	5
Toluene	130		5.0	0.85	ug/L			05/02/17 16:05	5
trans-1,2-Dichloroethene	5.9		5.0	1.2	ug/L			05/02/17 16:05	5
trans-1,3-Dichloropropene	ND		5.0	0.85	ug/L			05/02/17 16:05	5
Trichloroethene	70		5.0	1.0	ug/L			05/02/17 16:05	5
Trichlorofluoromethane	ND	*	5.0	1.1	ug/L			05/02/17 16:05	5
Vinyl chloride	180		5.0	0.90	ug/L			05/02/17 16:05	5
Xylenes, Total	29		15	2.9	ug/L			05/02/17 16:05	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-15S

Date Collected: 04/19/17 09:05

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-27

Matrix: Ground 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)	102		70 - 130		05/02/17 16:05	5
4-Bromofluorobenzene (Surr)	98		70 - 130		05/02/17 16:05	5
Toluene-d8 (Surr)	91		70 - 130		05/02/17 16:05	5
Dibromofluoromethane (Surr)	101		70 - 130		05/02/17 16:05	5

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-15D

Date Collected: 04/19/17 08:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-28

Matrix: Ground 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	0.19	ug/L			05/01/17 19:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.19	ug/L			05/01/17 19:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.15	ug/L			05/01/17 19:41	1
1,1,2-Trichloroethane	ND		1.0	0.19	ug/L			05/01/17 19:41	1
1,1-Dichloroethane	ND		1.0	0.24	ug/L			05/01/17 19:41	1
1,1-Dichloroethene	ND		1.0	0.25	ug/L			05/01/17 19:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.20	ug/L			05/01/17 19:41	1
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			05/01/17 19:41	1
1,2-Dibromoethane	ND		1.0	0.21	ug/L			05/01/17 19:41	1
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L			05/01/17 19:41	1
1,2-Dichloroethane	0.35	J	1.0	0.20	ug/L			05/01/17 19:41	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			05/01/17 19:41	1
1,3-Dichlorobenzene	ND		1.0	0.18	ug/L			05/01/17 19:41	1
1,4-Dichlorobenzene	ND		1.0	0.17	ug/L			05/01/17 19:41	1
2-Butanone (MEK)	ND		50	2.6	ug/L			05/01/17 19:41	1
2-Hexanone	ND		10	1.3	ug/L			05/01/17 19:41	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.81	ug/L			05/01/17 19:41	1
Acetone	ND		25	2.7	ug/L			05/01/17 19:41	1
Benzene	ND		1.0	0.20	ug/L			05/01/17 19:41	1
Bromodichloromethane	ND		1.0	0.17	ug/L			05/01/17 19:41	1
Bromoform	ND		1.0	0.29	ug/L			05/01/17 19:41	1
Bromomethane	ND		1.0	0.35	ug/L			05/01/17 19:41	1
Carbon disulfide	ND		1.0	0.22	ug/L			05/01/17 19:41	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			05/01/17 19:41	1
Chlorobenzene	ND		1.0	0.18	ug/L			05/01/17 19:41	1
Chloroethane	390		5.0	1.8	ug/L			05/02/17 16:31	5
Chloroform	ND		1.0	0.23	ug/L			05/01/17 19:41	1
Chloromethane	ND		1.0	0.36	ug/L			05/01/17 19:41	1
cis-1,2-Dichloroethene	ND		1.0	0.21	ug/L			05/01/17 19:41	1
cis-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 19:41	1
Cyclohexane	ND		5.0	0.13	ug/L			05/01/17 19:41	1
Dibromochloromethane	ND		1.0	0.25	ug/L			05/01/17 19:41	1
Dichlorodifluoromethane	ND		1.0	0.17	ug/L			05/01/17 19:41	1
Ethylbenzene	ND		1.0	0.19	ug/L			05/01/17 19:41	1
Isopropylbenzene	ND		1.0	0.33	ug/L			05/01/17 19:41	1
Methyl acetate	ND		10	0.58	ug/L			05/01/17 19:41	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			05/01/17 19:41	1
Methylcyclohexane	ND		5.0	0.090	ug/L			05/01/17 19:41	1
Methylene Chloride	ND		5.0	1.0	ug/L			05/01/17 19:41	1
Styrene	ND		1.0	0.28	ug/L			05/01/17 19:41	1
Tetrachloroethene	ND		1.0	0.14	ug/L			05/01/17 19:41	1
Toluene	ND		1.0	0.17	ug/L			05/01/17 19:41	1
trans-1,2-Dichloroethene	0.41	J	1.0	0.23	ug/L			05/01/17 19:41	1
trans-1,3-Dichloropropene	ND		1.0	0.17	ug/L			05/01/17 19:41	1
Trichloroethene	ND		1.0	0.20	ug/L			05/01/17 19:41	1
Trichlorofluoromethane	ND	*	1.0	0.21	ug/L			05/01/17 19:41	1
Vinyl chloride	ND		1.0	0.18	ug/L			05/01/17 19:41	1
Xylenes, Total	ND		3.0	0.58	ug/L			05/01/17 19:41	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-15D

Date Collected: 04/19/17 08:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-28

Matrix: Ground 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)	104		70 - 130		05/01/17 19:41	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		05/02/17 16:31	5
4-Bromofluorobenzene (Surr)	100		70 - 130		05/01/17 19:41	1
4-Bromofluorobenzene (Surr)	97		70 - 130		05/02/17 16:31	5
Toluene-d8 (Surr)	98		70 - 130		05/01/17 19:41	1
Toluene-d8 (Surr)	99		70 - 130		05/02/17 16:31	5
Dibromofluoromethane (Surr)	103		70 - 130		05/01/17 19:41	1
Dibromofluoromethane (Surr)	101		70 - 130		05/02/17 16:31	5

Lab Chronicle

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-2

Date Collected: 04/20/17 09:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426590	05/02/17 01:45	BBR	TAL NSH

Client Sample ID: MW-3

Date Collected: 04/20/17 10:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426590	05/02/17 02:11	BBR	TAL NSH

Client Sample ID: MW-4

Date Collected: 04/18/17 14:10

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	426462	05/01/17 16:40	NC	TAL NSH

Client Sample ID: MW-6

Date Collected: 04/19/17 09:40

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426590	05/02/17 02:37	BBR	TAL NSH

Client Sample ID: MW-10

Date Collected: 04/19/17 10:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426590	05/02/17 03:03	BBR	TAL NSH

Client Sample ID: MW-11

Date Collected: 04/18/17 16:55

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 14:04	NC	TAL NSH

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-12

Date Collected: 04/18/17 13:10

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 14:30	NC	TAL NSH

Client Sample ID: MW-16S

Date Collected: 04/20/17 08:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	426590	05/02/17 08:15	BBR	TAL NSH

Client Sample ID: Duplicate

Date Collected: 04/19/17 07:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426590	05/02/17 03:29	BBR	TAL NSH

Client Sample ID: Rinse Blank

Date Collected: 04/18/17 11:45

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 13:38	NC	TAL NSH

Client Sample ID: MW-16D

Date Collected: 04/19/17 15:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-11

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426684	05/02/17 14:21	RP	TAL NSH

Client Sample ID: MW-13S

Date Collected: 04/19/17 12:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-12

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426590	05/02/17 03:55	BBR	TAL NSH

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-8R

Date Collected: 04/18/17 13:35

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-13

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	426684	05/02/17 14:47	RP	TAL NSH

Client Sample ID: MW-13D

Date Collected: 04/19/17 13:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-14

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426590	05/02/17 04:21	BBR	TAL NSH

Client Sample ID: GWCT

Date Collected: 04/18/17 10:20

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 14:56	NC	TAL NSH

Client Sample ID: Trip Blank

Date Collected: 04/18/17 06:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 13:12	NC	TAL NSH

Client Sample ID: DPT-1

Date Collected: 04/18/17 10:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	426462	05/01/17 20:07	NC	TAL NSH

Client Sample ID: DPT-2

Date Collected: 04/18/17 09:40

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	426462	05/01/17 20:33	NC	TAL NSH

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: DPT-3

Date Collected: 04/18/17 09:20

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 15:22	NC	TAL NSH
Total/NA	Analysis	8260C		20	426684	05/02/17 15:13	RP	TAL NSH

Client Sample ID: DPT-4

Date Collected: 04/18/17 09:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	426462	05/01/17 17:58	NC	TAL NSH

Client Sample ID: DPT-5

Date Collected: 04/18/17 08:40

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	426684	05/02/17 15:39	RP	TAL NSH

Client Sample ID: DPT-7

Date Collected: 04/18/17 08:20

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426684	05/02/17 13:29	RP	TAL NSH

Client Sample ID: DPT-8

Date Collected: 04/18/17 08:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	426462	05/01/17 18:24	NC	TAL NSH

Client Sample ID: MW-9

Date Collected: 04/20/17 11:00

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-24

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426684	05/02/17 13:55	RP	TAL NSH

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-116720-1

Client Sample ID: MW-14S

Date Collected: 04/18/17 15:25

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-25

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 15:48	NC	TAL NSH

Client Sample ID: MW-14D

Date Collected: 04/18/17 14:50

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-26

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 16:14	NC	TAL NSH

Client Sample ID: MW-15S

Date Collected: 04/19/17 09:05

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-27

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	426684	05/02/17 16:05	RP	TAL NSH

Client Sample ID: MW-15D

Date Collected: 04/19/17 08:30

Date Received: 04/21/17 11:45

Lab Sample ID: 480-116720-28

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	426462	05/01/17 19:41	NC	TAL NSH
Total/NA	Analysis	8260C		5	426684	05/02/17 16:31	RP	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: AECOM, Inc.

TestAmerica Job ID: 480-116720-1

Project/Site: Scott Figgie West of Plant 2

Laboratory: TestAmerica Buffalo

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

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

Laboratory: TestAmerica Nashville

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
A2LA	A2LA		NA: NELAP & A2LA	12-31-17
A2LA	ISO/IEC 17025		0453.07	12-31-17
Alaska (UST)	State Program	10	UST-087	09-01-17
Arizona	State Program	9	AZ0473	05-05-17 *
Arkansas DEQ	State Program	6	88-0737	04-25-18
California	State Program	9	2938	10-31-18
Connecticut	State Program	1	PH-0220	12-31-17
Florida	NELAP	4	E87358	06-30-17
Georgia	State Program	4	N/A	12-31-17
Illinois	NELAP	5	200010	12-09-17
Iowa	State Program	7	131	04-01-18
Kansas	NELAP	7	E-10229	10-31-17
Kentucky (UST)	State Program	4	19	06-30-17
Kentucky (WW)	State Program	4	90038	12-31-17
Louisiana	NELAP	6	30613	06-30-17
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-18
Massachusetts	State Program	1	M-TN032	06-30-17
Minnesota	NELAP	5	047-999-345	12-31-17
Mississippi	State Program	4	N/A	06-30-17
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-17
New Hampshire	NELAP	1	2963	10-09-17
New Jersey	NELAP	2	TN965	06-30-17
New York	NELAP	2	11342	03-31-18
North Carolina (WW/SW)	State Program	4	387	12-31-17
North Dakota	State Program	8	R-146	06-30-17
Ohio VAP	State Program	5	CL0033	07-10-17
Oklahoma	State Program	6	9412	08-31-17
Oregon	NELAP	10	TN200001	04-27-17 *
Pennsylvania	NELAP	3	68-00585	06-30-17
Rhode Island	State Program	1	LAO00268	12-30-17
South Carolina	State Program	4	84009 (001)	02-28-18
South Carolina (Do Not Use - DW)	State Program	4	84009 (002)	12-16-17
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-17
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-17
Virginia	NELAP	3	460152	06-14-17
Washington	State Program	10	C789	07-19-17
West Virginia DEP	State Program	3	219	02-28-18
Wisconsin	State Program	5	998020430	08-31-17
Wyoming (UST)	A2LA	8	453.07	12-31-17

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

TestAmerica Buffalo

Method Summary

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

TestAmerica Job ID: 480-116720-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL NSH

Protocol References:

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

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

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

TestAmerica Job ID: 480-116720-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-116720-1	MW-2	Ground Water	04/20/17 09:00	04/21/17 11:45
480-116720-2	MW-3	Ground Water	04/20/17 10:00	04/21/17 11:45
480-116720-3	MW-4	Ground Water	04/18/17 14:10	04/21/17 11:45
480-116720-4	MW-6	Ground Water	04/19/17 09:40	04/21/17 11:45
480-116720-5	MW-10	Ground Water	04/19/17 10:30	04/21/17 11:45
480-116720-6	MW-11	Ground Water	04/18/17 16:55	04/21/17 11:45
480-116720-7	MW-12	Ground Water	04/18/17 13:10	04/21/17 11:45
480-116720-8	MW-16S	Ground Water	04/20/17 08:00	04/21/17 11:45
480-116720-9	Duplicate	Water	04/19/17 07:00	04/21/17 11:45
480-116720-10	Rinse Blank	Water	04/18/17 11:45	04/21/17 11:45
480-116720-11	MW-16D	Ground Water	04/19/17 15:00	04/21/17 11:45
480-116720-12	MW-13S	Ground Water	04/19/17 12:00	04/21/17 11:45
480-116720-13	MW-8R	Ground Water	04/18/17 13:35	04/21/17 11:45
480-116720-14	MW-13D	Ground Water	04/19/17 13:00	04/21/17 11:45
480-116720-15	GWCT	Water	04/18/17 10:20	04/21/17 11:45
480-116720-16	Trip Blank	Water	04/18/17 06:30	04/21/17 11:45
480-116720-17	DPT-1	Water	04/18/17 10:00	04/21/17 11:45
480-116720-18	DPT-2	Water	04/18/17 09:40	04/21/17 11:45
480-116720-19	DPT-3	Water	04/18/17 09:20	04/21/17 11:45
480-116720-20	DPT-4	Water	04/18/17 09:00	04/21/17 11:45
480-116720-21	DPT-5	Water	04/18/17 08:40	04/21/17 11:45
480-116720-22	DPT-7	Water	04/18/17 08:20	04/21/17 11:45
480-116720-23	DPT-8	Water	04/18/17 08:00	04/21/17 11:45
480-116720-24	MW-9	Ground Water	04/20/17 11:00	04/21/17 11:45
480-116720-25	MW-14S	Ground Water	04/18/17 15:25	04/21/17 11:45
480-116720-26	MW-14D	Ground Water	04/18/17 14:50	04/21/17 11:45
480-116720-27	MW-15S	Ground Water	04/19/17 09:05	04/21/17 11:45
480-116720-28	MW-15D	Ground Water	04/19/17 08:30	04/21/17 11:45

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-116720-1

Login Number: 116720

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl 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.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-116720-1

Login Number: 116720

List Number: 2

Creator: Shaw, Rashard M

List Source: TestAmerica Nashville

List Creation: 04/28/17 03:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-116720-1

Login Number: 116720

List Number: 3

Creator: Shaw, Rashard M

List Source: TestAmerica Nashville

List Creation: 04/28/17 03:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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	
Residual Chlorine Checked.	N/A	

Chain of Custody Record

Client Information Client Contact: Mr. Dino Zack Company: AECOM, Inc. Address: 257 West Genesee Street, Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: [blank] Email: dino.zack@aecom.com Project Name: Scott Aviation site Site: New York		Sampler: <u>Dino Zack</u> Phone: <u>716 866-8222</u> Lab PM: Fischer, Brian J E-Mail: brian.fischer@testamerica.com		Carrier Tracking No(s): COC No: 480-95218-3450.1 Page: Page 1 of 3 Job #:																																																																																																													
Due Date Requested: TAT Requested (days): <u>Standard TAT</u> PO #: [blank] Purchase Order not requir WO #: [blank] Project #: 48002539 SSOW#: [blank]		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Arnet H - Asac I - Ice J - DI W K - EDT L - EDA Other: 480-116720 COC M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 hydrate 																																																																																																															
Sample Identification <table border="1"> <thead> <tr> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (G=Comp, G=grab)</th> <th>Matrix (W=water, B=soil, G=gravel, O=other)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>826C - TCL list OLM04.2</th> <th>Total Number of containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>4/20/17</td> <td>0900</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/20/17</td> <td>1000</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/18/17</td> <td>1410</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/19/17</td> <td>0940</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/19/17</td> <td>1030</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/18/17</td> <td>1655</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/19/17</td> <td>1310</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/20/17</td> <td>0800</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td>(MW-56)</td> </tr> <tr> <td>4/19/17</td> <td>0700</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/18/17</td> <td>1145</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4/19/17</td> <td>1500</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (W=water, B=soil, G=gravel, O=other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	826C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:	4/20/17	0900	G	Water						4/20/17	1000	G	Water						4/18/17	1410	G	Water						4/19/17	0940	G	Water						4/19/17	1030	G	Water						4/18/17	1655	G	Water						4/19/17	1310	G	Water						4/20/17	0800	G	Water					(MW-56)	4/19/17	0700	G	Water						4/18/17	1145	G	Water						4/19/17	1500	G	Water						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:			
Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (W=water, B=soil, G=gravel, O=other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	826C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:																																																																																																									
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Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by: [blank] Relinquished by: <u>Dino Zack</u> Relinquished by: <u>[Signature]</u> Relinquished by: [blank] Date: 4/20/17 1145hs Date: 4-21-17 1145 Date: [blank] Company: AECOM Company: [blank] Company: [blank]																																																																																																															
Custody Seals Intact: ☒ Yes ☐ No Custody Seal No.:		Cooler Temperature(s) °C and other Remarks: 3, 2, 12, 8																																																																																																															

Chain of Custody Record

Client Information Client Contact: Mr. Dino Zack Company: AECOM, Inc. Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: [blank] Email: dino.zack@aecom.com Project Name: Scott Aviation site Site: New York		Sampler: <i>Dino Zack</i> Phone: 716-866-8222 Lab PM: Fischer, Brian J E-Mail: brian.fischer@testamericainc.com		Carrier Tracking No(s): COC No: 480-95218-3450.2 Page: Page 2 of 3 Job #:	
Due Date Requested: TAT Requested (days): <i>Standard TAT</i> PO #: Purchase Order not requir WO #: [blank] Project #: 48002539 SSOW#: [blank]		Analysis Requested Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsMeO2 D - Nitric Acid P - Na2SO4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecylhydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:			
Sample Identification Sample Date Sample Time Sample Type (G=Comp, G=grab) Matrix (W=water, S=solid, O=unknown, B=trace, A=air) MW-13S 4/19/17 1200 G Water MW-9R 4/18/17 1335 G Water MW-13D 4/19/17 1300 G Water GWCT 4/18/17 1020 G Water Trip 4/18/17 0630 G Water DPT-1 4/18/17 1000 G Water DPT-2 4/18/17 0940 G Water DPT-3 4/18/17 0920 G Water DPT-4 4/18/17 0900 G Water DPT-5 4/18/17 0840 G Water DPT-7 4/18/17 0820 G Water		Field Filtered Sample (Yes or No) ☒ A Perform MS/MSD (Yes or No) ☒ A Total Number of Containers ☒ X 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			
Empty Kit Relinquished by: <i>Dino Zack</i> Relinquished by: <i>SEK</i> Relinquished by: <i>SEK</i> Relinquished by:		Time: Date: Method of Shipment: Received by: <i>SEK</i> Date/Time: 4.21.17 1130 Company: TAC Received by: <i>SEK</i> Date/Time: 4.21.17 1145 Company: TAC Received by: <i>SEK</i> Date/Time: 4.21.17 1150 Company: TAC			
Custody Seal Intact: ☒ Yes ☐ No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.24 2.18 #1			

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 891-2600 Fax (716) 891-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Mr. Dino Zack Phone: 716 866-8222 Company: AECOM, Inc.		Lab P/N: Fischer, Brian J E-Mail: brian.fischer@testamericainc.com		Carrier Tracking No(s): 480-95218-3450.3 Page: Page 3 of 3 Job #:	
Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone:		Analysis Requested			
Email: dino.zack@aecom.com Project Name: Scott Aviation site Site: New York		Due Date Requested: TAT Requested (days): Standard TAT PO #: Purchase Order not required WO #: 48002539 Project #: 48002539 SSOW#:			
Sample Identification		Total Number of Containers:			
Sample Date: 4/18/17 Sample Time: 0800 Sample Type (C=Comp, G=grab): G Matrix (W=water, S=solid, O=oil, A=air): Water		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ascorbic Acid H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:			
Special Instructions/Note:		Special Instructions/Note:			
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:			
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: 4/20/17 1145hrs Date: 4/20/17 1145 Date: 4/20/17 1145 Date: 4/20/17 1145			
Custody Seal Intact: ☒ Yes ☐ No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.2, 2.8 #1			

COOLER RECEIPT FORM



480-116720 Chain of Custody

Cooler Received/Opened On 4/28/2017 @ 1005

Time Samples Removed From Cooler 15:42 Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 0600 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 14740456 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 5.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler?

YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly?

YES...NO...NA

6. Were custody papers inside cooler?

YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) cm

7. Were custody seals on containers:

YES

NO

and Intact

YES...NO...NA

Were these signed and dated correctly?

YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:

Ice

Ice-pack

Ice (direct contact)

Dry ice

Other None

10. Did all containers arrive in good condition (unbroken)?

YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?

YES...NO...NA

12. Did all container labels and tags agree with custody papers?

YES...NO...NA

13a. Were VOA vials received?

YES...NO...NA

b. Was there any observable headspace present in any VOA vial?

YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) De

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used

YES...NO...NA

16. Was residual chlorine present?

YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) JS

17. Were custody papers properly filled out (ink, signed, etc)?

YES...NO...NA

18. Did you sign the custody papers in the appropriate place?

YES...NO...NA

19. Were correct containers used for the analysis requested?

YES...NO...NA

20. Was sufficient amount of sample sent in each container?

YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) JS

I certify that I attached a label with the unique LIMS number to each container (initial) JS

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# _____

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

Chain of Custody Record



Loc: 480
116720



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)

Client Contact:
Shipping/Receiving:
Company: TestAmerica Laboratories, Inc.
Address: 2960 Foster Creighton Drive,
City: Nashville
State: TN, Zip: 37204
Phone: 615-726-0777(Tel) 615-726-3404(Fax)
Email:
Project Name: Scott Figgle West of Plant 2
Site: Scott Aviation Site

Sampler:
Phone:
Due Date Requested: 5/3/2017
TAT Requested (days):

Lab PM: Fischer, Brian J
E-Mail: brian.fischer@testamericainc.com
Accreditations Required (See note): NELAP - New York

City:
State:
New York

COC No: 480-34616.1
Page: Page 1 of 4
Job #: 480-116720-1

Analysis Requested

Analysis Requested

Preservation Codes:

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

Sample Identification - Client ID (Lab ID)

Sample ID	Sample Date	Sample Time	Sample Type (G=Comp, A=All)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
MMV-2 (480-116720-1)	4/20/17	09:00	Water		X			3	
MMV-3 (480-116720-2)	4/20/17	10:00	Water		X			3	
MMV-4 (480-116720-3)	4/18/17	14:10	Water		X			3	
MMV-6 (480-116720-4)	4/19/17	09:40	Water		X			3	
MMV-10 (480-116720-5)	4/19/17	10:30	Water		X			3	
MMV-11 (480-116720-6)	4/18/17	16:55	Water		X			3	
MMV-12 (480-116720-7)	4/18/17	13:10	Water		X			3	
MMV-16S (480-116720-8)	4/20/17	08:00	Water		X			3	
Duplicate (480-116720-9)	4/19/17	07:00	Water		X			3	

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

Possible Hazard Identification

Unconfirmed

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

Primary Deliverable Rank: 1

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

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by:
Relinquished by:
Relinquished by:

Date/Time:
Date/Time:
Date/Time:

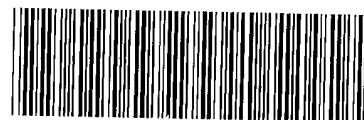
Company:
Company:
Company:

Received by:
Received by:
Received by:

Date/Time:
Date/Time:
Date/Time:

Company:
Company:
Company:

COOLER RECEIPT FORM



480-116720 Chain of Custody

Cooler Received/Opened On 4/28/2017 @ 1005

Time Samples Removed From Cooler 15:42 Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 0600 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 14740456 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 5.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler?

YES...NO...NA

If yes, how many and where: 1 FRONT

5. Were the seals intact, signed, and dated correctly?

YES...NO...NA

6. Were custody papers inside cooler?

YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers:

YES

NO

and Intact

YES...NO...NA

Were these signed and dated correctly?

YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:

Ice

Ice-pack

Ice (direct contact)

Dry ice

Other

None

10. Did all containers arrive in good condition (unbroken)?

YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?

YES...NO...NA

12. Did all container labels and tags agree with custody papers?

YES...NO...NA

13a. Were VOA vials received?

YES...NO...NA

b. Was there any observable headspace present in any VOA vial?

YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used

YES...NO...NA

16. Was residual chlorine present?

YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)?

YES...NO...NA

18. Did you sign the custody papers in the appropriate place?

YES...NO...NA

19. Were correct containers used for the analysis requested?

YES...NO...NA

20. Was sufficient amount of sample sent in each container?

YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

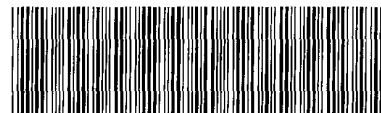
21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# _____

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

Chain of Custody Record

Loc: 480
116720

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrie	COC No:					
Client Contact:	Phone:	Fischer, Brian J			480-346162					
Shipping/Receiving	E-Mail:	brian.fischer@testamericainc.com	State	New York	Page: 2 of 4					
Company:	Accreditations Required (See note):	NEELAP - New York	Job #:	480-116720-1	Page: 2 of 4					
Address:	Due Date Requested:	5/3/2017	Analysis Requested							
2960 Foster Creighton Drive,	TAT Requested (days):									
Nashville										
State Zip:	PO #:									
TN, 37204	WO #:									
Phone:										
615-726-0177(Tel) 615-726-3404(Fax)										
Email:										
Project Name:	Project #:	48002539								
Scott Figgie West of Plant 2	SSOW#:									
Site:										
Scott Aviation Site										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:
Rinse Blank (480-116720-10)	4/18/17	11:45	Eastern	Water		X				
MMW-16D (480-116720-11)	4/19/17	15:00	Eastern	Water		X				
MMW-13S (480-116720-12)	4/19/17	12:00	Eastern	Water		X				
MMW-8R (480-116720-13)	4/18/17	13:35	Eastern	Water		X				
MMW-13D (480-116720-14)	4/19/17	13:00	Eastern	Water		X				
GWCT (480-116720-15)	4/18/17	10:20	Eastern	Water		X				
Trip Blank (480-116720-16)	4/18/17	06:30	Eastern	Water		X				
DPT-1 (480-116720-17)	4/18/17	10:00	Eastern	Water		X				
DPT-2 (480-116720-18)	4/18/17	09:40	Eastern	Water		X				
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. I										
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (Specify) Primary Deliverable Rank: 1 Empty Kit Relinquished by: Date: Time: Method of Shipment: Relinquished by: Date/Time: Company: Received by: Date/Time: Company: Relinquished by: Date/Time: Company: Received by: Date/Time: Company: Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:										



COOLER RECEIPT FORM

Cooler Received/Opened On 4/28/2017 @ 1005Time Samples Removed From Cooler 15:42 Time Samples Placed In Storage _____ (2 Hour Window)1. Tracking # 0600 (last 4 digits, FedEx) Courier: FedExIR Gun ID 14740456 pH Strip Lot _____ Chlorine Strip Lot _____2. Temperature of rep. sample or temp blank when opened: 5.5 Degrees Celsius3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA4. Were custody seals on outside of cooler? YES...NO...NAIf yes, how many and where: 1 Front5. Were the seals intact, signed, and dated correctly? YES...NO...NA6. Were custody papers inside cooler? YES...NO...NAI certify that I opened the cooler and answered questions 1-6 (initial) [Signature]7. Were custody seals on containers: YES NO and Intact YES...NO...NAWere these signed and dated correctly? YES...NO...NA8. Packing mat'l used? Bubblewrap NO Plastic bag NO Peanuts Vermiculite Foam Insert Paper Other None9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None10. Did all containers arrive in good condition (unbroken)? YES...NO...NA11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA12. Did all container labels and tags agree with custody papers? YES...NO...NA13a. Were VOA vials received? YES...NO...NAb. Was there any observable headspace present in any VOA vial? YES...NO...NA14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NAb. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA16. Was residual chlorine present? YES...NO...NAI certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA18. Did you sign the custody papers in the appropriate place? YES...NO...NA19. Were correct containers used for the analysis requested? YES...NO...NA20. Was sufficient amount of sample sent in each container? YES...NO...NAI certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# _____

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Chain of Custody Record

Loc: 480
116720

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]



COOLER RECEIPT FORM

Cooler Received/Opened On 4/28/2017 @ 1005

Time Samples Removed From Cooler 15:42 Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 0600 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 14740456 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 5.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# _____

TestAmerica Buffalo

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

Chain of Custody Record

Loc: 480
116720

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	COC No:																																																																																																				
Client Contact:	Phone:	Fischer, Brian J	480-34616.3																																																																																																					
Shipping/Receiving:	E-Mail:	brian.fischer@testamericainc.com	Page:	Page 3 of 4																																																																																																				
Company:	TestAmerica Laboratories, Inc	Accreditations Required (See note):	Job #:	480-116720-1																																																																																																				
Address:	2980 Foster Creighton Drive,	Due Date Requested:	5/3/2017																																																																																																					
City:	Nashville	TAT Requested (days):																																																																																																						
State, Zip:	TN, 37204	PO #:																																																																																																						
Phone:	615-726-0177(Tel) 615-726-3404(Fax)	WO #:																																																																																																						
Email:		Project #:	48002539																																																																																																					
Project Name:	Scott Figgle West of Plant 2	SSOW#:																																																																																																						
Site:	Scott Aviation Site																																																																																																							
<table border="1"> <thead> <tr> <th>Sample Identification - Client ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (Water, Seawater, Oil, etc.)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>Analysis Requested</th> <th>Total Number of containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>DPT-3 (480-116720-19)</td> <td>4/18/17</td> <td>09:20</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>DPT-4 (480-116720-20)</td> <td>4/18/17</td> <td>09:00</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>DPT-5 (480-116720-21)</td> <td>4/18/17</td> <td>08:40</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>DPT-7 (480-116720-22)</td> <td>4/18/17</td> <td>08:20</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>DPT-8 (480-116720-23)</td> <td>4/18/17</td> <td>08:00</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>MMW-9 (480-116720-24)</td> <td>4/20/17</td> <td>11:00</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>MMW-14S (480-116720-25)</td> <td>4/18/17</td> <td>15:25</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>MMW-14D (480-116720-26)</td> <td>4/18/17</td> <td>14:50</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>MMW-15S (480-116720-27)</td> <td>4/19/17</td> <td>09:05</td> <td>Eastern</td> <td>Water</td> <td>X</td> <td></td> <td></td> <td>3</td> <td></td> </tr> </tbody> </table>					Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Seawater, Oil, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:	DPT-3 (480-116720-19)	4/18/17	09:20	Eastern	Water	X			3		DPT-4 (480-116720-20)	4/18/17	09:00	Eastern	Water	X			3		DPT-5 (480-116720-21)	4/18/17	08:40	Eastern	Water	X			3		DPT-7 (480-116720-22)	4/18/17	08:20	Eastern	Water	X			3		DPT-8 (480-116720-23)	4/18/17	08:00	Eastern	Water	X			3		MMW-9 (480-116720-24)	4/20/17	11:00	Eastern	Water	X			3		MMW-14S (480-116720-25)	4/18/17	15:25	Eastern	Water	X			3		MMW-14D (480-116720-26)	4/18/17	14:50	Eastern	Water	X			3		MMW-15S (480-116720-27)	4/19/17	09:05	Eastern	Water	X			3	
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Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																																																																																																								
Empty Kit Relinquished by: Relinquished by: <i>[Signature]</i> Date/Time: <i>4/29/17 16:00</i> Company: <i>TAB</i> Relinquished by: Date/Time: Company: Relinquished by: Date/Time: Company: Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks: <i>CS</i>																																																																																																								