AECOM Environment

Prepared for:
Scott Technologies, Inc.
aka Scott Figgie LLC
Princeton, NJ

Prepared by:
AECOM
Buffalo, NY
60155991
July 2015

Periodic Review Report
(April 7, 2014 through April 7, 2015)

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

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Dino L. Zack, P.G.

_____
Prepared By [Name]

Scott A. Underhill, P.E.

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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
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/m3	micrograms per cubic meter
µg/L	micrograms per liter
NYCRR	New York Codes, Rules and Regulations
NYSDEC	State of New York 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, 2014 through April 7, 2015)," prepared by AECOM Technical Services, Inc. for Tyco International, 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.

Signature: _____

Scott A. Underhill, P.E.
New York License No. 075332
AECOM Technical Services, Inc.

Date: July 31, 2015

1.0 Introduction

On behalf of Scott Technologies, Inc. (aka Scott Figgie LLC), hereinafter "Scott", and pursuant to the requirements of State of New York, 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 property (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 915149, which was signed into Declaration on November 7, 1994 (NYSDEC, November 1994). The reporting period discussed herein encompasses the period between April 7, 2014 and April 7, 2015.

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 2015 comprehensive groundwater monitoring event, and a comparison of historical comprehensive groundwater analytical results to the April 2015 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). Based on the deep overburden wells, the average thickness of the overburden is approximately 21 feet (ft) below ground surface (bgs); 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. The natural flow of groundwater at the Site 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 southwest 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). 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). 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) 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 under a City of Buffalo Pollutant Discharge Elimination System permit via a 2-inch diameter force main to the local sanitary sewer located south of the GWTB at Erie Street (O'Brien & Gere, July 1996). Start-up of the groundwater treatment system occurred on March 1, 1996. **Figure 2** shows the location of the GWCT and GWTB.

1.2.5 Additional Investigation Activities

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

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

1.2.6 Remedial Alternatives Analysis

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

At the request of the NYSDEC, a Remedial Design Work Plan (RDWP) was prepared that provided a detailed description of the proposed DPE system recommended in the SICR (Earth Tech, November 2003). 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 ug/L trichloroethene (TCE) plume as defined in 2010. A second series of injections was performed between June and October 2011. A review of groundwater data at the source wells following the pilot test indicated a spike in TCE concentrations followed by a decline to below baseline concentrations.

On November 6, 2014, AECOM submitted an Injection Pilot Test Work Plan to NYSDEC outlining an injection 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. Following the November 2014 injection of ABC+®, two rounds of groundwater samples were collected and analyzed for VOCs. The VOC groundwater data collected January 2015 and April 2015, showed decreasing concentrations of TCE in the area of the first phase of injections.

On April 28, 2015, AECOM submitted an addendum to the Injection Pilot Test Work Plan to NYSDEC outlining an injection to be performed with the injectate ABC+®. Following NYSDEC approval, the pilot test was performed between April and May 2014 in an approximate 3,600 square foot area centered between monitoring wells MW-4, MW-8R, MW-13S/D, and MW-16S/D, and dual phase extraction wells DPT-3, DPT-4, DPT-5, DPT-7, and DPT-8. 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. 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 will induce 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 remediation system O&M activities performed during the reporting period (April 7, 2014 through April 7, 2015) for the combined DPE remediation system.

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 3** 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 4**. Monitoring well, nested piezometer, injection well and DPE system recovery well construction specifications 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 5** presents the process and instrumentation diagram for the combined DPE remediation system.

During the current reporting period, the combined DPE remediation system extracted groundwater and soil vapors from the shallow and deep recovery wells. Shallow recovery well DPE-6 (located in the former soil excavation area to the east of the GWCT), was inoperable due to excessive calcium hydroxide (lime) scale buildup issues. The optimization plan during the current reporting period was to focus extraction on both the shallow and deep perched water-bearing units, which consist of silty clays and silty sands, poorly sorted sands, and gravel respectively.

Recovery wells DPE-1, DPE-5, and DPE-6 have not been operated since the first year of system operation due to lime scale. This scale caused continuous fouling of DPE recovery system conveyance piping and associated components and subsequently resulted in excessive downtime of the DPE system for maintenance. The scale within these three extraction wells is attributed to historic soil remediation activities conducted at the Site that mixed excavated soil with pulverized quick lime. The treated soil was subsequently used as backfill in the vicinity of these recovery wells (refer to Section 1.2.4.1 of this report).

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 LPR and an injection pilot test (refer to Section 1.2.7). The GWCT, however, remained in operation. During the current reporting period from April 7, 2014 through April 7, 2015, the total combined system groundwater treated and discharged to the sanitary sewer via the AS unit was approximately 691,521 gallons, at a combined average flow rate of 1.32 gpm. The treated groundwater was discharged to the Buffalo Sewer Authority (BSA) sewer system.

2.3 Routine DPE System Maintenance and Troubleshooting

The following subsections describe routine DPE 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, inspected and cleaned the various system components and piping, inspected and replaced filters (air and water), and maintained the LRP seal fluid levels. 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

Several system shutdowns and delays that required sporadic troubleshooting and maintenance occurred during the current reporting period. These activities are summarized below. (Note: This information is on the basis of Tyco's fiscal year, which begins in October.)

Third Quarter 2014 (following April 2014 sampling event through end of July 2014 sampling event) combined DPE remedial system O&M:

- Routine O&M to the combined DPE remedial system including removing sediment accumulated in the piping between the hold tank pump and the bag filter vessels.
- LRP wiring issues were addressed on May 22, 2014 and the DPE system was re-started.

Fourth Quarter 2014 (following July 2014 sampling event through end of October 2014 sampling event) combined DPE remedial system O&M:

- On August 6, 2014, removal of hazardous waste materials (see Section 2.3.3).
- The DPE LRP was taken off line due to mechanical issues on August 6, 2014; the GWCT remediation system remained in operation. A new Travaini brand LRP was ordered.
- Winterized the combined DPE remedial system, which remained off.

First Quarter 2015 (following October 2014 sampling event through end of January 2015 sampling event) combined DPE remedial system O&M;

- Installed a new Travaini brand LRP; the pump was left off line to accommodate the November 2014 injection pilot test. Note: the GWCT remediation system remained in operation.

- As a result of the DPE LRP being off line since August 6, 2014, no hazardous waste was generated, and subsequently, no hazardous waste pickup in January 2015.

Second Quarter 2015 (following January 2015 sampling event through end of April 2015 sampling event) combined DPE remedial system O&M:

- Annual remediation system O&M activity completed on March 1, 2015 (refer to Section 5.2, bullet 7 for a description of activities performed during the annual O&M event).
- DPE system remained off through the end of this PRR period of April 7, 2015.

2.3.3 Waste Disposal

On August 6, 2014, HES transported and disposed one 55-gallon drum (157 pounds) containing sediment, bag filters, and miscellaneous debris. This hazardous material (F002 waste code) was generated during O&M activities conducted at the Site between February 2014 and August 2014. AECOM personnel supervised the loading of the drum at the Site prior to transportation to an approved disposal facility.

As a result of the LRP being off line to accommodate the injection pilot test, no hazardous was generated between August 2014 and January 2015, and therefore, the routine January waste pickup was not performed.

The next hazardous waste pickup (for waste generated between March 2015 and July 2015) is scheduled for July 2015.

3.0 Groundwater Monitoring Summary

The following sections provide a detailed description of groundwater monitoring activities completed during the current reporting period (April 7, 2014 through April 7, 2015), 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. The monitoring wells sampled varied during this reporting period. The NYSDEC-approved RAER defined the monitoring wells to be sampled during subsequent monitoring events (Table 10, Earth Tech, November 2005). A total of four groundwater monitoring events were performed during the current reporting period (**Table 3**). These included three targeted quarterly monitoring events (July 2014, October 2014, and January 2015) and one comprehensive monitoring event (April 2015).

In July 2014, October 2014, and January 2015, 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 April 2015, a comprehensive groundwater monitoring event included all Site monitoring wells and nested piezometer pairs (17 total wells). Discussions of the results and the associated laboratory reports for the July 2014, October 2014, and January 2015 groundwater sampling events have previously been provided to the NYSDEC in quarterly monitoring summary reports (AECOM, August 2014; AECOM, November 2014; and AECOM, February 2015). A discussion of the groundwater analytical results for the comprehensive April 2015 sampling event is presented in Sections 3.2 and 3.3 of this report.

3.2 April 2015 Groundwater Elevations and Groundwater Flow Direction

AECOM personnel collected groundwater samples for the latest comprehensive monitoring event between April 6 and 7, 2015, in accordance with the procedures outlined in the NYSDEC-approved RDWP. Monitoring wells sampled in April 2014 were 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, and MW-16D (**Figure 2**). Field forms generated during the April 2014 sampling event are provided in **Appendix B**. Groundwater samples were analyzed for VOCs by TestAmerica, Inc. located in Amherst, New York, using Method 8260B in United States Environmental Protection Agency (USEPA) analytical procedures manual SW-846.

A complete round of groundwater levels was measured for all Site wells and piezometers. **Table 4** provides a summary of groundwater elevations measured on April 6, 2015. A historical summary of groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair are 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).

Two groundwater surface contour maps for April 2015 are provided. The average water levels calculated for the nested piezometer pairs in conjunction with monitoring well water level data were used to generate the groundwater surface contours presented in **Figure 6**. **Figure 7** illustrates the groundwater surface contours using monitoring well and deep piezometer water level data.

Groundwater elevations measured in April 2015 ranged from 674.47 ft above mean sea level (AMSL) at MW-15D to 687.01 ft AMSL at MW-15S. Based on these water level measurements, the groundwater surface beneath the Site continues to exhibit a radial pattern (i.e., cone of depression), and groundwater flows inward towards the operating DPE recovery wells and the GWCT. **Figures 6** and **7** show depressions in the water table surface centered on MW-4, MW-9, MW-14S/D and MW-16D, which are located west of 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 2015 Groundwater Analytical Results

The April 2015 groundwater sampling event was the tenth comprehensive sampling event conducted at the Site following the installation of the DPE system in May 2004. VOCs detected in groundwater during the April 2015 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 2015

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/NYCRR Exceedances
cis-1,2-Dichloroethene	1.4 – 220,000	11	9
Vinyl chloride	6.7 – 8,500	8	8
Chloroethane	2.0 – 560	8	5
1,1-Dichloroethane	4.7 – 450	6	6
Trichloroethene	40 – 31,000	5	5
1,1-Dichloroethene	0.78 – 1,600	5	4
1,2-Dichloroethane	0.21 – 1.0	4	1
2-Butanone	290	2	2
Benzene	0.87 – 0.95	2	0
Acetone	900	1	1
Toluene	88	1	1
Xylenes, total	14	1	1

A total of 12 VOCs were detected in groundwater during the April 2015 sampling event. Eleven of the 12 VOCs detected exceeded either the Site-specific RAOs or the NYCRR criteria for groundwater at one or more wells. **Figures 8** through **15** illustrate April 2015 isoconcentration contours for TCE, Toluene, cis-1,2-Dichloroethene (cis-1,2-DCE), Vinyl Chloride (VC), 1,1-Dichloroethane (1,1-DCA), Chloroethane, Xylenes (total), and total VOCs, respectively. These compounds are listed in the ROD as the Site-specific compounds for which RAOs were established.

The highest concentrations of VOCs were detected west of the GWCT and the former soil excavation area, in a suspected remnant source area located in the vicinity of MW-4, MW-8R, MW-13S, and MW-16S. TCE and cis-1,2-DCE 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.

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 naturally at the Site. The occurrence of these daughter products appears to be directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. The highest concentrations of TCE detected during the April 2015 sampling event were centered on a suspected source area located in the vicinity of MW-13S and MW-16S. The daughter products of TCE and 1,1,1-TCA were also detected at their highest concentrations around this suspected source area. A limited number of other VOCs were sporadically detected in the perched groundwater at the Site, with the majority of these detections at MW-15S.

An electronic copy of the analytical laboratory data package for the April 2014 sampling event is provided in **Appendix D** on a compact disc (CD).

3.4 Comparison of April 2015 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 2015 sampling event, has already been submitted to the NYSDEC in quarterly summary reports. Trend plots illustrating concentrations of TCE, cis-1,2-DCE, VC, chloroethane, 1,1-DCA, and 1,1,1-TCA over time are provided in **Appendix E**. Because concentrations of TCE are among the highest detected at the Site, a discussion of historical and current TCE concentrations in perched groundwater at Site monitoring wells and piezometers is provided in the table below.

TCE concentrations decreased or remained constant in all but one well (MW-13S) since the last comprehensive groundwater sampling event conducted at the Site in April 2014. The percent reduction in TCE concentrations ranged from 3% in MW-13S to 99% in MW-4. Groundwater collected from perimeter monitoring wells MW-2, MW-3, MW-6, MW-9, MW-10, MW-11, and MW-12, contained no detections of TCE at or above the reporting detection limit. Based on these results, the combined DPE and GWCT treatment system continues to successfully prevent migration of TCE off-site.

Summary of Annual TCE Concentrations in Groundwater through April 2015

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	Percent TCE Increase/ (Decrease) from April 2014
MW-2	<10	< 25	< 5	< 5	<25	<1	<1	<1	<1	<5	NA
MW-3	<10	< 25	5 J	< 5	<5	<1	<1	<1	<1	<1	NA
MW-4	NS	2,400	4,800	19,000	3,000	13,000	39,000	12,000	32,000	110	(99%)
MW-6	< 10	< 5	0.63 J	< 5	<5	<1	<1	<1	<1	<1	NA
MW-8R	15,000	16,000	2,200	8,400	2,500 J	8,900	99,000	64,000	100,000	<2,000	(>98%)
MW-9	< 10	1.3	2.6 J	< 5	<5	<1	<1	<1	<1	<1	NA
MW-10	<10	< 5	< 5	< 5	<5	<1	<1	<1	<1	<1	NA
MW-11	<10	< 20	0.71	0.77 J	0.95 J	1.2	0.51	<1	<1	<2	NA
MW-12	< 10	< 25	< 5	NS	<5	<1	<1	<1	<1	<1	NA
MW-13S	760	17,000	570	3,400	1,400	40,000	39,000	40,000	32,000	31,000	(3%)
MW-13D	8	2 J	< 5	< 5	< 5	22	62	53	30	40	33%
MW-14S	< 10	5.7 J	< 5	0.38 J	< 5	< 1	1.3	<1	<1	<1	NA
MW-14D	10	0.96 J	< 5	< 5	9.4	0.97	0.64J	0.99	<1	<1	NA
MW-15S	400	400	400	180	270	200	240	140	160	85	(47%)
MW-15D	< 50	4.9 J	3.6 J	< 25	<5	<8	<10	<8	<20	<20	NA
MW-16S	400,000	310,000	130,000	92,000	220,000	250,000	250,000	230,000	61,000	26,000	(57%)
MW-16D	32	6.1	6 J	52	12	22	42	57	<25	<20	NA

Notes: J – Estimated concentration.
NS – Not sampled.
NA – Not available.

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 2014 through April 2015.

4.1 System Monitoring Results

4.1.1 Air Discharge Monitoring

Samples were obtained from the vapor effluent of the LRP and/or the AS on a quarterly basis and analyzed by TestAmerica, Inc., located in South Burlington, Vermont, using by 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 both vapor discharges are 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 2014, October 2014, and January 2015) 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.

AECOM collected vapor effluent samples from the AS unit for the final quarterly monitoring event of the reporting period on April 6, 2015. The DPE system vapor effluent analytical results for the reporting period are summarized in **Table 6**, and an electronic copy of the analytical laboratory data package is provided on the enclosed CD in **Appendix D**. During the April 2015 event, a total of four VOCs were detected in the AS unit effluent. The total VOC discharge was 12 micrograms per cubic meter ($\mu g/m^3$) in the AS unit effluent (the LRP was off line). Based on these effluent totals, the calculated VOC discharge-loading rate for the combined DPE remediation system was < 0.0001 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, AECOM assumed responsibility for BSA permit compliance sampling and reporting. The current BSA permit (No. 14-04-E4045) for the combined DPE remediation system will expire on March 31, 2017.

The current BSA 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 BSA compliance samples from the AS unit treated effluent discharge sampling point in July 2014, October 2014, January 2015, and April 2015. Each quarter, AECOM tabulated the analytical data, converted the data to mass loading rates, compared the results to the BSA permit requirements, and prepared a letter report for submittal to the BSA and NYSDEC. No exceedance of any BSA permit discharge limit occurred during any of the four reporting periods.

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 during the reporting period (April 7, 2014 through April 7, 2015). The mass removal via groundwater extraction by the combined DPE remediation system was calculated using total influent VOC concentrations, collected quarterly, and AS unit totalizer readings. The calculations are presented in **Table 7**. As shown in the table, approximately 0.784 pounds of VOCs were removed via groundwater extraction by the combined GWCT and DPE systems per data collected from the July 2014 through April 2015 sampling events.

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 8**; approximately 16.5 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 17.28 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 October 2014, January 2015, and April 2015 sampling events.

Combining the totals for the 10 reporting periods, the cumulative mass of VOCs removed by the system is estimated at 3,002.9 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 combined DPE 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. Approximately 17.28 pounds of VOCs were removed by the combined DPE remediation system during the reporting period from April 7, 2014 through April 7, 2015. An estimated cumulative total of 3,002.9 pounds of VOCs has been removed since system startup on May 14, 2004.
2. The DPE remediation system was offline intermittently between April 7, 2014 and August 8, 2015 due to minor issues with conveyance pumps and the LRP. The DPE remediation system was completely off line from August 8, 2014 to April 7, 2015 as a result of replacement of the LRP and the November 2014 injection pilot test. Although the DPE runtime for the reporting period was less than 20%, the GWCT ran continuously with only minor downtime.
3. During the current reporting period from April 7, 2014 through April 7, 2015, the total combined system groundwater treated and discharged to the sanitary sewer via the AS unit was approximately 691,521 gallons, at a combined average flow rate of 1.32 gpm.
4. The system discharges were in compliance with applicable requirements (i.e., BSA effluent discharge permit for liquids, and the NYSDEC emission standard for vapor of 0.5 lb/hr).
5. Groundwater elevations measured on April 7, 2015 ranged from 674.47 ft AMSL to 687.01 ft AMSL. The groundwater surface exhibits a cone of depression, with groundwater flowing inward towards the DPE recovery wells and the GWCT. This cone of depression is centered at MW-4, which is located at the western property boundary. The combined DPE remediation system continues to induce groundwater flow reversal along the western property boundary, which serves to mitigate further off-site migration of VOCs in the perched water-bearing unit.
6. Cis-1,2-DCE, 1,1-DCA, VC, TCE, and chloroethane were the most frequently detected VOCs in groundwater. For the April 2015 comprehensive groundwater sampling event, the highest concentrations of VOCs were detected west of the GWCT and the former source area soil excavation.
7. The presence and distribution of TCE daughter products (cis-1,2-DCE, VC, chloroethane) and 1,1,1-TCA daughter products (1,1,-DCA and chloroethane) continued to provide supportive evidence that the attenuation of TCE and 1,1,1-TCA via reductive dechlorination is occurring naturally at the Site.
8. TCE concentrations decreased in all but one well (MW-13D from 30 ppb to 40 ppb) since the last comprehensive groundwater sampling event conducted at the Site in April 2015. The percent reduction in TCE concentrations in groundwater ranged from 99% (32,000 ppb to 110 ppb) at MW-4 to 3% (32,000 ppb to 31,000 ppb) at MW-8R.

9. The groundwater analytical data and groundwater elevation data indicate that the DPE and GWCT continue to maintain hydraulic control of shallow and deep groundwater, eliminating potential off-site migration of VOCs along the western property boundary.

5.2 Recommendations

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

1. Return the DPE system to operation. Once operating, target 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.
2. Repair DPE-8 transfer piping by removing the calcium hydroxide (lime) buildup.
3. Continue to sample active DPE wells for VOCs.
4. Clean and/or replace the manifold for the DPE system fouled with calcium hydroxide (lime) buildup, prior to the April 2016 groundwater sampling event.
5. Redevelop DPE-1 and DPE-5 with acid to remove excessive lime buildup.
6. Continue to use oil absorbent booms in MW-4, MW-8R, MW-13S, and MW-16S between groundwater sampling events, as needed, to collect any LNAPL present. Used absorbent booms will be disposed as part of semi-annual disposal activities.
7. Continue to perform O&M activities as listed in **Table 9** and as described in the SMP.
8. Perform three targeted quarterly groundwater sampling events and one comprehensive groundwater sampling event during the next reporting period, as described in the SMP.

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 10**. As shown in **Table 10**, six perimeter wells, six suspected source area wells (MW-4, MW-8R, MW-13S, MW-13D, MW-16S, and MW-16D), and five dual phase extraction wells (DPT-3, DPT-4, DPT-5, DPT-7, and DPT-8) will be sampled during the next two targeted quarterly events (July 2015, October 2015); six perimeter wells and four suspected source area wells (MW-4, MW-8R, MW-16S, and MW-13S) will be sampled during last quarterly event (January 2016) for the next reporting period. The comprehensive groundwater monitoring event scheduled for April 2016 will include all 17 Site monitoring wells and nested piezometers.

Prior to the 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 8260B. 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 samples from the AS unit effluent discharge to the sanitary sewer will be collected as specified in the current BSA 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 11** 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 (eleventh 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 2016 comprehensive groundwater sampling event and will cover the period of April 2015 through April 2016.

6.0 Evaluate Remedy Performance, Effectiveness, and Protectiveness

6.1 Institutional Controls and Engineering Controls Certification

An Institutional Controls and Engineering Controls certification form was not distributed by NYSDEC for the reporting period. Per direction from NYSDEC on July 22, 2015, this PRR was to be submitted without Institutional Controls and Engineering Controls certification form.

7.0 References

AECOM. February 2015. "First Quarter 2015 Groundwater Monitoring Report, January 2015 Sampling Event, Former Scott Aviation Facility, Lancaster, New York, NYSDEC Site Code No. 9-15-149".

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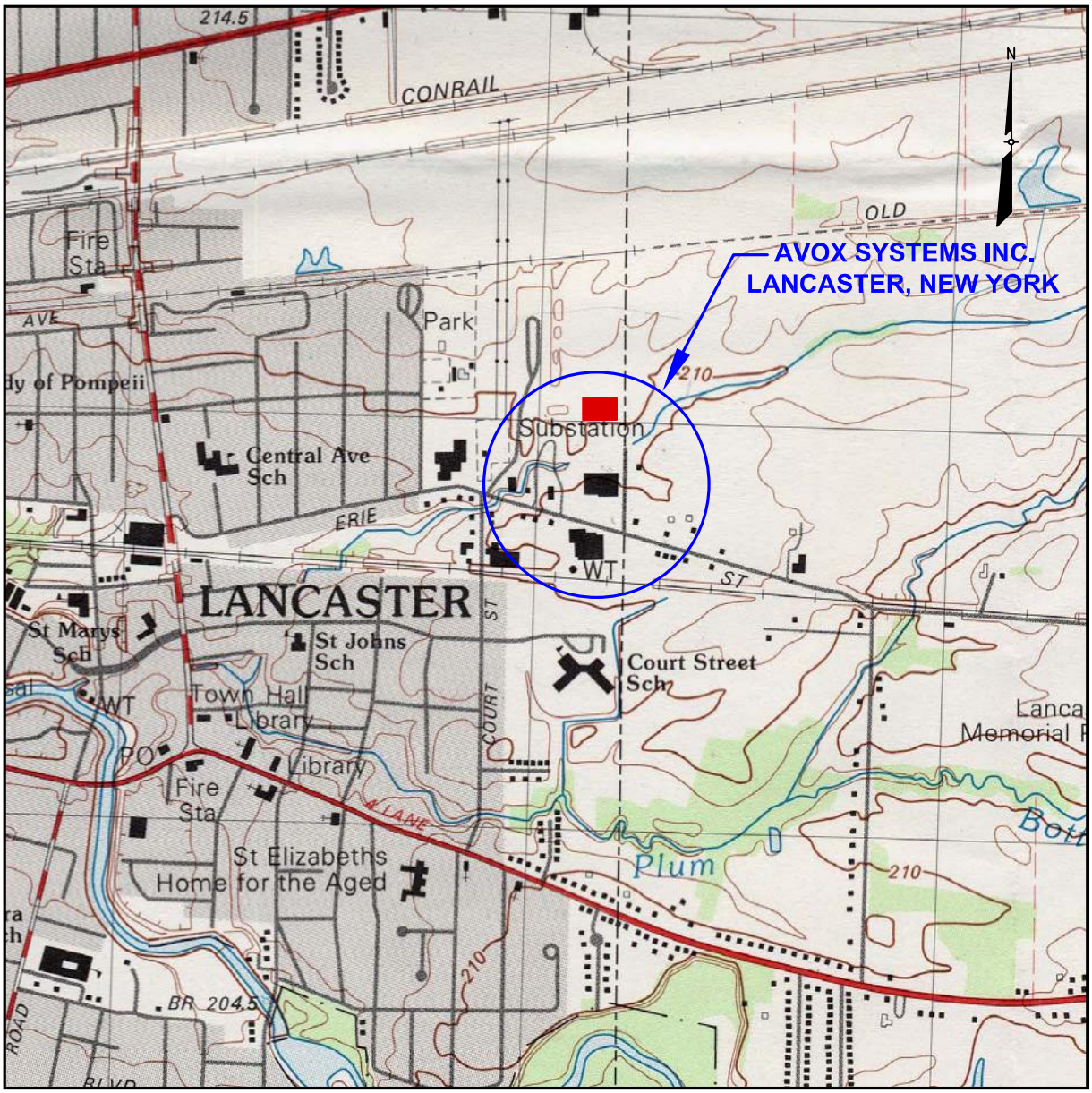
O'Brien & Gere Engineers, Inc. July 1996. "Soil and Ground Water Remediation Project, Scott Aviation, Lancaster, New York".

Figures



SOURCE:
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LANCASTER, NEW YORK

LEGEND

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

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SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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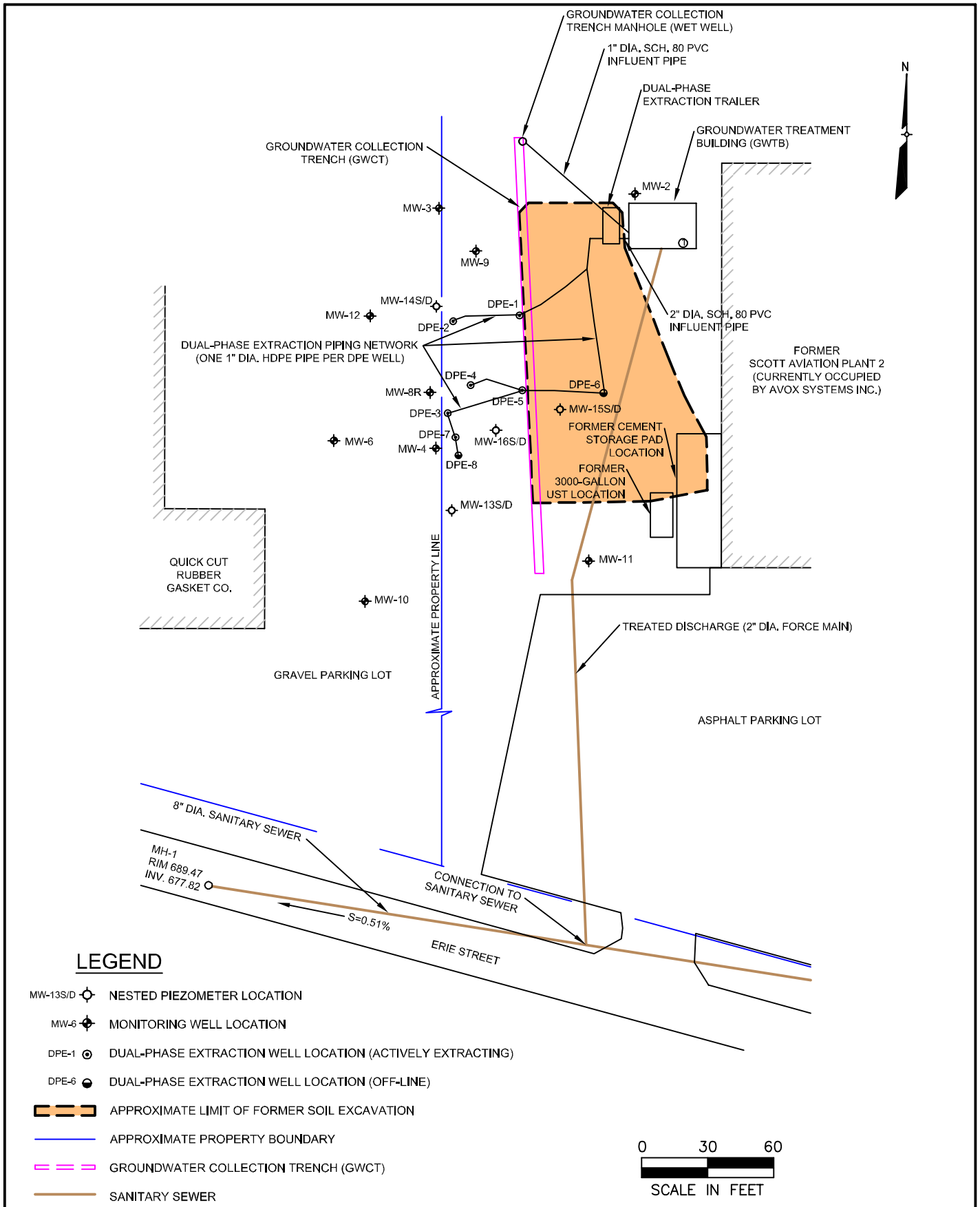

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FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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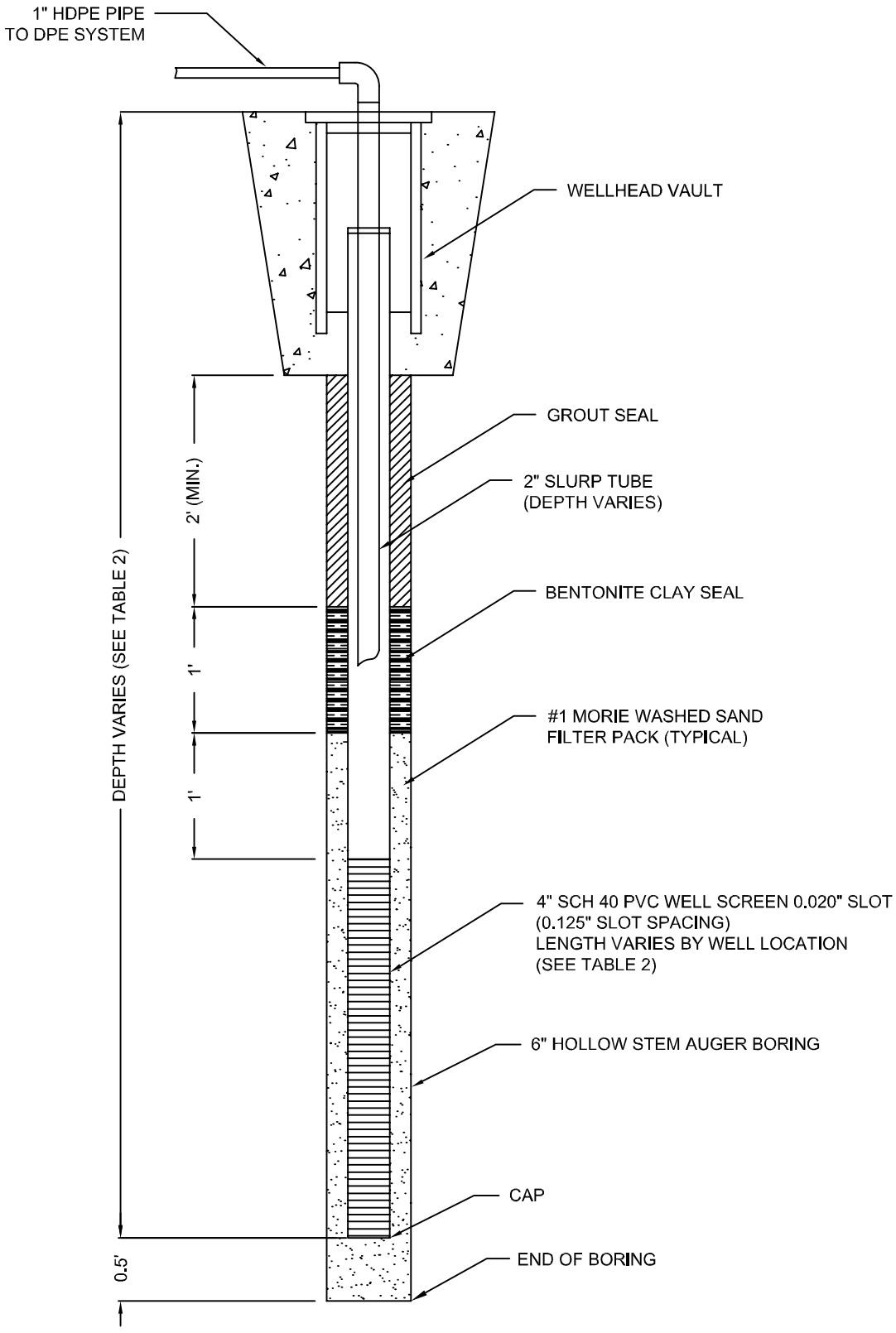

AECOM

FIGURE 3
TYPICAL DUAL PHASE EXTRACTION RECOVERY
WELL CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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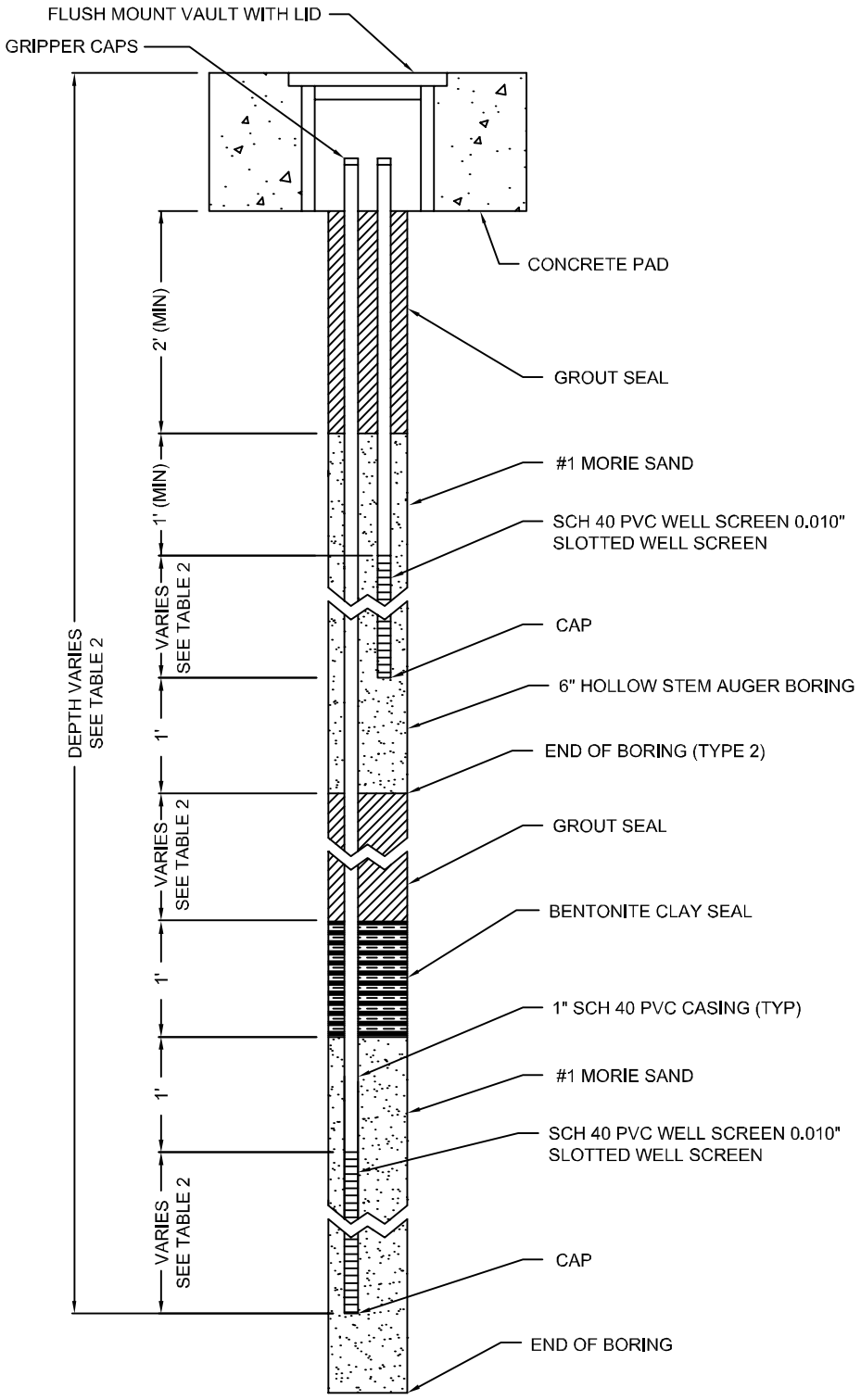

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FIGURE 4
TYPICAL NESTED PIEZOMETER CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

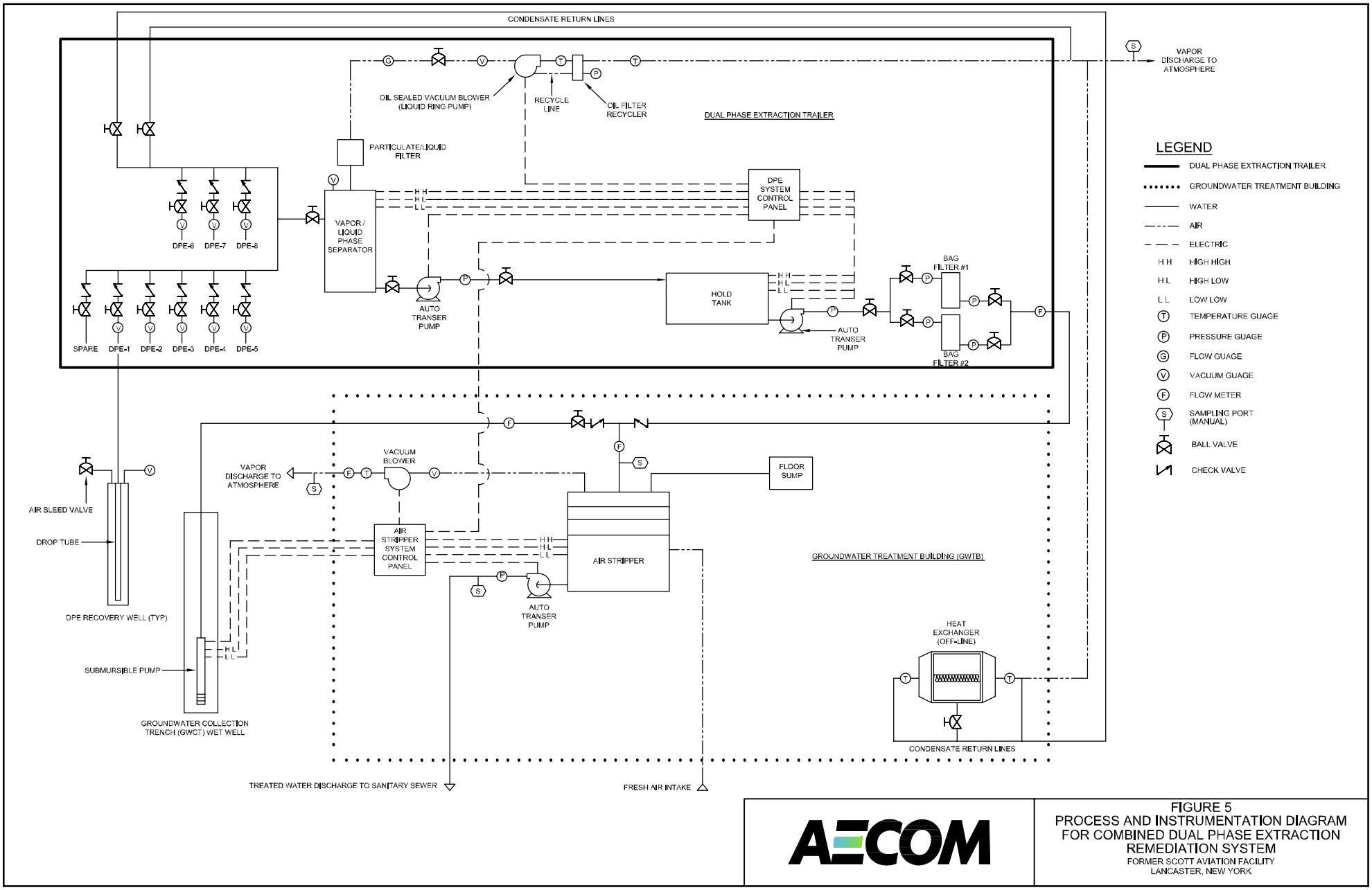

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FIGURE 5
PROCESS AND INSTRUMENTATION DIAGRAM
FOR COMBINED DUAL PHASE EXTRACTION
REMEDIATION SYSTEM
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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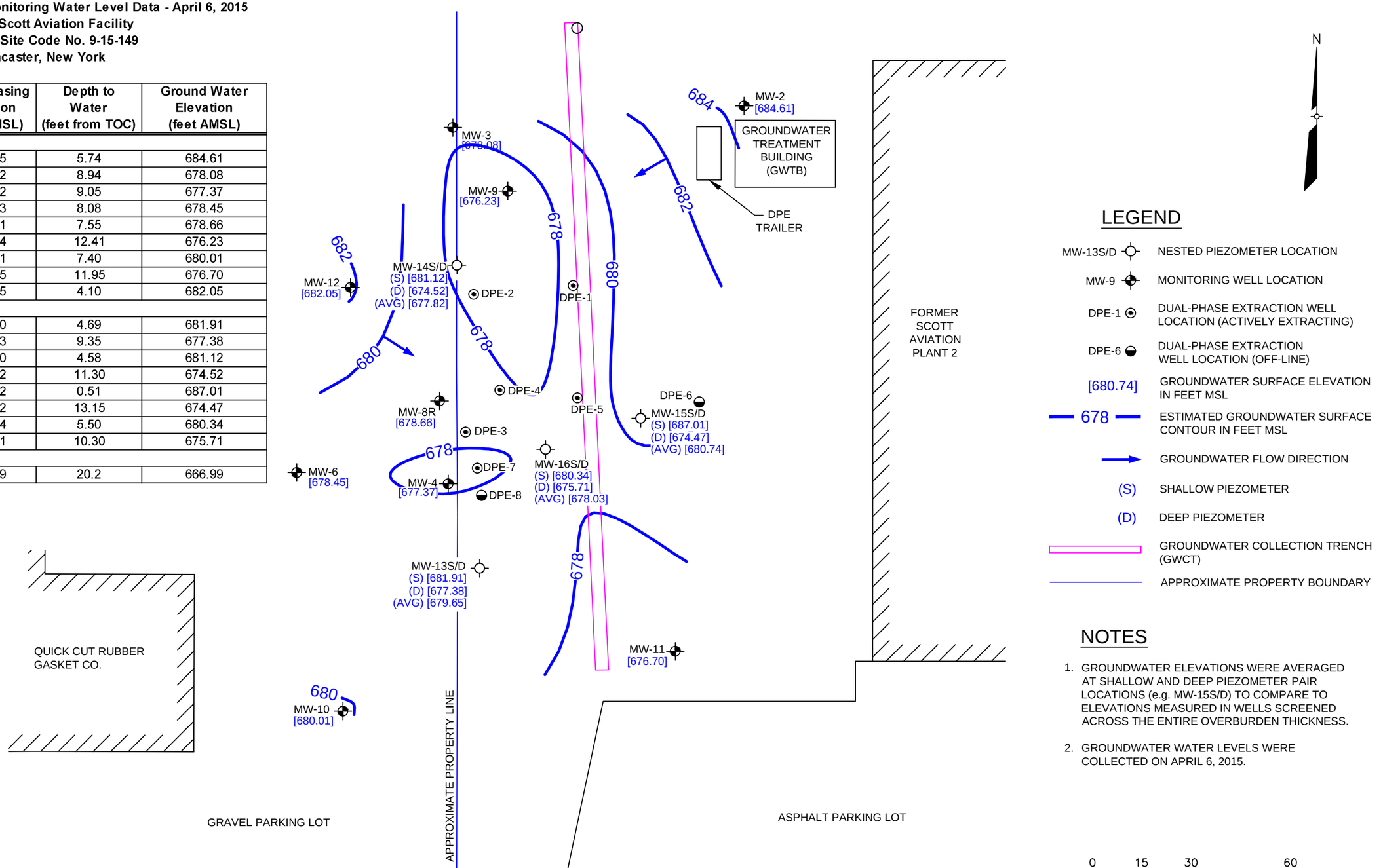
Quarterly Groundwater Monitoring Water Level Data - April 6, 2015
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	690.35	5.74	684.61
MW-3	687.02	8.94	678.08
MW-4	686.42	9.05	677.37
MW-6	686.53	8.08	678.45
MW-8R	686.21	7.55	678.66
MW-9	688.64	12.41	676.23
MW-10	687.41	7.40	680.01
MW-11	688.65	11.95	676.70
MW-12	686.15	4.10	682.05
Nested Piezometers			
MW-13S	686.60	4.69	681.91
MW-13D	686.73	9.35	677.38
MW-14S	685.70	4.58	681.12
MW-14D	685.82	11.30	674.52
MW-15S	687.52	0.51	687.01
MW-15D	687.62	13.15	674.47
MW-16S	685.84	5.50	680.34
MW-16D	686.01	10.30	675.71
Remedial System			
GWCT Manhole (rim)	687.19	20.2	666.99

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level



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)
- [680.74] — GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 678 — ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL
- GROUNDWATER FLOW DIRECTION
- (S) — SHALLOW PIEZOMETER
- (D) — DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTES

1. GROUNDWATER ELEVATIONS WERE AVERAGED AT SHALLOW AND DEEP PIEZOMETER PAIR LOCATIONS (e.g. MW-15S/D) TO COMPARE TO ELEVATIONS MEASURED IN WELLS SCREENED ACROSS THE ENTIRE OVERBURDEN THICKNESS.
2. GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 6, 2015.

0 15 30 60
SCALE IN FEET

AECOM

FIGURE 6
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2015
AVERAGE OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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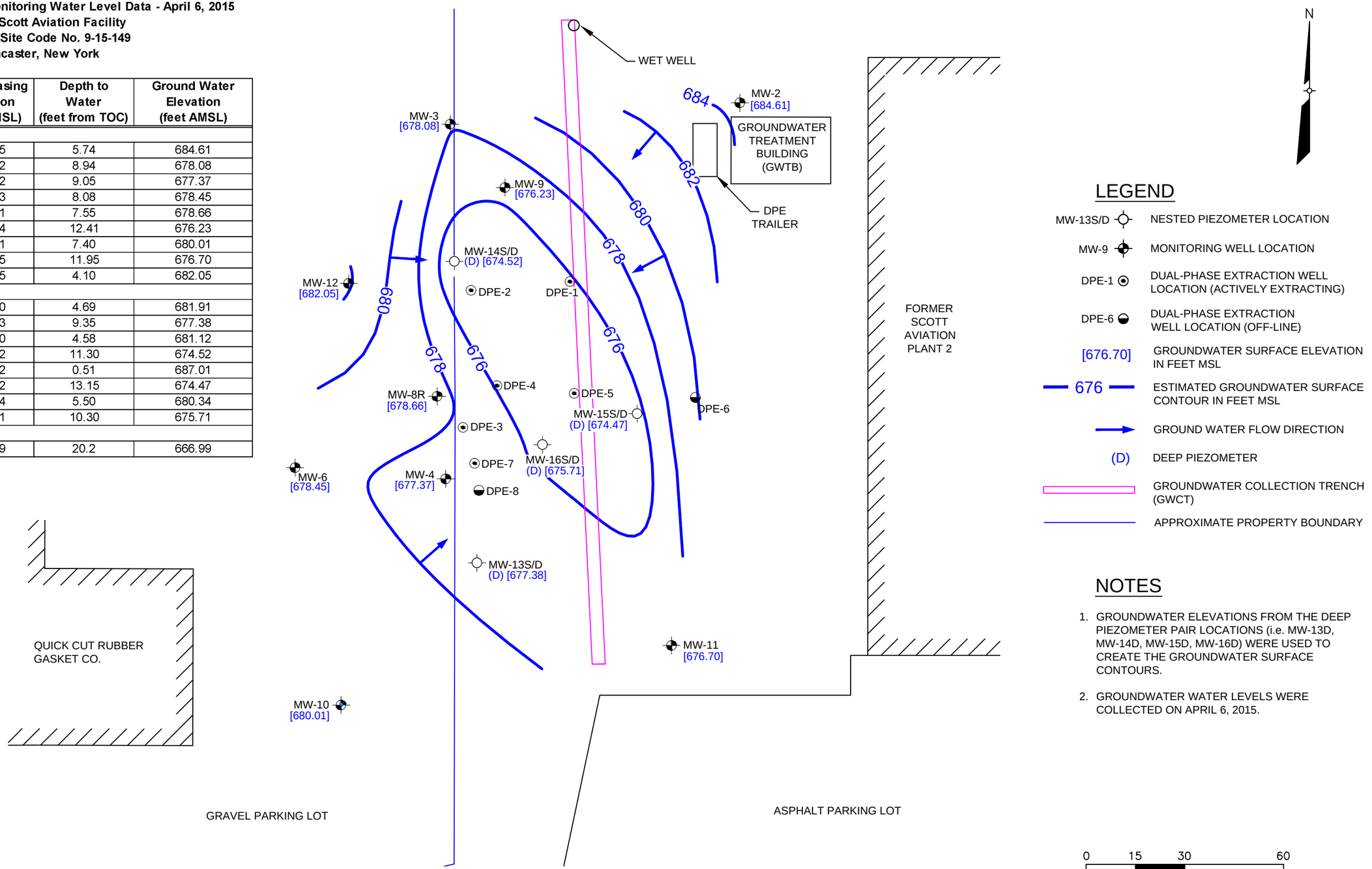
Quarterly Groundwater Monitoring Water Level Data - April 6, 2015
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	690.35	5.74	684.61
MW-3	687.02	8.94	678.08
MW-4	686.42	9.05	677.37
MW-6	686.53	8.08	678.45
MW-8R	686.21	7.55	678.66
MW-9	688.64	12.41	676.23
MW-10	687.41	7.40	680.01
MW-11	688.65	11.95	676.70
MW-12	686.15	4.10	682.05
Nested Piezometers			
MW-13S	686.60	4.69	681.91
MW-13D	686.73	9.35	677.38
MW-14S	685.70	4.58	681.12
MW-14D	685.82	11.30	674.52
MW-15S	687.52	0.51	687.01
MW-15D	687.62	13.15	674.47
MW-16S	685.84	5.50	680.34
MW-16D	686.01	10.30	675.71
Remedial System			
GWCT Manhole (rim)	687.19	20.2	666.99

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level



LEGEND

- MW-13S/D — NESTED PIEZOMETER LOCATION
- MW-9 — MONITORING WELL LOCATION
- DPE-1 — DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 — DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [676.70] — GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 676 — ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL
- GROUND WATER FLOW DIRECTION
- (D) — DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTES

1. GROUNDWATER ELEVATIONS FROM THE DEEP PIEZOMETER PAIR LOCATIONS (i.e. MW-13D, MW-14D, MW-15D, MW-16D) WERE USED TO CREATE THE GROUNDWATER SURFACE CONTOURS.
2. GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 6, 2015.

0 15 30 60
SCALE IN FEET

AECOM

FIGURE 7
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2015
DEEP OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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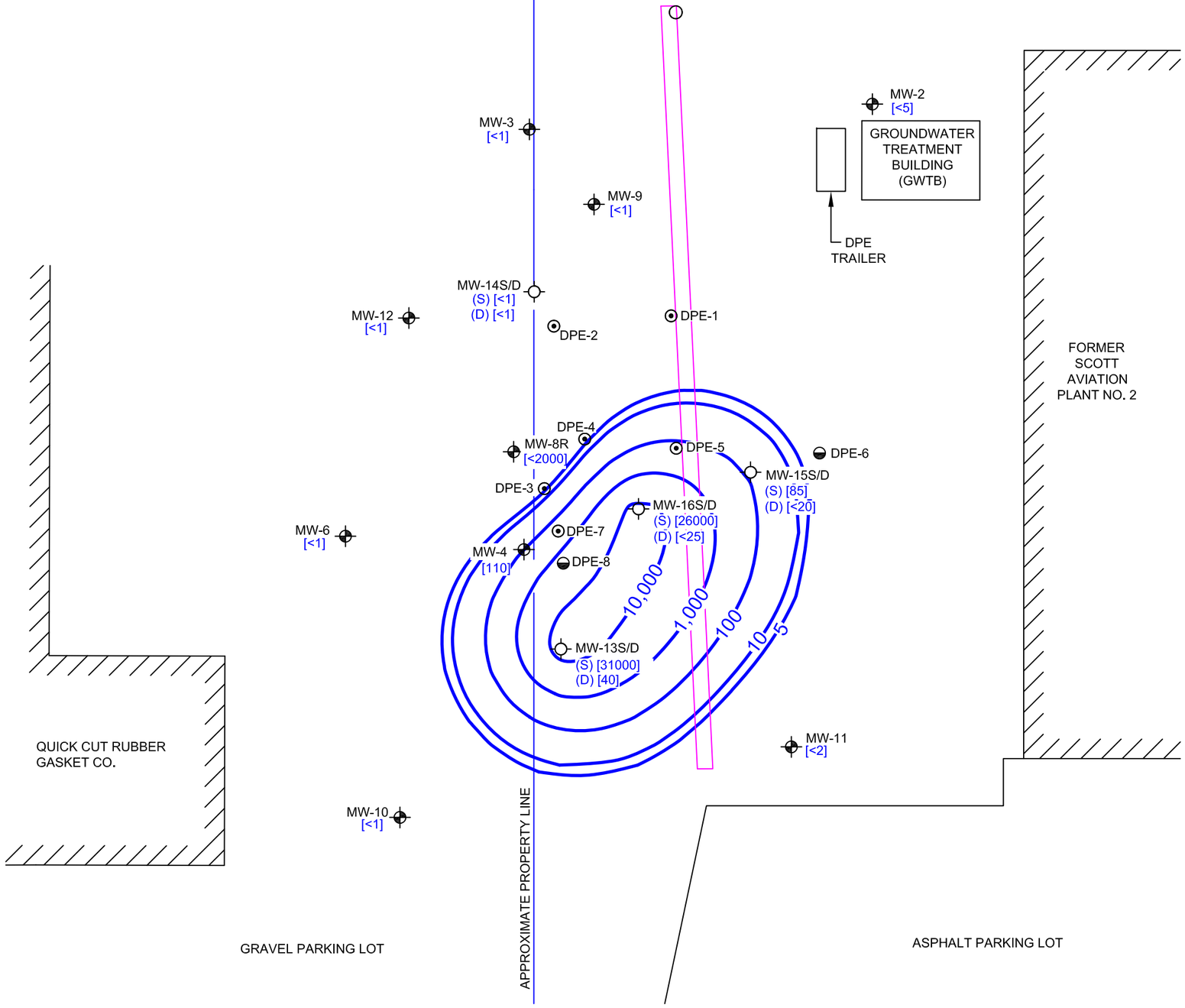

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LEGEND

- 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)
- [85] — TRICHLOROETHENE CONCENTRATION (µg/L)
- 100 — TRICHLOROETHENE ISOCONCENTRATION CONTOUR (µg/L)
- 5 — REMEDIAL ACTION OBJECTIVE FOR TRICHLOROETHENE (µg/L)
- < — BELOW REPORTING LIMIT
- (S) — SHALLOW PIEZOMETER
- (D) — DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTE

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

0 15 30 60
SCALE IN FEET

AECOM

FIGURE 8
TRICHLOROETHENE ISOCONCENTRATION CONTOUR MAP
APRIL 2015
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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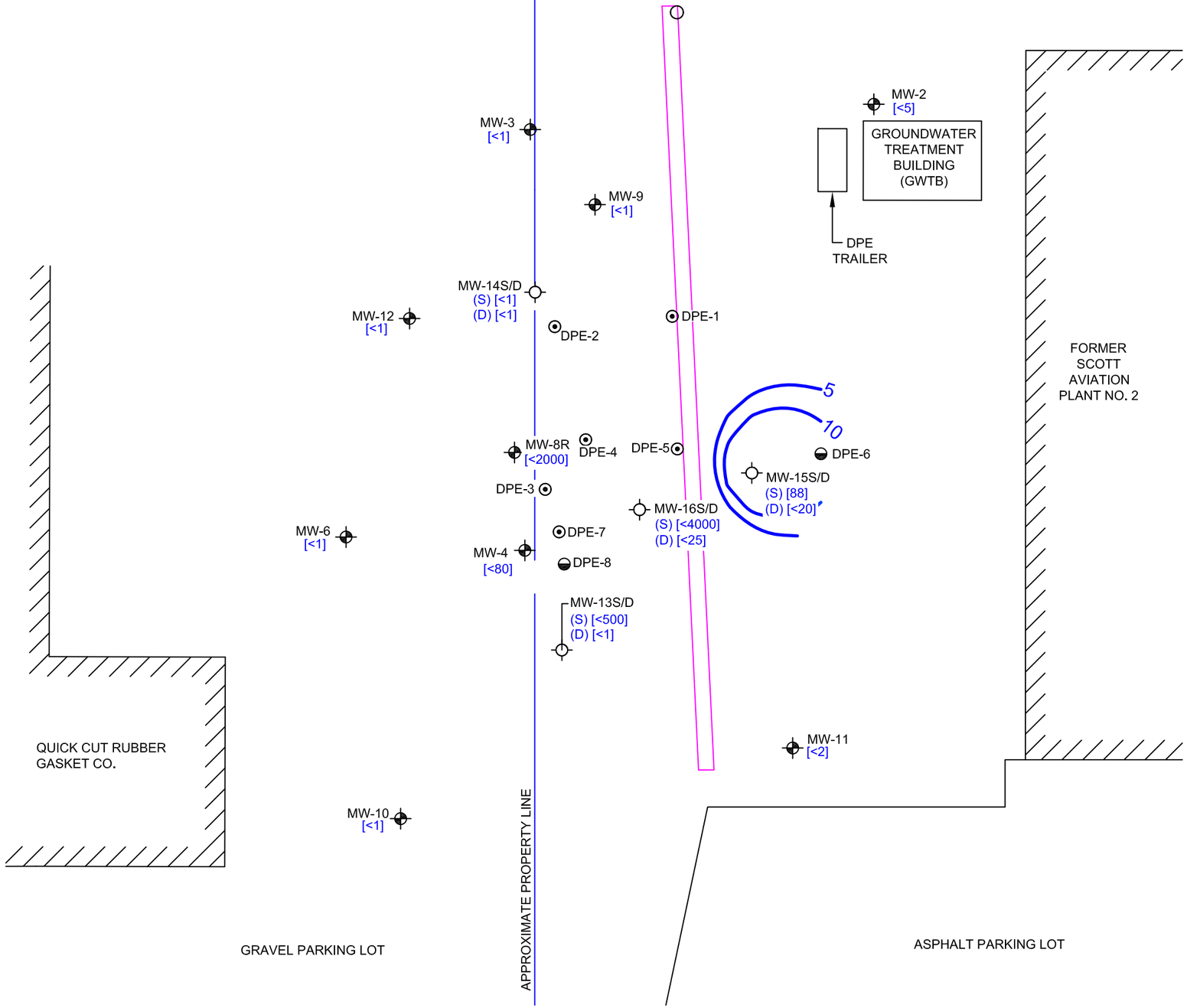

NOTE

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

0 15 30 60
SCALE IN FEET

AECOM

FIGURE 9
TOLUENE ISOCONCENTRATION CONTOUR MAP
APRIL 2015

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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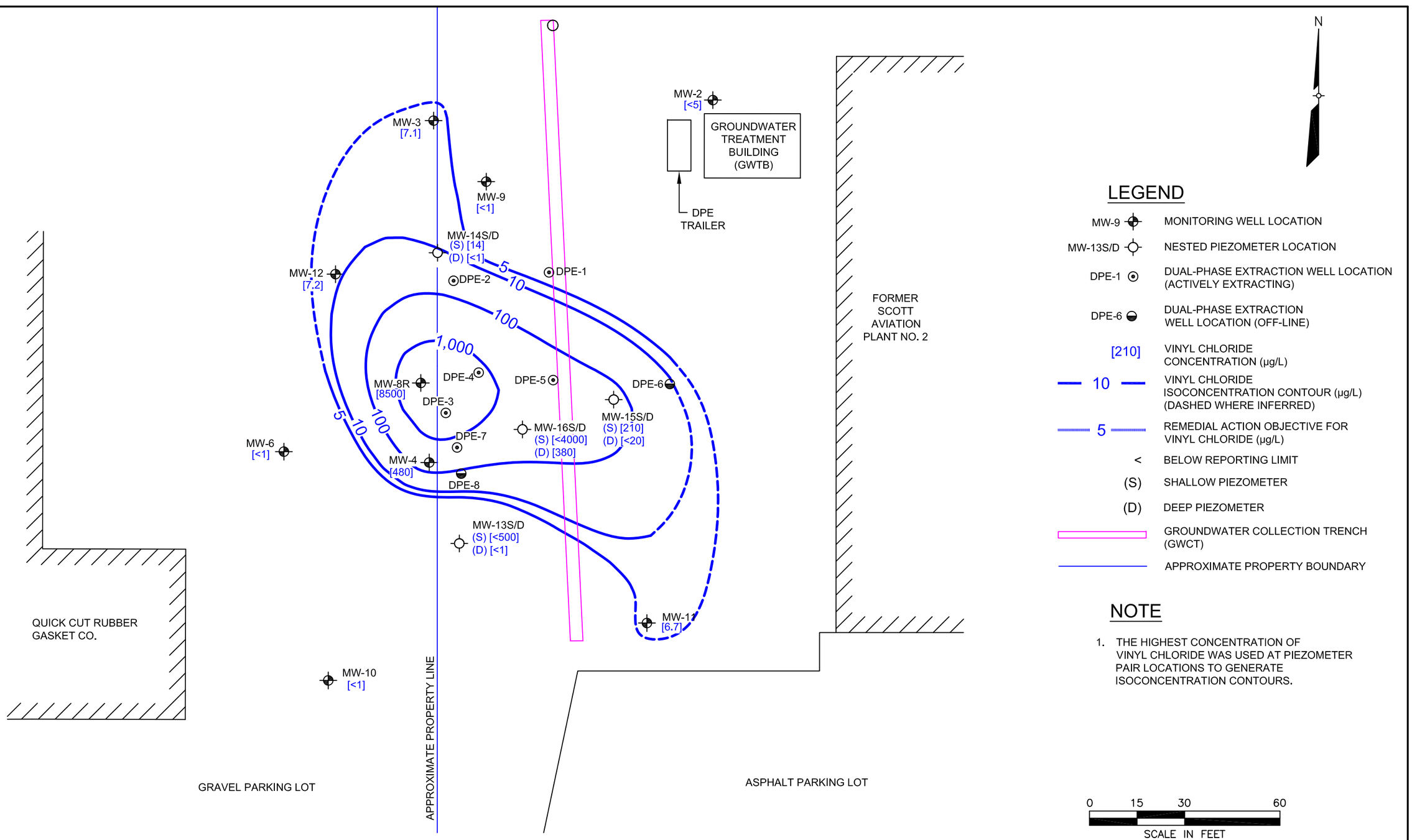

AECOM

FIGURE 10
VINYL CHLORIDE ISOCONCENTRATION CONTOUR MAP
APRIL 2015

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

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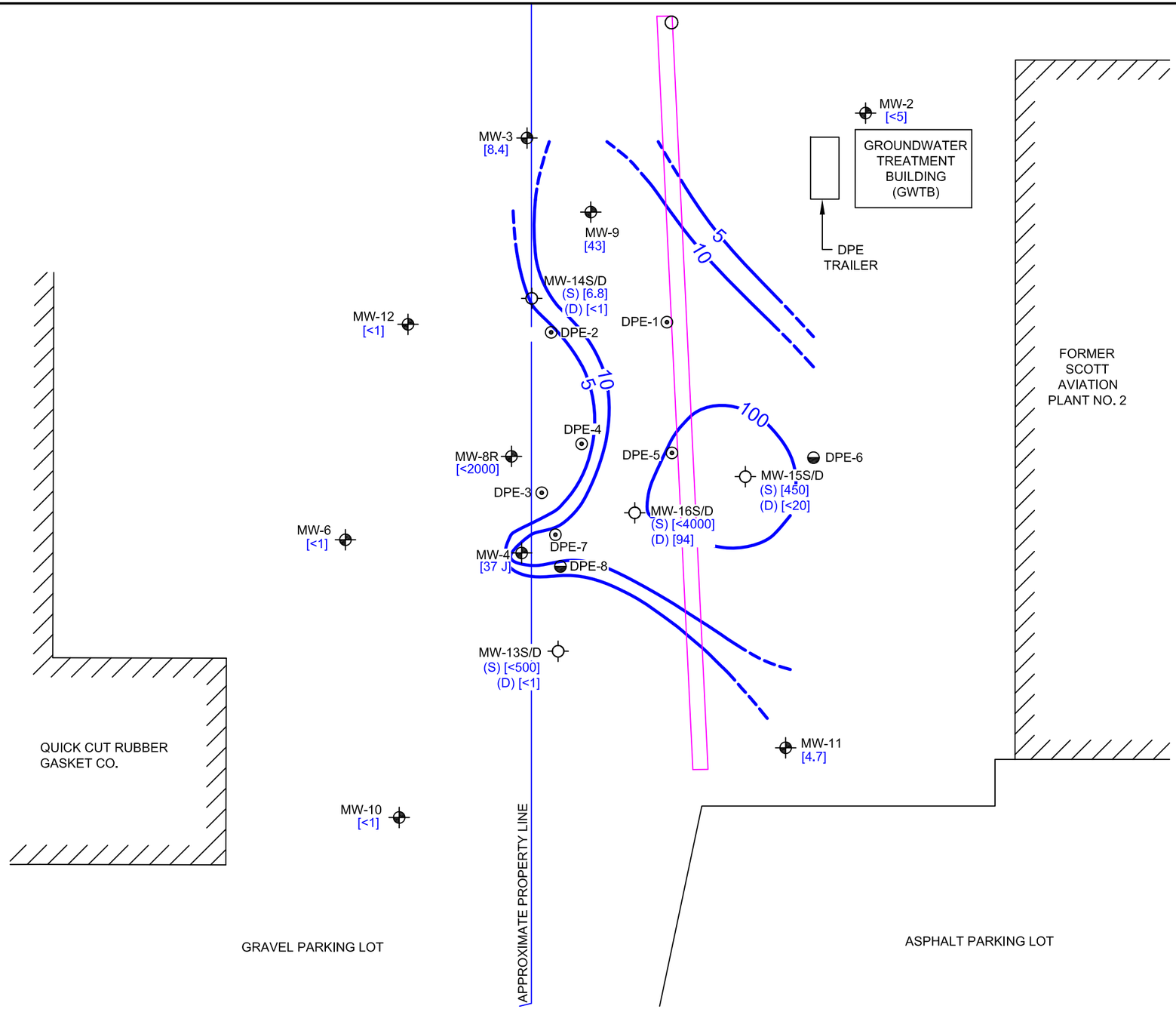


LEGEND

- MW-9 — MONITORING WELL LOCATION
- MW-13S/D — NESTED PIEZOMETER LOCATION
- DPE-1 — DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 — DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [4.7] — 1,1-DICHLOROETHANE CONCENTRATION (µg/L)
- 10 — 1,1-DICHLOROETHANE ISOCONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- 5 — REMEDIAL ACTION OBJECTIVE FOR 1,1-DICHLOROETHANE (µg/L)
- < — BELOW REPORTING LIMIT
- (S) — SHALLOW PIEZOMETER
- (D) — DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- J — RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE

NOTE

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

0 15 30 60

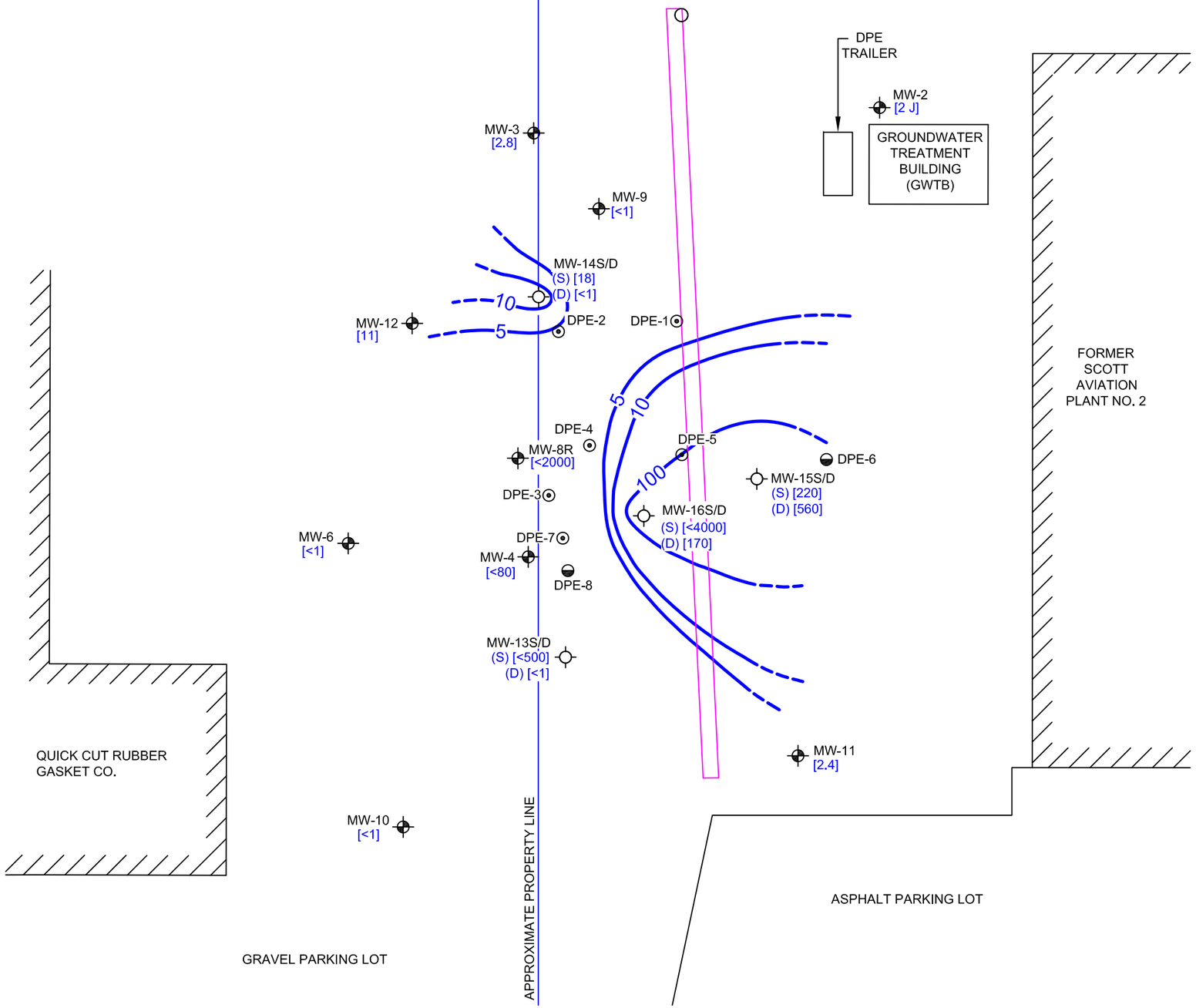
SCALE IN FEET

AECOM

FIGURE 11
1,1-DICHLOROETHANE ISOCONCENTRATION CONTOUR MAP
APRIL 2015

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

L:\work\71149\CADD\71149_132 1-1_Dichloroethane Isoconc Cont_April 2015.dwg, 5/20/2015 5:23:11 PM, Splawnm



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)
- [2.4] — CHLOROETHANE CONCENTRATION (µg/L)
- 100 — CHLOROETHANE ISOCONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- 5 — REMEDIAL ACTION OBJECTIVE FOR CHLOROETHANE (µg/L)
- < — BELOW REPORTING LIMIT
- (S) — SHALLOW PIEZOMETER
- (D) — DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- J — RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE

NOTE

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

0 15 30 60

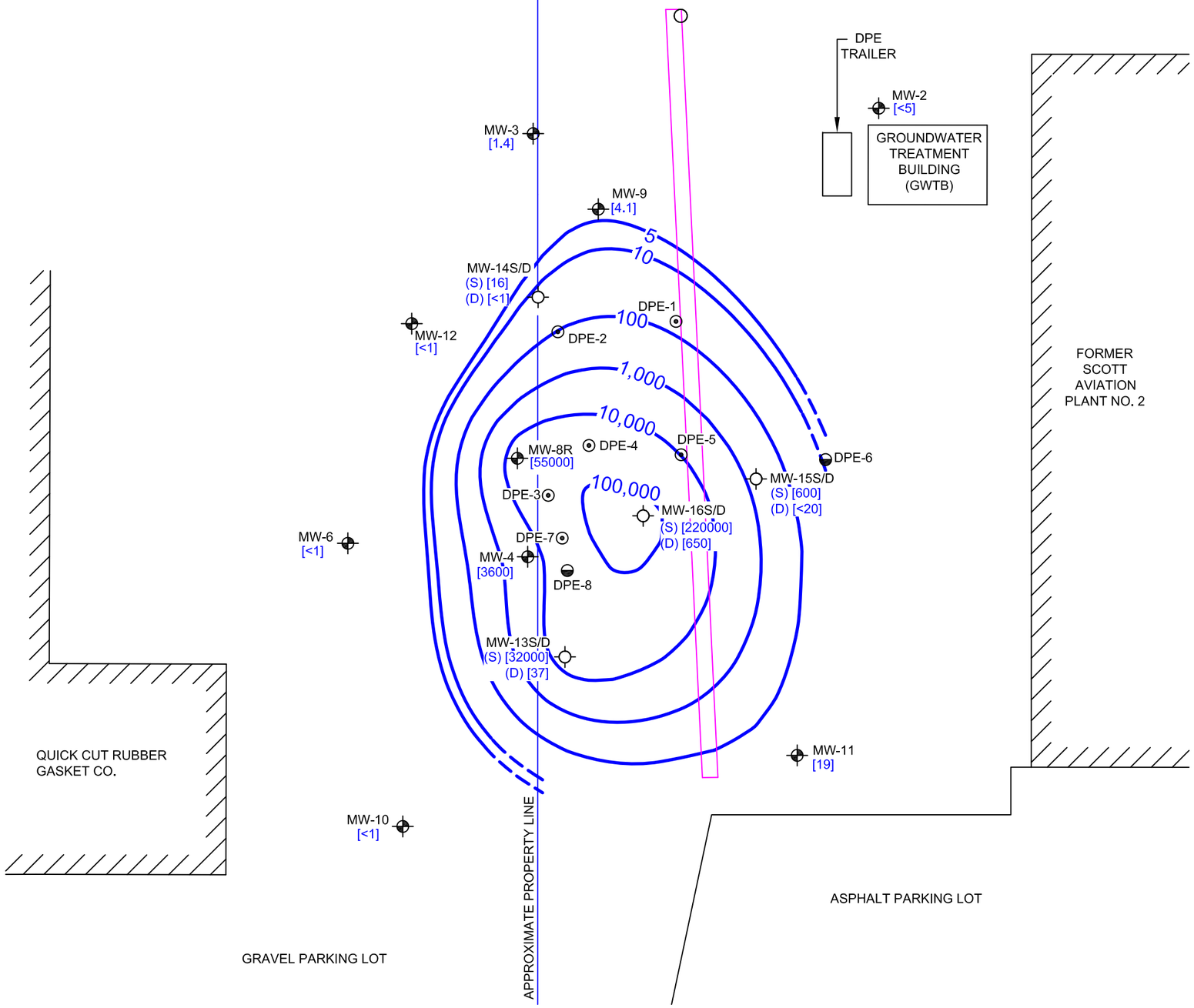
SCALE IN FEET

AECOM

FIGURE 12
CHLOROETHANE ISOCONCENTRATION CONTOUR MAP
APRIL 2015

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

L:\work\71149\CADD\71149_133 Chloroethane Isoconc Cont_April2015.dwg, 5/20/2015 5:22:58 PM, Splawnm



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)
- [37] — 1,2-DICHLOROETHENE CONCENTRATION (µg/L)
- < — BELOW REPORTING LIMIT
- (S) — SHALLOW PIEZOMETER
- (D) — DEEP PIEZOMETER
- 10 — 1,2-DICHLOROETHENE ISOCONCENTRATION CONTOUR (µg/L)
- 5 — REMEDIAL ACTION OBJECTIVE FOR 1,2-DICHLOROETHENE (µg/L)
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTE

1. THE HIGHEST CONCENTRATION OF 1,2-DICHLOROETHENE WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.

0 15 30 60

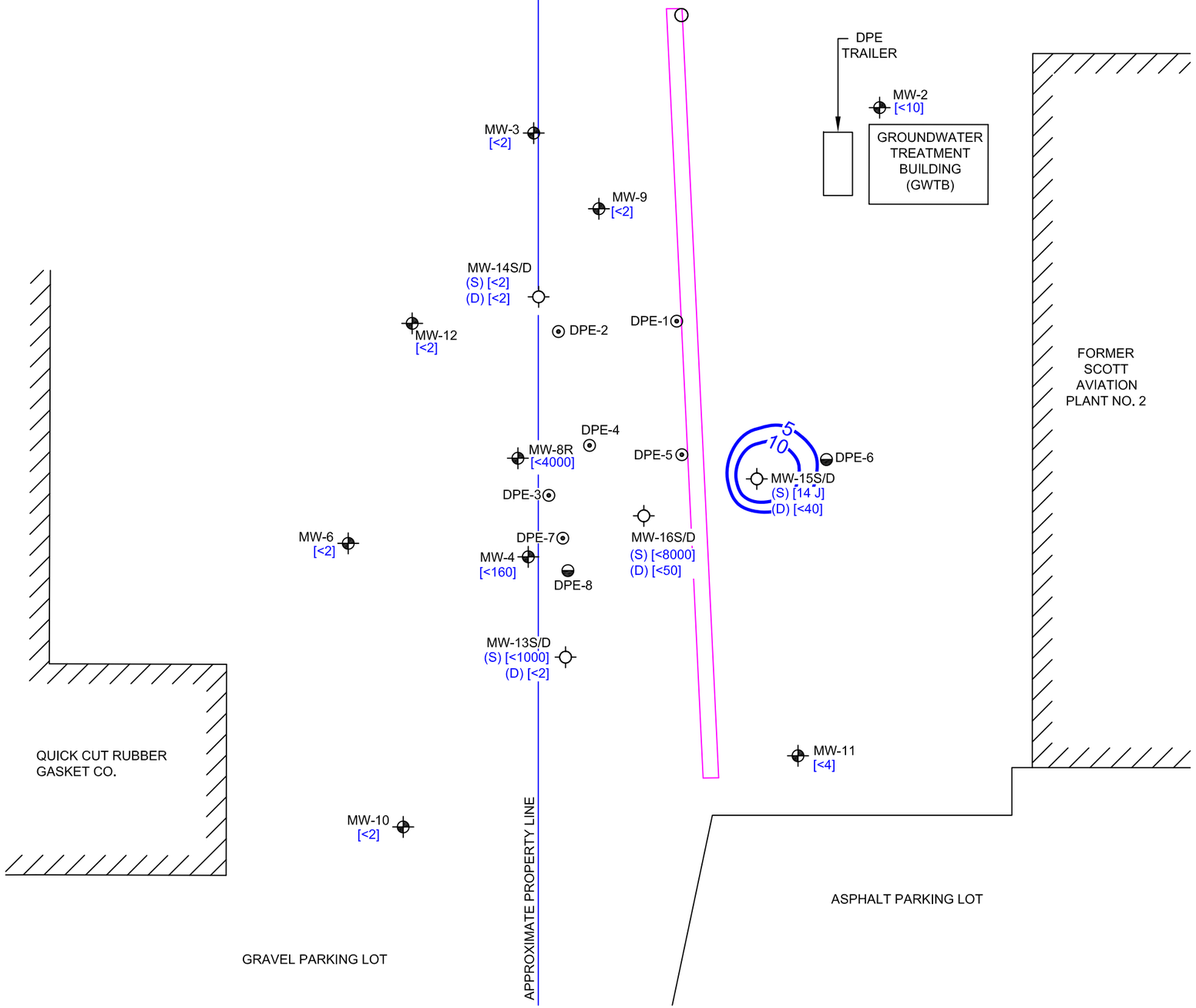
SCALE IN FEET

AECOM

FIGURE 13
1,2-DICHLOROETHENE ISOCONCENTRATION CONTOUR MAP
APRIL 2015

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

L:\work\71149\CADD\71149_134 cis-1-2_Dichloroethene Isoconc Cont_April2015.dwg, 5/20/2015 5:22:45 PM, Splawnm



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)
- [14] — XYLENES CONCENTRATION (µg/L)
- 10 — XYLENES ISOCONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- 5 — REMEDIAL ACTION OBJECTIVE FOR XYLENES (µg/L)
- < — BELOW REPORTING LIMIT
- (S) — SHALLOW PIEZOMETER
- (D) — DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- J — RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE

NOTE

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

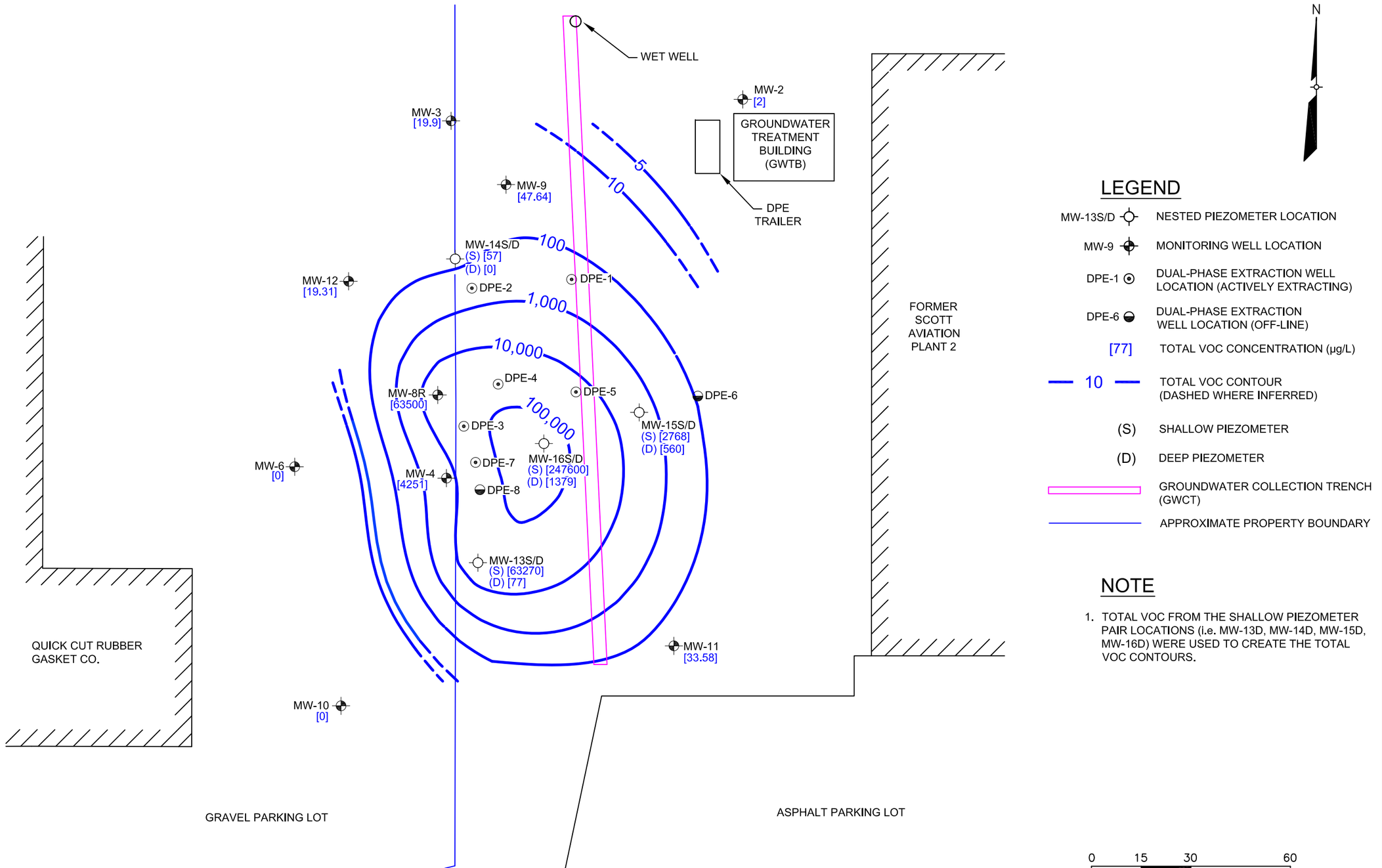
0 15 30 60

SCALE IN FEET

AECOM

FIGURE 14
XYLENES ISOCONCENTRATION CONTOUR MAP
APRIL 2015
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

L:\work\71149\CADD\71149_135 Xylenes Isoconc Cont_April2015.dwg, 5/20/2015 5:22:09 PM, Splawnm



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.

0 15 30 60

SCALE IN FEET

AECOM

FIGURE 15
TOTAL VOLATILE ORGANIC COMPOUNDS IN ISOCONCENTRATION CONTOUR MAP APRIL 2015

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

L:\work\71149\CADD\71149_136 Total VOCs Isoconc Map_Apr2015.dwg, 5/20/2015 5:24:04 PM, Splawnm

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)
Chloroethane	1	5
1,1-Dichloroethane	1	5
1,2-Dichloroethene	1	5
1,1,1-Trichloroethane	1	5
Trichloroethene	1	5
Vinyl chloride	1	5
Ethylbenzene	1	5
Toluene	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, Dual Phase Extraction Well, and Injection 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
Injection Wells							
IW-01	06/09/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-02	06/09/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-03	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-04	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-05	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-06	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-07	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-08	06/14/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-09	06/14/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-10	06/15/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0

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 2014 through April 2015
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Wells/Piezometers Sampled	Wells/Piezometers Sampled			
Quarterly Groundwater Monitoring					
July 2014	8	MW-2	MW-3	MW-4	MW-6
		MW-10	MW-11	MW-12	MW-16S
October 2014	8	MW-2	MW-3	MW-4	MW-6
		MW-8R	MW-10	MW-11	MW-12
January 2015	9	MW-2	MW-3	MW-4	MW-6
		MW-8R	MW-10	MW-11	MW-13S
		MW-16S			
Comprehensive Annual Groundwater Monitoring					
April 2015	17	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			

Table 4

Quarterly Groundwater Monitoring Water Level Data - April 6, 2015
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	690.35	5.74	684.61
MW-3	687.02	8.94	678.08
MW-4	686.42	9.05	677.37
MW-6	686.53	8.08	678.45
MW-8R	686.21	7.55	678.66
MW-9	688.64	12.41	676.23
MW-10	687.41	7.40	680.01
MW-11	688.65	11.95	676.70
MW-12	686.15	4.10	682.05
Nested Piezometers			
MW-13S	686.60	4.69	681.91
MW-13D	686.73	9.35	677.38
MW-14S	685.70	4.58	681.12
MW-14D	685.82	11.30	674.52
MW-15S	687.52	0.51	687.01
MW-15D	687.62	13.15	674.47
MW-16S	685.84	5.50	680.34
MW-16D	686.01	10.30	675.71
Remedial System			
GWCT Manhole (rim)	687.19	20.2	666.99

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level

Table 5

Summary of April 2015 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	04/07/15	04/07/15	04/07/15	04/06/15	04/06/15	04/07/15	04/06/15	04/06/15	04/06/15
Lab Sample ID	Objective	480-77898-1	480-77898-2	480-77898-3	480-77898-4	480-77898-11	480-77898-13	480-77898-5	480-77898-6	480-77898-7
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1-Dichloroethane	5*	< 5.0 U	**8.4**	**37 J**	< 1.0 U	< 2,000 U	**43**	< 1.0 U	**4.7**	< 1.0 U
1,1-Dichloroethene	5	< 5.0 U	< 1.0 U	**24 J**	< 1.0 U	< 2,000 U	< 1.0 U	< 1.0 U	**0.78 J**	< 1.0 U
1,2-Dichloroethane	0.6	< 5.0 U	**0.21 J**	< 80 U	< 1.0 U	< 2,000 U	**0.54 J**	< 1.0 U	< 2.0 U	**0.24 J**
2-Butanone (MEK)	50	< 50 U	< 10 U	< 800 U	< 10 U	< 20,000 U	< 10.0 U	< 10 U	< 20 U	< 10 U
Acetone	50	< 50 U	< 10 U	< 800 U	< 10 U	< 20,000 U	< 10.0 U	< 10 U	< 20 U	< 10 U
Benzene	1	< 5.0 U	< 1.0 U	< 80 U	< 1.0 U	< 2,000 U	< 1.0 U	< 1.0 U	< 2.0 U	**0.87 J**
Chloroethane	5*	**2 J**	**2.8**	< 80 U	< 1.0 U	< 2,000 U	< 1.0 U	< 1.0 U	**2.4**	**11**
cis-1,2-Dichloroethene	5*	< 5.0 U	**1.4**	**3,600**	< 1.0 U	**55,000**	**4.1**	< 1.0 U	**19**	< 1.0 U
Toluene	5*	< 5.0 U	< 1.0 U	< 80 U	< 1.0 U	< 2,000 U	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U
Trichloroethene	5*	< 5.0 U	< 1.0 U	**110**	< 1.0 U	< 2,000 U	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U
Vinyl chloride	5*	< 5.0 U	**7.1**	**480**	< 1.0 U	**8,500**	< 1.0 U	< 1.0 U	**6.7**	**7.2**
Xylenes, Total	5*	< 10.0 U	< 2.0 U	< 160 U	< 2.0 U	< 4,000 U	< 2.0 U	< 2.0 U	< 4.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	2	19.9	4,251	0	63,500	47.64	0	33.58	19.31

Table 5

Summary of April 2015 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	04/07/15	04/07/15	04/07/15	04/07/15	04/06/15	04/06/15	04/07/15	04/07/15
Lab Sample ID	Objective	480-77898-14	480-77898-12	480-77898-16	480-77898-15	480-77898-18	480-77898-17	480-77898-19	480-77898-8
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	< 1.0 U	< 500 U	< 1.0 U	**6.8**	< 20 U	**450**	**94**	< 4,000 U
1,1-Dichloroethene	5	< 1.0 U	**270 J**	< 1.0 U	< 1.0 U	< 20 U	**11 J**	< 25 U	**1,600 J**
1,2-Dichloroethane	0.6	< 1.0 U	< 500 U	< 1.0 U	**1.0**	< 20 U	< 20 U	< 25 U	< 4,000 U
2-Butanone (MEK)	50	< 10 U	< 5,000 U	< 10 U	< 10 U	< 200 U	**190 J**	**85 J**	< 40,000 U
Acetone	50	< 10 U	< 5,000 U	< 10 U	< 10 U	< 200 U	**900**	< 250 U	< 40,000 U
Benzene	1	< 1.0 U	< 500 U	< 1.0 U	**0.95 J**	< 20 U	< 20 U	< 25 U	< 4,000 U
Chloroethane	5*	< 1.0 U	< 500 U	< 1.0 U	**18**	**560**	**220**	**170**	< 4,000 U
cis-1,2-Dichloroethene	5*	**37**	**32,000**	< 1 U	**16**	< 20 U	**600**	**650**	**220,000**
Toluene	5*	< 1.0 U	< 500 U	< 1.0 U	< 1.0 U	< 20 U	**88**	< 25 U	< 4,000 U
Trichloroethene	5*	**40**	**31,000**	< 1.0 U	< 1.0 U	< 20 U	**85**	< 25 U	**26,000**
Vinyl chloride	5*	< 1.0 U	< 500 U	< 1.0 U	**14**	< 20 U	**210**	**380**	< 4,000 U
Xylenes, Total	5*	< 2.0 U	< 1,000 U	< 2.0 U	< 2.0 U	< 40 U	**14 J**	< 50 U	< 8,000 U
Total Volatile Organic Compounds	NA	77	63,270	0	57	560	2,768	1,379	247,600

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

Vapor Monitoring Results - April 6, 2015
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID: / Sample Date:	LRP Effluent* Not Sampled	AS Effluent 4/6/2015
VOCs by Method TO-15 (µg/m^3)		
Benzene	-	1.1
Methylene Chloride	-	4.1
n-Hexane	-	1.2
Toluene	-	5.9
Total Detected VOCs (µg/m^3)	-	12
Vacuum (inches Hg)	-	3.50
Air Flow Rate (acfm)	-	190
VOC discharge loading (lb/hr)	-	0.0000
Total VOC discharge loading (lb/hr)	**0.0000**	

Notes:

* The LRP was not running during sampling event on April 6, 2015.

The air stripper vacuum measured on April 6, 2015 was 3.5 inches H_2O and the flow rate was 190 scfm.

1. µg/m^3 = micrograms per cubic meter
2. acfm = actual cubic feet per minute
3. Hg = Mercury
4. scfm = standard cubic feet per minute
5. lb/hr = pounds per hour
6. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump.
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 7

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

Sample ID Sample Date	Influent Third Quarter 2014	Influent Fourth Quarter 2014	Influent First Quarter 2015	Influent Second Quarter 2015
VOCs (Method 8260) (µg/L)				
Acetone	9.1 J	ND	3.8 J	3.3 J
Chloroethane	2.6	20	50	70
1,1-Dichloroethane	0.8 J	4.7	ND	0.83 J
1,1-Dichloroethene	ND	1.2 J	ND	ND
2-Butanone (MEK)	ND	ND	1.4 J	ND
cis-1,2-Dichloroethene	33	350	ND	ND
Toluene	ND	ND	2.8	1.9
Trichloroethene	33	ND	ND	ND
Vinyl Chloride	2.6	83	ND	ND
Total VOCs (µg/L)	81.1	458.9	58.0	76.0
Air Stripper Totalizer Readings (gallons)	779,870 (4/7/14) 982,430 (7/17/14)	982,430 (7/17/14) 1,110,817 (10/14/14)	5,360,830 (10/14/14) 5,565,098 (1/20/15)	5,565,098 (1/20/15) 5,652,490 (4/7/15)
Gallons Processed	202,560	128,387	204,268	87,392
VOCs Removed (pounds)	0.137	0.492	0.099	0.056
Total VOCs Removed (pounds)	0.784			

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 during first and second quarter 2015 were recorded from the groundwater collection trench.
5. Dual phase extraction system ran intermittently during the reporting period.

Qualifiers:

J - Indicates compounds detected as estimated.

ND - Indicates compounds not detected above the quantitation limit.

Table 8

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

Sample ID:	LRP Effluent	AS Effluent	AS Effluent	AS Effluent	AS Effluent
Sample Date:	7/17/2014	7/17/2014	10/14/2014	1/20/2015	4/6/2015
VOCs by Method TO-15 (µg/m3)					
1,1-Dichloroethane	270	3.9	- U	- U	- U
1,2,4-Trimethylbenzene	- U	4.7	- U	2	- U
1,3,5-Trimethylbenzene	- U	1.0	- U	- U	- U
2,2,4-Trimethylpentane	- U	9.1	- U	1	- U
4-Ethyltoluene	- U	1.5	- U	- U	- U
Benzene	- U	2.8	- U	1.8	1.1
Carbon Disulfide	- U	- U	- U	1.9	- U
Chloroethane	- U	28	39	69	- U
Chloromethane	- U	1.3	- U	1.3	- U
cis-1,2-Dichloroethene	- U	68	870	- U	- U
Cyclohexane	- U	1.2	- U	0.95	- U
Dichlorodifluoromethane	- U	3	- U	2.5	- U
Ethylbenzene	- U	3	- U	1.9	- U
Methylene Chloride	- U	- U	- U	1.9	4.1
Methly Ethyl Ketone	- U	2.3	- U	1.9	- U
n-Heptane	- U	2.0	26	1.9	- U
n-Hexane	- U	5.3	- U	4.1	1.2
Toluene	- U	14	- U	13	5.9
trans-1,2-Dichloroethene	- U	- U	- U	0.79	- U
Trichloroethene	26,000	36	- U	- U	- U
Trichlorofluoromethane	- U	1.6	- U	1.3	- U
Vinyl Chloride	590	31	190	1.2	- U
Xylene Total	- U	14	- U	8.8	- U
Total Detected VOCs (µg/m3)	26,860	233	1,125	117	12
Air Flow Rate (acfm)	105	224	203	138	190
VOC discharge loading (lb/hr)	0.0106	0.0002	0.0009	0.0001	0.0000
LRP/AS Runtime (hours)	1,324	2,422	2,138	2,376	1,824
Total VOC discharge loading (lb)	**13.99**	**0.47**	**1.83**	**0.14**	**0.02**
Total VOCs removed (lb)					**16.5**

Notes:

1. µg/m^3 = micrograms per cubic meter
2. Undetected compounds (U) not included in Total Average VOCs
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

Qualifiers:

U - Indicates compounds not detected above the quantitation limit

Table 9

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
Monthly	Change Bag Filters/Clean Housings and change KO Tank Filter as needed
Quarterly	Clean System Components (KO Tank, Hold Tank, Air Stripper)
Annually	Replace LRP Seal Fluid Replace LRP Separator Element Grease LRP Bearings Perform DPE Well and Conveyance Lines Scale Abatment Acitivity at Select Wells

Notes:
DPE: Dual Phase Extraction
KO: Knockout
LRP: Liquid Ring Pump

Table 10

Groundwater Monitoring Schedule - July 2015 through April 2016
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Wells/Piezometers Scheduled for Sampling	Wells/Piezometers Scheduled for Sampling			
Quarterly Groundwater Monitoring					
July 2015	17	MW-2	MW-3	MW-4	MW-6
		MW-8R	MW-10	MW-11	MW-12
		MW-13S	MW-13D	MW-16S	MW-16D
		DPT-3	DPT-4	DPT-5	DPT-7
		DPT-8			
October 2015	17	MW-2	MW-3	MW-4	MW-6
		MW-8R	MW-10	MW-11	MW-12
		MW-13S	MW-13D	MW-16S	MW-16D
		DPT-3	DPT-4	DPT-5	DPT-7
		DPT-8			
January 2016	10	MW-2	MW-3	MW-4	MW-6
		MW-8R	MW-10	MW-11	MW-12
		MW-13S	MW-16S		
Comprehensive Annual Groundwater Monitoring					
April 2016	17	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			

Notes:
MW-## - Monitoring Well
MW-##S - Shallow piezometer
MW-##D - Deep piezometer

Table 11

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							
GWTB Influent	aqueous	1	1	1	1	0	Four grabs over 8 hour process day
GWTB 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	10	0	0	0	0	Wells: MW-2, MW-3, MW-4, MW-6, MW-8R, MW-10, MW-11, MW-12, MW-13S, MW-16S
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		13	0	0	0	2	
Subtotal		**39**	**0**	**0**	**0**	**6**	
Annual Event - 1 Event							
Primary Samples	aqueous	17	0	0	0	0	Wells: MW-2, MW-3, MW-4, MW-6, MW-8R, MW-9, MW-10, MW-11, MW-12, MW-13 S/D, MW-14 S/D, MW-15 S/D, MW-16 S/D
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		**20**	**0**	**0**	**0**	**2**	
Total		**71**	**8**	**8**	**8**	**8**	

Methods:

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

Appendix A

Former Scott Aviation Plant 2 O&M Checklist

AECOM Technical Services, Inc.
SCOTT AVIATION WEST OF PLANT 2 O&M CHECKLIST (updated 4/2015)

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	Plugged at Well Header

Comments:

LRP Tank Exhaust Temperature -	°F	KO Pump Pressure -	No Gauge
LRP Filter Pressure -	PSI	Hold Tank Pump Pressure -	PSI
LRP Oil Level -		Bag Filter #1 Inlet Pressure -	PSI
LRP Inlet Vacuum -	"Hg	Bag Filter #1 Outlet Pressure -	PSI
LRP Exhaust Temperature -	°F	Bag Filter #2 Inlet Pressure -	PSI
LRP Flow Rate -	x1000 FPM	Bag Filter #2 Outlet Pressure -	PSI
KO Tank Vacuum -	"Hg	DPE Totalizer (T1) -	Off Line
		DPE Totalizer (T2) -	Off Line

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_2O
Air Stripper Influent Flowrate -	GPM	Air Stripper Flow -	"H_2O
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 2015 Field Forms

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/7/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-2
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 40 ° F
Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 5.8 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: 4 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	100	100	100	100			
Time (Military)	9:00	9:05	9:10	9:15	9:20			
Depth to Groundwater Below Top of Casing (ft)	6.90	7.35	7.85	8.05	8.15			
Drawdown (ft)	-1.10	-0.45	-0.50	-0.20	-0.10			
pH (S.U.)	6.36	6.3	6.35	6.45	6.48			
Sp. Cond. (mS/cm)	1.765	1.786	1.773	1.773	1.776			
Turbidity (NTUs)	20.6	21.8	19.4	24.2	27.8			
Dissolved Oxygen (mg/L)	6.46	1.39	0.98	0.87	0.68			
Water Temperature (°C)	8.64	7.54	7.39	7.47	7.31			
ORP (mV)	-79.9	-9.8	-64.0	-64.5	-61.0			

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

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

COMMENTS/OBSERVATIONS: Start purging well at 8:55hrs. Sample time at 9:25hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/7/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-3
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 40 ° F
Total Depth (TWD) Below Top of Casing = 28 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8.95 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: 2 inches
Casing Material: PVC
Measuring Point Elevation: 687.02 1/100 ft
Height of Riser (above land surface): 1.42 1/100 ft
Land Surface Elevation: 685.6 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)	125	125	100	100				
Time (Military)	9:45	9:50	9:55	10:00				
Depth to Groundwater Below Top of Casing (ft)	9.45	10.15	10.60	11.00				
Drawdown (ft)	-0.50	-0.70	-0.45	-0.40				
pH (S.U.)	7.19	7.02	6.99	6.95				
Sp. Cond. (mS/cm)	1.120	1.121	1.121	1.116				
Turbidity (NTUs)	23.7	19.0	8.08	9.85				
Dissolved Oxygen (mg/L)	7.50	1.48	0.86	0.64				
Water Temperature (°C)	8.05	8.43	8.11	8.03				
ORP (mV)	-4.6	9.9	12.1	17.7				

Physical appearance at start — Color: clear with iron bacteria; Odor: no
Sheen/Free Product: no

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

COMMENTS/OBSERVATIONS: Start purging well at 9:40hrs. Sample time at 10:05hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/7/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-4
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 40 ° F
Total Depth (TWD) Below Top of Casing = 26 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 10 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: 686.64 1/100 ft
Height of Riser (above land surface): ____ 1/100 ft
Land Surface Elevation: ____ 1/100 ft
Screened Interval (below land surface): 15.5 - 25.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	200	100	100	100	100			
Time (Military)	14:00	14:05	14:10	14:15	14:20			
Depth to Groundwater Below Top of Casing (ft)	11.00	11.65	12.20	12.75	13.10			
Drawdown (ft)	-1.00	-0.65	-0.55	-0.55	-0.35			
pH (S.U.)	6.64	7.23	7.17	7.14	7.13			
Sp. Cond. (mS/cm)	3.131	3.141	3.126	3.122	3.117			
Turbidity (NTUs)	16.3	7.68	6.38	6.69	6.23			
Dissolved Oxygen (mg/L)	6.72	0.41	0.31	0.26	0.21			
Water Temperature (°C)	9.4	8.76	8.78	8.78	8.84			
ORP (mV)	-233.7	-285.7	-318.7	-328.3	-330.2			

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

Physical appearance at sampling: Color cloudy with black flecks; Odor no
Sheen/Free Product: no

COMMENTS/OBSERVATIONS: Start purging well at 13:50hrs. Sample time at 14:25hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/6/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-6
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 50 ° F
Total Depth (TWD) Below Top of Casing = 25 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8.05 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: 2.0 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 686.53 1/100 ft
Height of Riser (above land surface): -0.27 1/100 ft
Land Surface Elevation: 686.8 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	

FIELD ANALYSES

Flow Rate (ml/min)	200	100	100	100	100	100		
Time (Military)	12:25	12:30	12:35	12:40	12:45	12:50		
Depth to Groundwater Below Top of Casing (ft)	8.75	9.00	9.15	9.30	9.50	9.60		
Drawdown (ft)	-0.70	-0.25	-0.15	-0.15	-0.20	-0.10		
pH (S.U.)	7.11	7.05	7.02	6.98	6.97	6.97		
Sp. Cond. (mS/cm)	7.596	1.594	1.598	1.596	1.594	1.593		
Turbidity (NTUs)	15.7	18.3	11.0	10.19	7.77	11.61		
Dissolved Oxygen (mg/L)	8.49	6.53	6.23	6.09	5.90	5.68		
Water Temperature (°C)	10.61	10.75	10.69	10.68	10.74	10.79		
ORP (mV)	-18.0	0.1	14.9	26.0	31.2	37.5		

Physical appearance at start: clear with a little iron bacteria
Sheen/Free Product: no
Physical appearance at sampling: Color: clear; Odor: no
Sheen/Free Product: no

COMMENTS/OBSERVATIONS: Start purging well at 12:20hrs. Sample time at 12:55hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/6/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-8R
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 50 ° F
Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.55 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

Casing Diameter: 4 inches
Casing Material: PVC
Measuring Point Elevation: 685.67 1/100 ft
Height of Riser (above land surface): 1/100 ft
Land Surface Elevation: 1/100 ft
Screened Interval (below land surface): 14 - 24 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	200	100	100	100				
Time (Military)	14:05	14:10	14:15	14:20				
Depth to Groundwater Below Top of Casing (ft)	8.3	8.9	9.55	10.15				
Drawdown (ft)	-0.75	-0.60	-0.65	-0.60				
pH (S.U.)	7.12	7.05	7.02	7.03				
Sp. Cond. (S/cm)	2.206	2.206	2.208	2.205				
Turbidity (NTUs)	14.8	9.5	8.3	6.54				
Dissolved Oxygen (g/L)	3.19	0.5	0.35	0.27				
Water Temperature (°C)	10.08	10	9.81	9.89				
ORP (mV)	-180.1	-178.9	-180.0	-180.6				

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

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

COMMENTS/OBSERVATIONS: Start purging well at 14:00hrs. Sample time at 14:25hrs. Duplicate collected at this well. Time for duplicate listed as 17:00hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/7/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-9
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 40
Total Depth (TWD) Below Top of Casing = 23.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 12.5 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

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 688.64 1/100 ft
Height of Riser (above land surface): 3.34 1/100 ft
Land Surface Elevation: 685.3 1/100 ft
Screened Interval (below land surface): 3.5 - 23.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	150	120	120	120				
Time (Military)	10:25	10:30	10:35	10:40				
Depth to Groundwater Below Top of Casing (ft)	12.90	13.15	13.30	13.45				
Drawdown (ft)	-0.40	-0.25	-0.15	-0.15				
pH (S.U.)	7.18	7.01	7.01	7.03				
Sp. Cond. (mS/cm)	1.266	1.273	1.282	1.284				
Turbidity (NTUs)	3.86	1.22	1.06	0.61				
Dissolved Oxygen (mg/L)	7.22	1.90	1.70	1.77				
Water Temperature (°C)	8.06	7.85	7.98	8.13				
ORP (mV)	31.2	50.3	52.2	52.0				

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

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

COMMENTS/OBSERVATIONS: Start purging well at 10:20hrs. Sample time at 10:45hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/6/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-10
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 50 ° F
Total Depth (TWD) Below Top of Casing = 24 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.3 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 = 0 liter
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: 3 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 687.41 1/100 ft
Height of Riser (above land surface): -0.19 1/100 ft
Land Surface Elevation: 687.6 1/100 ft
Screened Interval (below land surface): 3.5 - 23.5 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)	150	150	150	100	100			
Time (Military)	13:25	13:30	13:35	13:40	13:45			
Depth to Groundwater Below Top of Casing (ft)	8.20	8.55	8.95	9.15	9.25			
Drawdown (ft)	-0.90	-0.35	-0.40	-0.20	-0.10			
pH (S.U.)	6.99	6.85	6.76	6.75	6.75			
Sp. Cond. (mS/cm)	1.674	1.676	1.670	1.668	1.669			
Turbidity (NTUs)	77.9	29.4	20.0	19.2	23.0			
Dissolved Oxygen (mg/L)	5.13	4.43	1.14	0.71	0.5			
Water Temperature (°C)	10.01	9.41	9.30	9.23	9.27			
ORP (mV)	7.7	20.4	33.6	36.3	36.8			

Physical appearance at start — Color: cloudy with iron bacteria; Odor: no
Sheen/Free Product: no

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

COMMENTS/OBSERVATIONS: Start purging well at 13:20hrs. Sample time at 13:50hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/6/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-11
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 50
Total Depth (TWD) Below Top of Casing = 28.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 11.95 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: 3 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 688.65 1/100 ft
Height of Riser (above land surface): -0.25 1/100 ft
Land Surface Elevation: 688.9 1/100 ft
Screened Interval (below land surface): 8.5 - 28.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	220	220	200	200	200			
Time (Military)	10:55	11:00	11:05	11:10	11:15			
Depth to Groundwater Below Top of Casing (ft)	12.25	12.40	12.50	12.55	12.61			
Drawdown (ft)	-0.30	-0.15	-0.10	-0.05	-0.06			
pH (S.U.)	6.66	6.57	6.57	6.58	6.59			
Sp. Cond. (mS/cm)	4.140	4.169	4.163	4.157	4.133			
Turbidity (NTUs)	6.20	9.95	3.29	2.94	2.55			
Dissolved Oxygen (mg/L)	9.60	0.89	0.71	0.62	0.56			
Water Temperature (°C)	11.88	11.24	11.33	11.43	11.48			
ORP (mV)	-16.5	-7.0	-4.5	-4.1	-4.1			

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: Start purging well at 10:50hrs. Sample time at 11:20hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/6/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-12
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 50 ° F
Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 3.18 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: 2 liter

Casing Diameter: 4 inches
Casing Material: PVC
Measuring Point Elevation: 686.15 1/100 ft
Height of Riser (above land surface): -0.35 1/100 ft
Land Surface Elevation: 686.5 1/100 ft
Screened Interval (below land surface): 7 - 27 1/100 ft

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

FIELD ANALYSES

VOLUME PURGED (ml)	200	100	100	100	100			
TIME (Military)	11:50	11:55	12:00	12:05	12:10			
Depth to Groundwater Below Top of Casing (ft)	5.30	5.65	5.90	6.15	6.35			
Drawdown (ft)	-2.12	-0.35	-0.25	-0.25	-0.20			
pH (S.U.)	6.78	6.71	6.70	6.71	6.70			
Sp. Cond. (mS/cm)	1.495	1.477	1.465	1.455	1.445			
Turbidity (NTUs)	1.23	2.19	1.64	1.35	1.16			
Dissolved Oxygen (mg/L)	1.28	0.79	0.54	0.51	0.45			
Water Temperature (°C)	8.99	9.08	9.22	9.12	9.17			
ORP (mV)	-123.4	-123.3	-116.3	-114.4	-111.3			

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

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

COMMENTS/OBSERVATIONS: Start purging well at 11:45hrs. Sample time at 12:15hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	4/7/2015	Casing Diameter	1 inches
Field Personnel	E. Laity	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	686.6 1/100 ft
Job #	**60314190**	Height of Riser (above land surface)	-0.30 1/100 ft
Well ID #	MW-13S	Land Surface Elevation	686.9 1/100 ft
	Upgradient / Downgradient	Screened Interval (below land surface)	8.5-16.5 1/100 ft
Weather Conditions	Overcast		
Air Temperature	40 ° F		
Total Depth (TWD) Below Top of Casing =	16.5 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	4.55 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	2 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)	150	100	100	100				
Time (Military)	15:30	15:35	15:40	15:45				
Depth to Groundwater Below Top of Casing (ft)	7.20	8.60	8.70	8.85				
Drawdown (ft)	-2.65	-1.40	-0.10	-0.15				
pH (S.U.)	7.30	7.12	7.10	7.10				
Sp. Cond. (mS/cm)	1.416	1.414	1.413	1.400				
Turbidity (NTUs)	18.80	14.90	10.74	5.39				
Dissolved Oxygen (mg/L)	5.30	0.73	0.71	1.60				
Water Temperature (°C)	7.73	7.80	7.84	7.82				
ORP (mV)	-163.6	-166.5	-167.3	-153.8				

Physical appearance at start — Color: clear with little iron bacteria; Odor: no

Sheen/Free Product: no

Physical appearance at sampling — Color: clear; Odor: no

Sheen/Free Product: no

COMMENTS/OBSERVATIONS: Start purging well at 15:25hrs. Sample time at 15:50hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/7/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-13D
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 40 ° F
Total Depth (TWD) Below Top of Casing = 23.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.55 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: 2 liter

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 686.73 1/100 ft
Height of Riser (above land surface): -0.17 1/100 ft
Land Surface Elevation: 686.9 1/100 ft
Screened Interval (below land surface): 19.5-23.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	200	100	100	100	100			
Time (Military)	14:50	14:55	15:00	15:05	15:10			
Depth to Groundwater Below Top of Casing (ft)	10.70	12.00	12.50	13.05	13.45			
Drawdown (ft)	-1.15	-1.30	-0.50	-0.55	-0.40			
pH (S.U.)	8.16	7.76	7.67	7.60	7.58			
Sp. Cond. (mS/cm)	1.062	1.305	1.306	1.315	1.320			
Turbidity (NTUs)	1.01	1.64	0.78	0.62	0.36			
Dissolved Oxygen (mg/L)	9.09	3.25	2.75	2.07	1.70			
Water Temperature (°C)	10.07	9.93	9.68	9.73	10.01			
ORP (mV)	-208.5	-203.8	-202.2	-200.4	-198.8			

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: Start purging well at 14:45hrs. Sample time at 15:15hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/7/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-14S
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 40 ° F
Total Depth (TWD) Below Top of Casing = 16.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 4.55 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: 2 liter

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): 8.5-16.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	150	100	100	100	100			
Time (Military)	11:00	11:05	11:10	11:15	11:20			
Depth to Groundwater Below Top of Casing (ft)	6.3	7.7	8.95	9	9.17			
Drawdown (ft)	-1.75	-1.4	-1.25	-0.05	-0.17			
pH (S.U.)	7.16	6.94	6.86	6.86	6.85			
Sp. Cond. (S/cm)	1.269	1.267	1.261	1.264	1.258			
Turbidity (NTUs)	10.99	17.7	15.6	10.19	4			
Dissolved Oxygen (g/L)	7.79	1.28	0.88	0.86	1.18			
Water Temperature (°C)	7.55	7.24	7.39	7.39	7.45			
ORP (mV)	-31.9	-25.8	-20.6	-14.8	-12.7			

Physical appearance at start — Color: clear with iron bacteria; Odor: no
Sheen/Free Product: no

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

COMMENTS/OBSERVATIONS: Start purging well at 10:55hrs. Sample time at 11:25hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/7/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60197162**
Well ID #: MW-14D
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 40 ° F
Total Depth (TWD) Below Top of Casing = 23.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 11.95 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

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

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

FIELD ANALYSES

Flow Rate (ml/min)	150	100	100	100	100			
Time (Military)	11:35	11:40	11:45	11:50	11:55			
Depth to Groundwater Below Top of Casing (ft)	13.35	13.35	13.60	13.80	14.00			
Drawdown (ft)	-1.40	0.00	-0.25	-0.20	-0.20			
pH (S.U.)	7.78	7.28	6.98	6.98	6.99			
Sp. Cond. (mS/cm)	0.996	1.172	1.391	1.402	1.402			
Turbidity (NTUs)	6.01	4.24	1.12	1.074	0.76			
Dissolved Oxygen (mg/L)	5.40	3.56	1.37	0.89	0.75			
Water Temperature (°C)	9.15	9.43	9.50	9.72	9.65			
ORP (mV)	-11.6	-39.9	-63.8	-63.0	-67.1			

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: Start purging well at 11:30hrs. Sample time at 12:00hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/6/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-15S
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 50 ° F
Total Depth (TWD) Below Top of Casing = 18 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 0.30 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: 8 liter

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 687.52 1/100 ft
Height of Riser (above land surface): -0.38 1/100 ft
Land Surface Elevation: 687.9 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 (8260B)	3	4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150	150	150	150
Time (Military)	14:50	14:55	15:00	15:05	15:10	15:15	15:20	15:25
Depth to Groundwater Below Top of Casing (ft)	1.80	2.10	2.30	2.45	2.50	2.50	2.57	2.60
Drawdown (ft)	-1.50	-0.30	-0.20	-0.15	-0.05	0.00	-0.07	-0.03
pH (S.U.)	7.42	7.24	7.41	7.69	9.27	9.74	10.29	11.47
Sp. Cond. (mS/cm)	0.508	0.502	0.432	0.404	0.408	0.456	0.548	0.848
Turbidity (NTUs)	10.93	12.70	13.00	13.10	11.80	6.71	9.22	5.14
Dissolved Oxygen (mg/L)	2.36	0.77	0.32	0.22	0.18	0.17	0.16	0.15
Water Temperature (°C)	9.18	9.38	9.70	9.83	9.83	9.87	9.97	10.02
ORP (mV)	-155.9	-149.8	-270.0	-308.0	-306.3	-264.0	-224.2	-230.6

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

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

COMMENTS/OBSERVATIONS: Start purging well at 14:45hrs. Sample time at 15:35hrs. pH and Specific conductivity not stablizing; pH is high.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	4/6/2015	Casing Diameter	1 inches
Field Personnel	E. Laity	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	687.52 1/100 ft
Job #	**60314190**	Height of Riser (above land surface)	-0.38 1/100 ft
Well ID #	MW-15S	Land Surface Elevation	687.9 1/100 ft
	Upgradient / Downgradient	Screened Interval (below land surface)	12-18 1/100 ft
Weather Conditions	Sunny		
Air Temperature	50 ° F		
Total Depth (TWD) Below Top of Casing =	18 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	0.30 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	8 liter		

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

FIELD ANALYSES

Flow Rate (ml/min)	150							
Time (Military)	15:30							
Depth to Groundwater Below Top of Casing (ft)	2.65							
Drawdown (ft)	0.05							
pH (S.U.)	11.82							
Sp. Cond. (mS/cm)	1.150							
Turbidity (NTUs)	8.57							
Dissolved Oxygen (mg/L)	0.13							
Water Temperature (°C)	10.08							
ORP (mV)	-228.8							

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

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

COMMENTS/OBSERVATIONS: Start purging well at 14:45hrs. Sample time at 15:35hrs. pH and Specific conductivity not stablizing; pH is high.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/6/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-15D
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 50 ° F
Total Depth (TWD) Below Top of Casing = 25 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 12.80 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: 4 liter

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 687.62 1/100 ft
Height of Riser (above land surface): -0.28 1/100 ft
Land Surface Elevation: 687.9 1/100 ft
Screened Interval (below land surface): 21-25 1/100 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)	125	125	125	125	125	125	125	
Time (Military)	16:00	16:05	16:10	16:15	16:20	16:25	16:30	
Depth to Groundwater Below Top of Casing (ft)	12.90	12.90	12.90	12.90	12.90	12.90	12.90	
Drawdown (ft)	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	
pH (S.U.)	8.75	8.06	7.85	7.74	7.66	7.64	7.64	
Sp. Cond. (mS/cm)	1.106	1.489	1.544	1.590	1.681	1.710	1.719	
Turbidity (NTUs)	4.78	2.92	1.94	0.85	1.26	1.19	2.09	
Dissolved Oxygen (mg/L)	3.30	0.84	0.55	0.50	0.42	0.44	0.41	
Water Temperature (°C)	11.37	11.11	11.09	11.00	11.02	11.01	10.99	
ORP (mV)	-197.6	-169.1	-167.5	-166.6	-167.0	-167.9	-166.9	

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: Start purging well at 15:55hrs. Sample time at 16:35hrs.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	4/7/2015	Casing Diameter	1 inches
Field Personnel	E. Laity	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	685.84 1/100 ft
Job #	**60314190**	Height of Riser (above land surface)	-0.56 1/100 ft
Well ID #	MW-16S	Land Surface Elevation	686.4 1/100 ft
	Upgradient / Downgradient	Screened Interval (below land surface)	12 - 18 1/100 ft
Weather Conditions	Overcast		
Air Temperature	40 ° F		
Total Depth (TWD) Below Top of Casing =	15.4 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	5.50 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		

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)	100	100	100	100				
Time (Military)	13:05	13:10	13:15	13:20				
Depth to Groundwater Below Top of Casing (ft)	7.55	9.00	10.30	11.35				
Drawdown (ft)	-2.05	-1.45	-1.30	-1.05				
pH (S.U.)	6.44	6.39	6.46	6.44				
Sp. Cond. (mS/cm)	2.634	2.575	2.380	2.158				
Turbidity (NTUs)	67.1	50.1	66.4	72.0				
Dissolved Oxygen (mg/L)	2.32	0.9	0.59	0.55				
Water Temperature (°C)	8.67	8.79	8.87	8.89				
ORP (mV)	-94.6	-87.7	-86.4	-91.4				

Physical appearance at start	Color: cloudy	Physical appearance at sampling	Color: cloudy grey
	Odor: yes		Odor: yes
Sheen/Free Product: yes		Sheen/Free Product: yes	

COMMENTS/OBSERVATIONS: Start purging well at 13:00hrs. Sample time at 13:25hrs. Well drawing dry, grab sample.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/7/2015
Field Personnel: E. Laity
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Job #: **60314190**
Well ID #: MW-16D
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 40 ° F
Total Depth (TWD) Below Top of Casing = 24 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 10.3 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

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 686.01 1/100 ft
Height of Riser (above land surface): -0.39 1/100 ft
Land Surface Elevation: 686.4 1/100 ft
Screened Interval (below land surface): 20-24 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	150	100	100	100	100			
Time (Military)	12:25	12:30	12:35	12:40	12:45			
Depth to Groundwater Below Top of Casing (ft)	12.22	12.85	13.25	13.65	13.9			
Drawdown (ft)	-1.92	-0.63	-0.40	-0.40	-0.25			
pH (S.U.)	7.14	7.05	7.00	7.01	7.01			
Sp. Cond. (mS/cm)	2.474	2.494	2.464	2.462	2.430			
Turbidity (NTUs)	14.3	11.4	8.03	6.89	7.96			
Dissolved Oxygen (g/L)	3.80	0.88	0.53	0.46	0.36			
Water Temperature (°C)	9.58	9.34	9.57	9.44	9.89			
ORP (mV)	-145.5	-140.8	-141.0	-129.5	-129.2			

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

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

COMMENTS/OBSERVATIONS: Start purging well at 12:20hrs. Sample time at 12:50hrs.

Appendix C

Current and Historical Summary of Groundwater Elevations

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

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

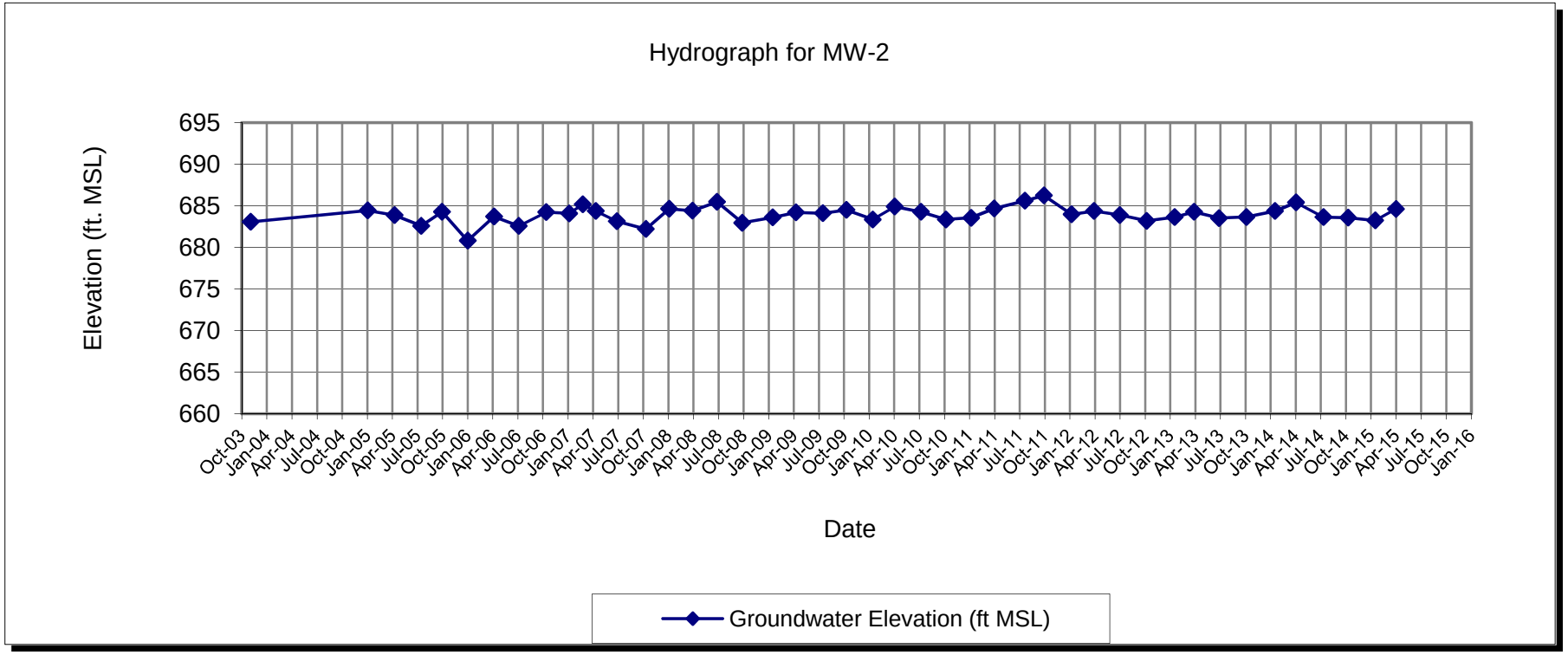
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 690.35
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 690.35

MONITORING WELL MW-2

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

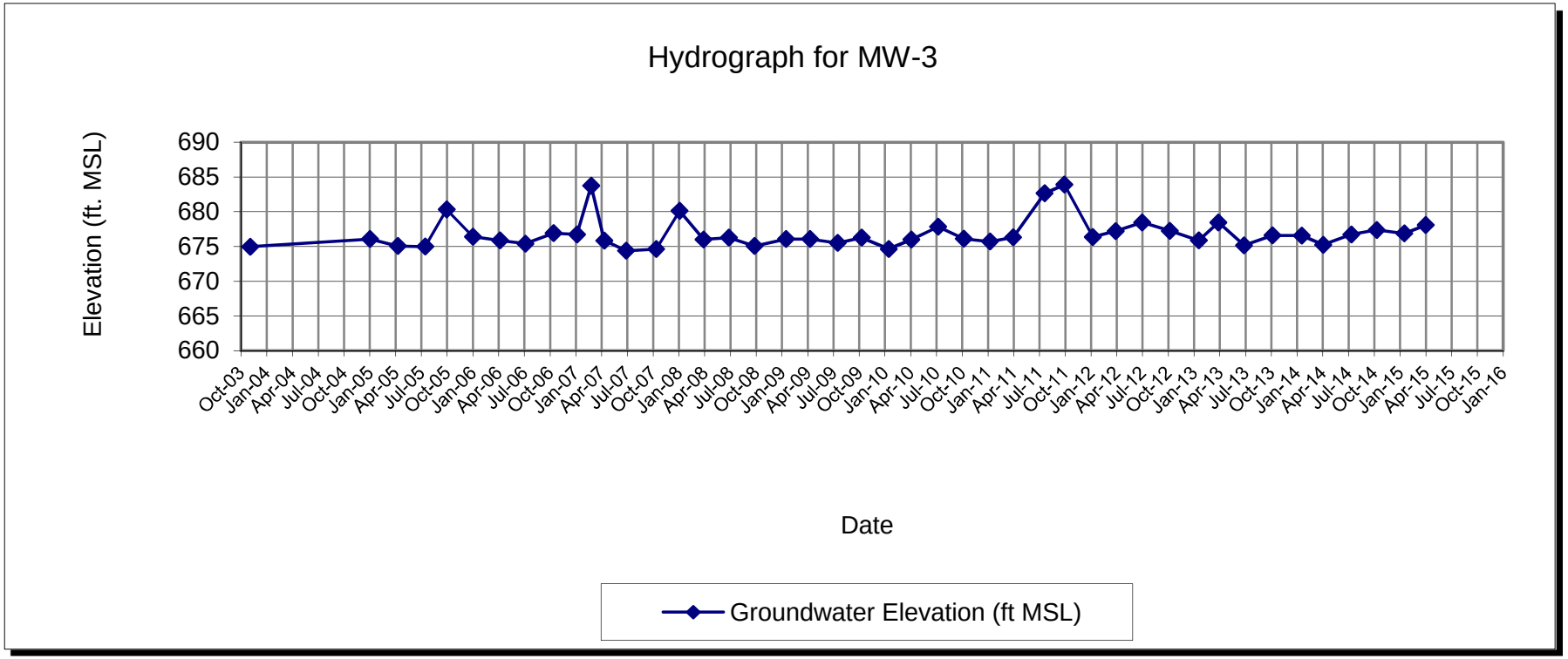
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.72
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 687.02

MONITORING WELL MW-3

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

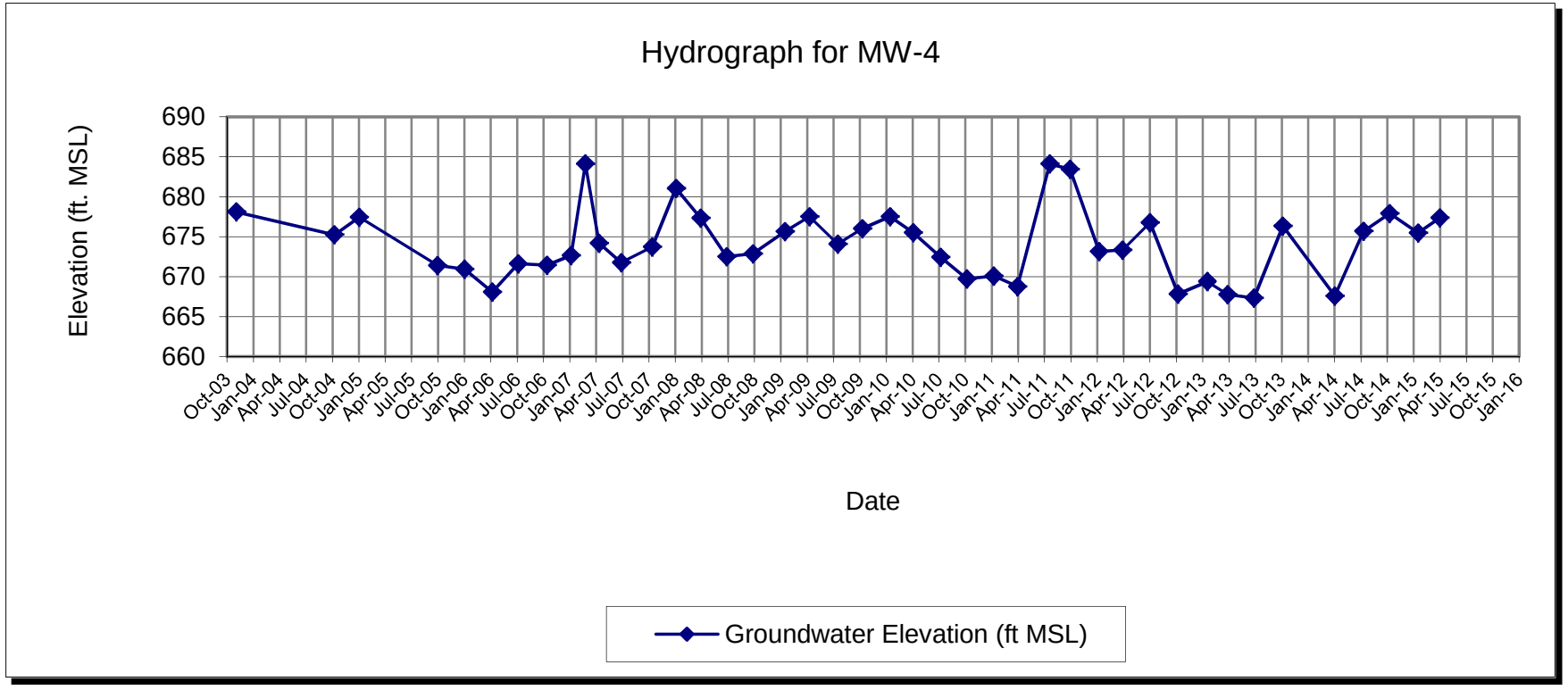
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.64
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 686.42
NM* - Well could not be accessed due to snow cover

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 MSL)
11/7/2003	11.06	675.62
4/8/2004	NM	NA
10/12/2004	9.95	676.73
1/6/2005	13.00	673.68
4/14/2005	11.57	675.11
7/20/2005	12.88	673.80
10/4/2005	8.55	678.13
1/5/2006	12.11	674.57
4/11/2006	11.91	674.77
7/10/2006	12.5	674.18
10/18/2006	11.02	675.66
1/9/2007	11.1	675.58
2/28/2007	4.35	682.33
4/16/2007	11.81	674.87
7/2/2007	12.85	673.83
10/17/2007	13.09	673.59
1/8/2008	7.02	679.66
4/2/2008	11.00	675.68
7/1/2008	10.98	675.55
9/30/2008	11.39	675.14
1/19/2009	9.68	676.85
4/14/2009	10.02	676.51
7/21/2009	11.50	675.03
10/14/2009	10.35	676.18
1/18/2010	11.20	675.33
4/8/2010	10.05	676.48
7/12/2010	9.25	677.28
10/11/2010	9.91	676.62
1/12/2011	10.56	675.97
4/4/2011	10.27	676.26
7/25/2011	4.17	682.36
10/3/2011	3.45	683.08
1/12/2012	9.86	676.67
4/2/2012	9.39	677.14
7/5/2012	7.64	678.89
10/11/2012	10.80	675.73
1/21/2013	10.12	676.41
4/1/2013	8.41	678.12
7/1/2013	11.18	675.35
10/9/2013	9.32	677.21
1/21/2014	9.95	676.58
4/7/2014	10.75	675.78
7/16/2014	9.61	676.92
10/14/2014	8.60	677.93
1/20/2015	9.20	677.33
4/6/2015	8.08	678.45

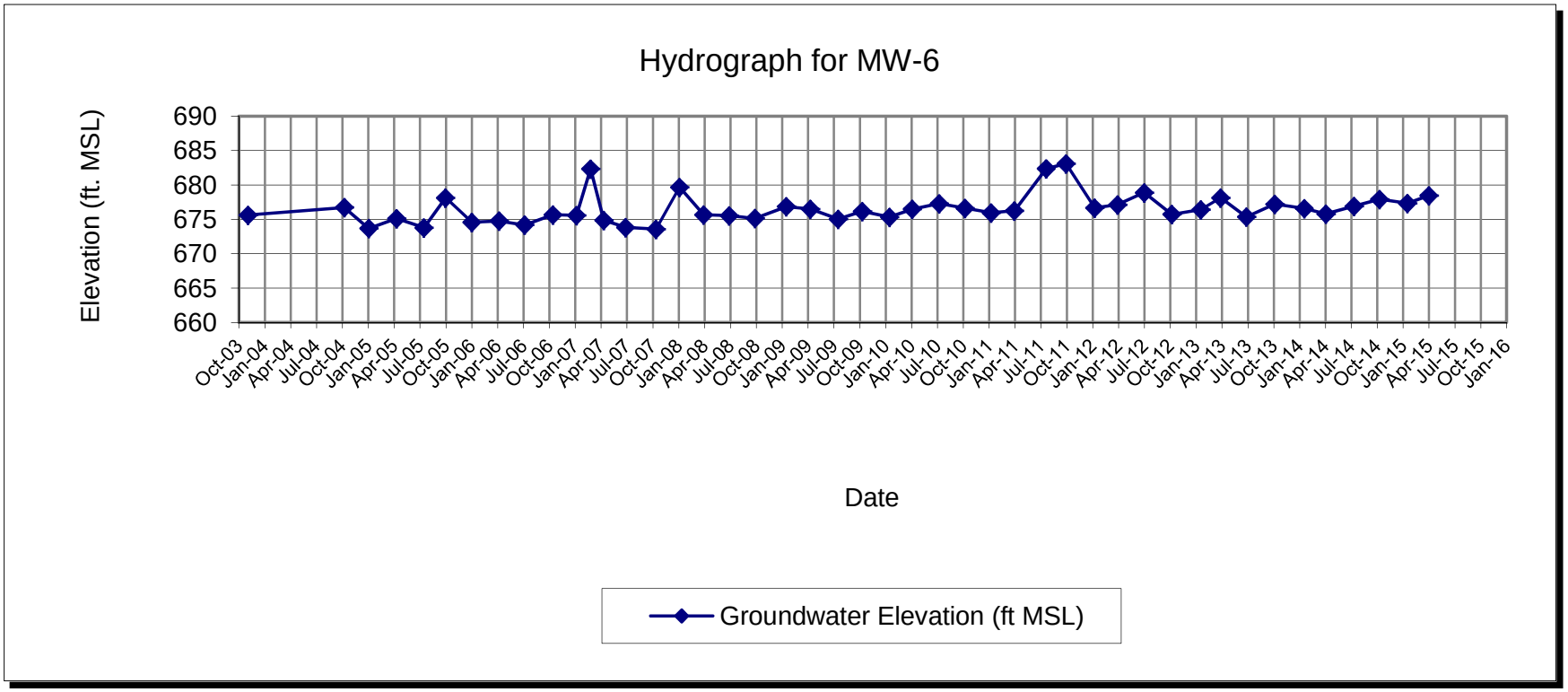
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.68
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 686.53

MONITORING WELL MW-6

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

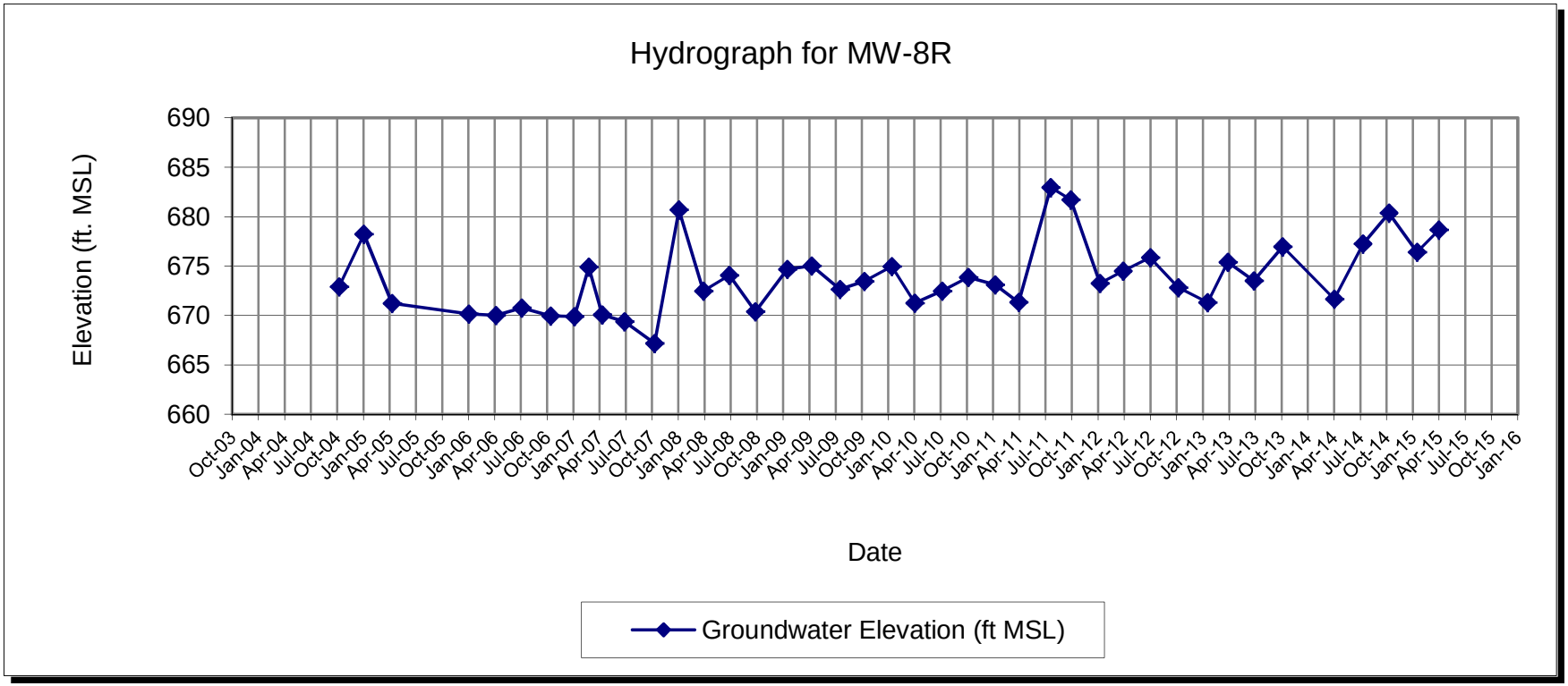
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.67
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 686.21
NM* - Well could not be accessed due to snow cover

MONITORING WELL MW-8R

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

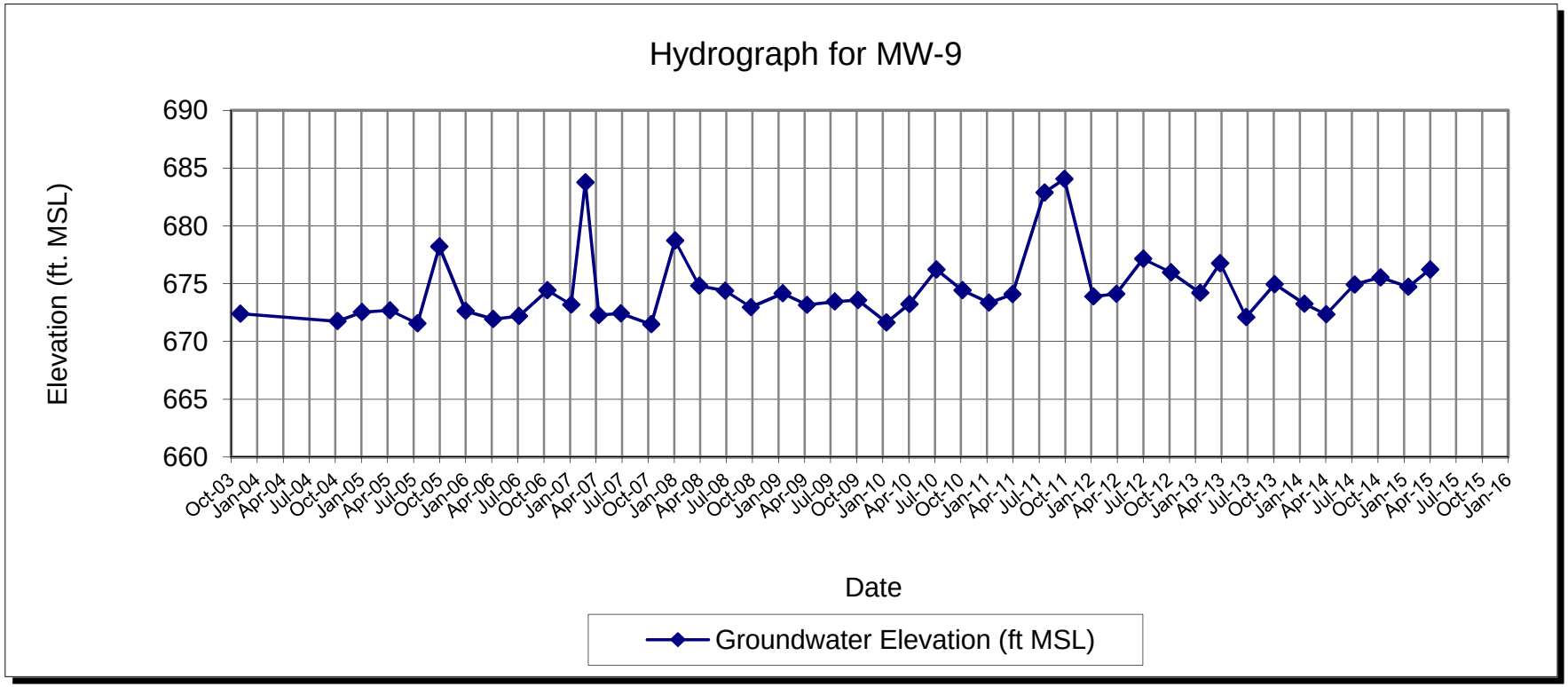
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.43
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 688.64

MONITORING WELL MW-9

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

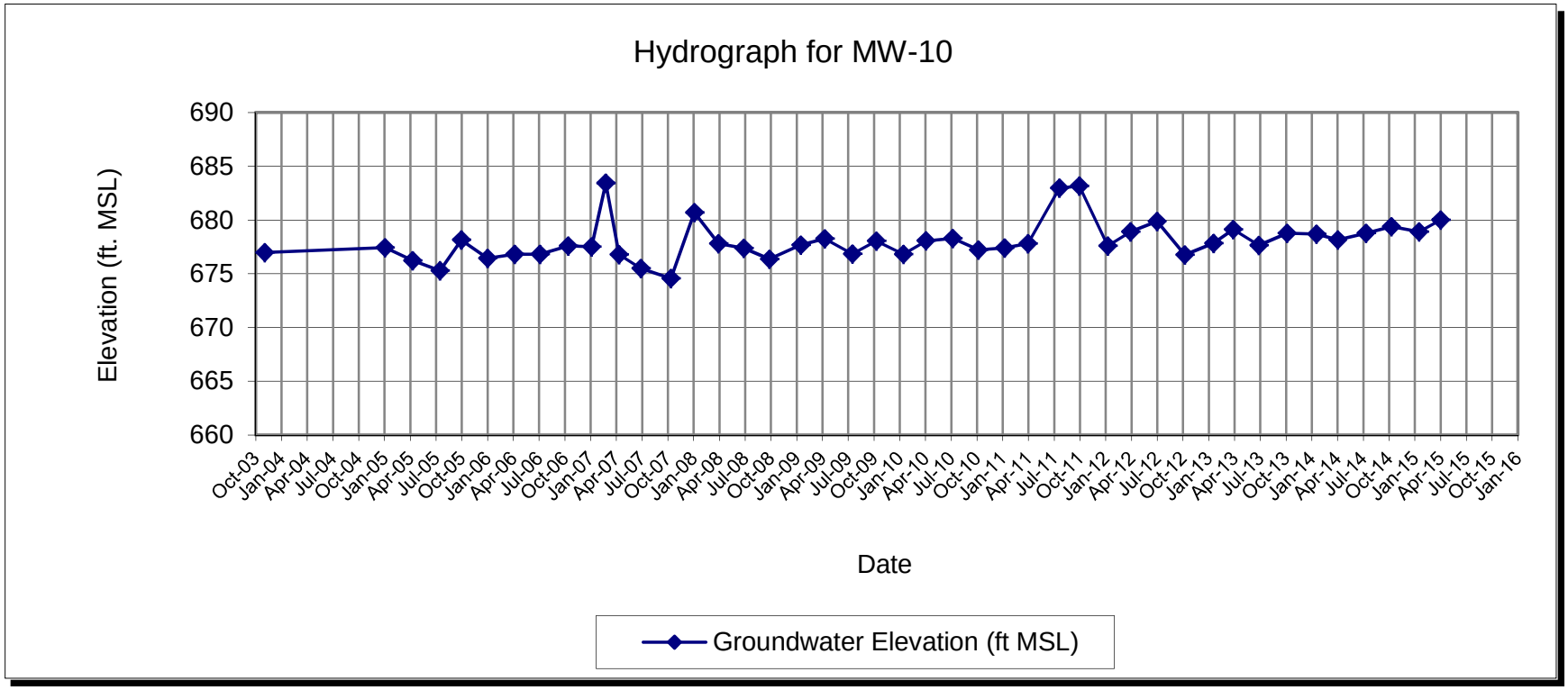
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.72
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 687.41

MONITORING WELL MW-10

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

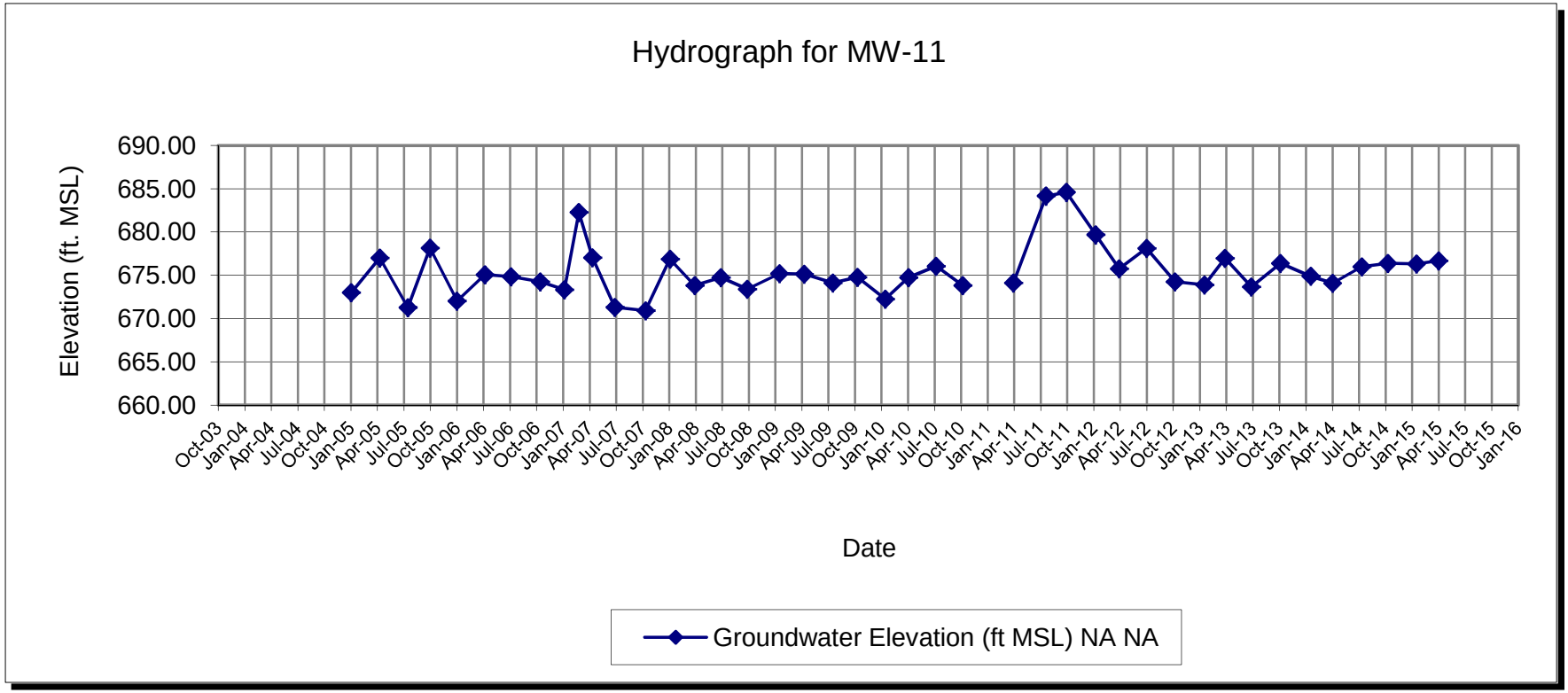
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 688.61
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 688.65

MONITORING WELL MW-11

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

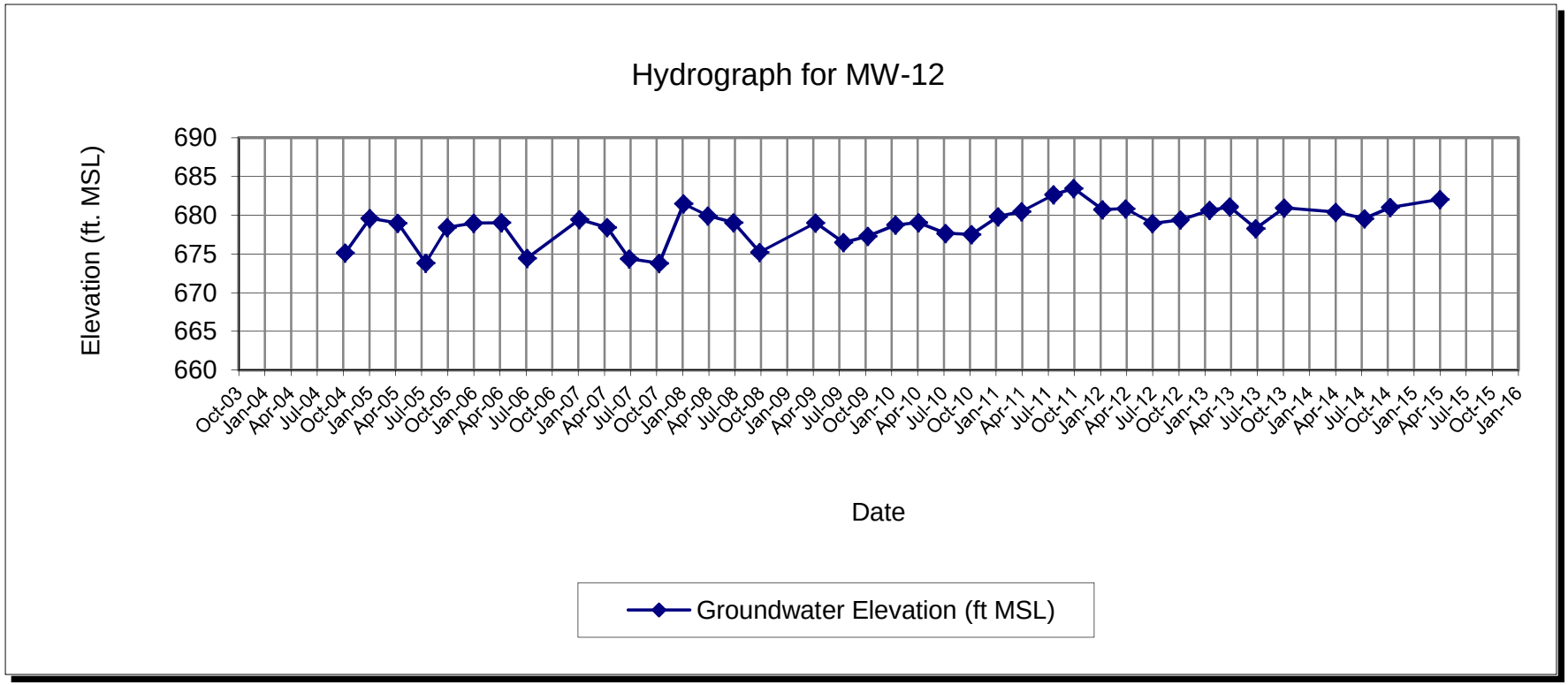
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.79
NM* - Well could not be accessed due to snow cover
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 686.15

MONITORING WELL MW-12

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

.

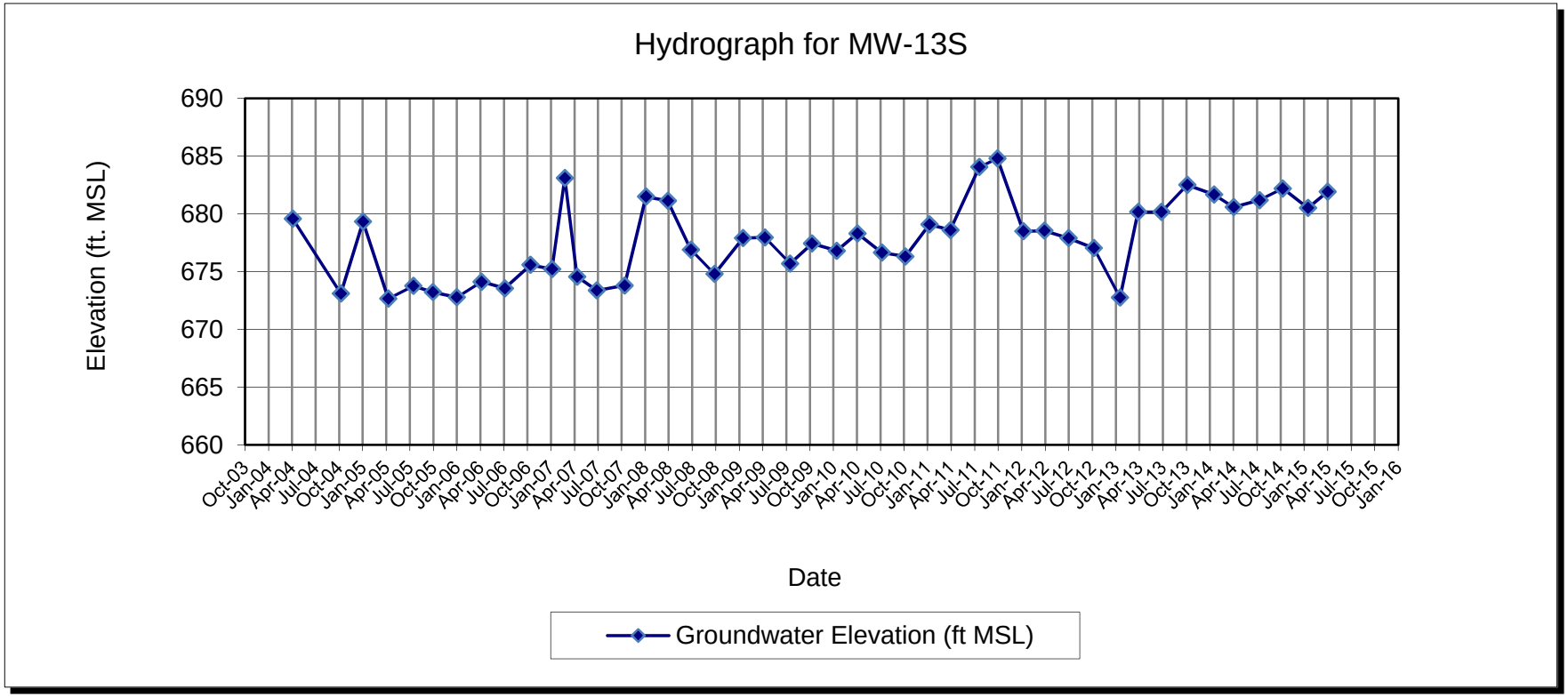
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.57
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 686.60

MONITORING WELL MW-13S

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

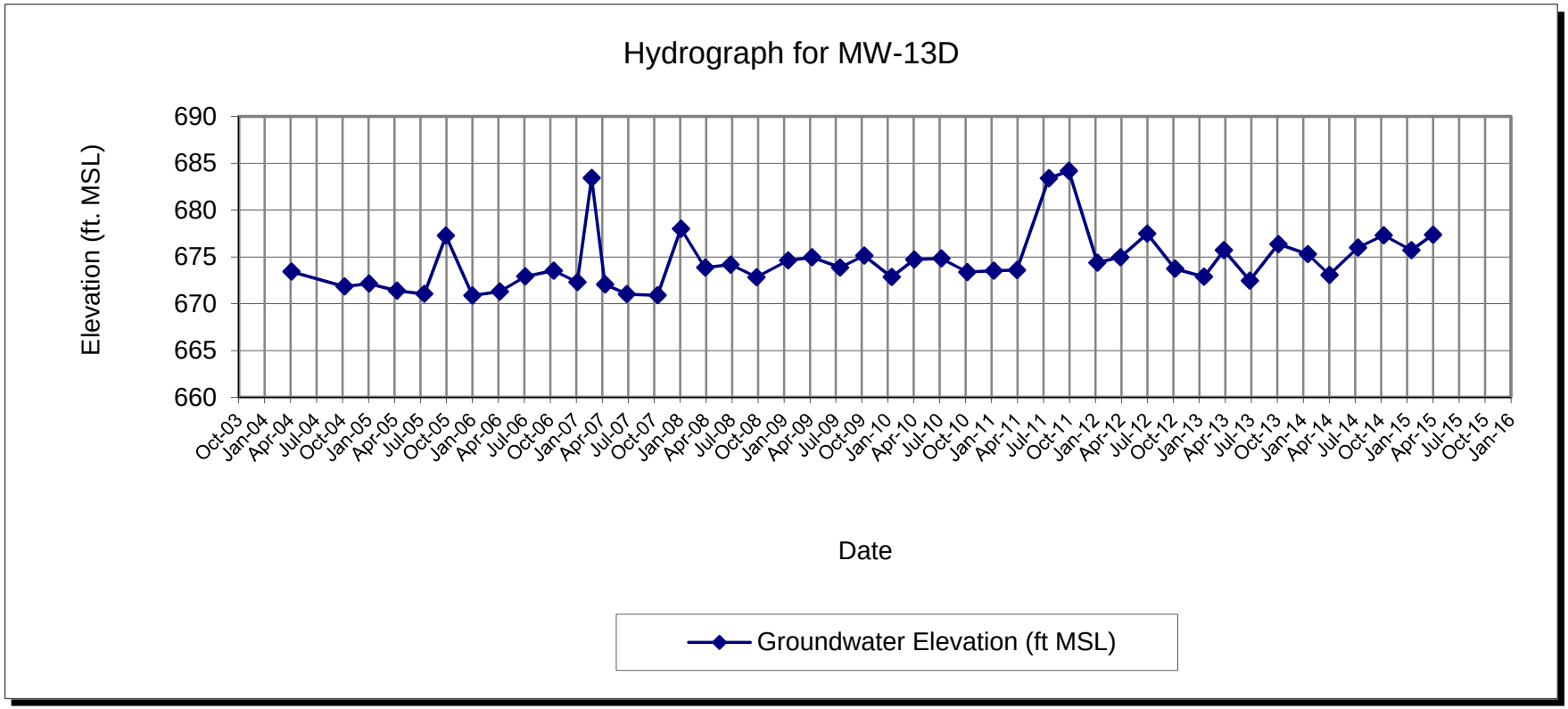
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.71
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 686.73

MONITORING WELL MW-13D

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.14	680.17
10/12/2004	8.57	676.74
1/6/2005	6.27	679.04
4/14/2005	5.16	680.15
7/20/2005	8.32	676.99
10/4/2005	6.14	679.17
1/5/2006	8.41	676.90
4/11/2006	7.75	677.56
7/10/2006	8.18	677.13
10/18/2006	9.00	676.31
1/9/2007	6.61	678.70
2/28/2007	1.50	683.81
4/16/2007	3.45	681.86
7/2/2007	8.36	676.95
10/15/2007	9.45	675.86
1/8/2008	4.65	680.66
4/2/2008	4.47	680.84
7/1/2008	6.37	679.33
9/30/2008	8.90	676.80
1/19/2009	6.15	679.55
4/14/2009	7.70	678.00
7/21/2009	7.25	678.45
10/14/2009	7.05	678.65
1/18/2010	NM	
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

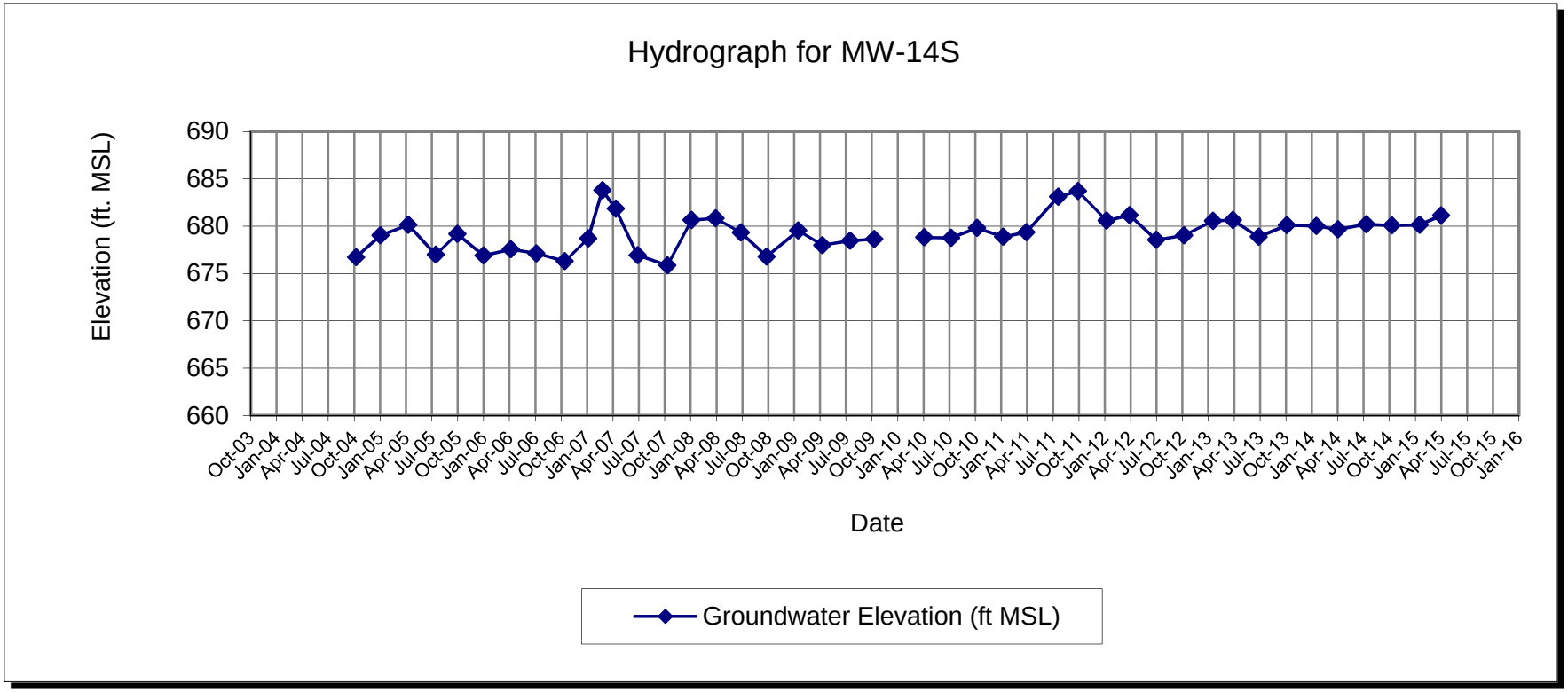
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.31
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 685.70

MONITORING WELL MW-14S

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

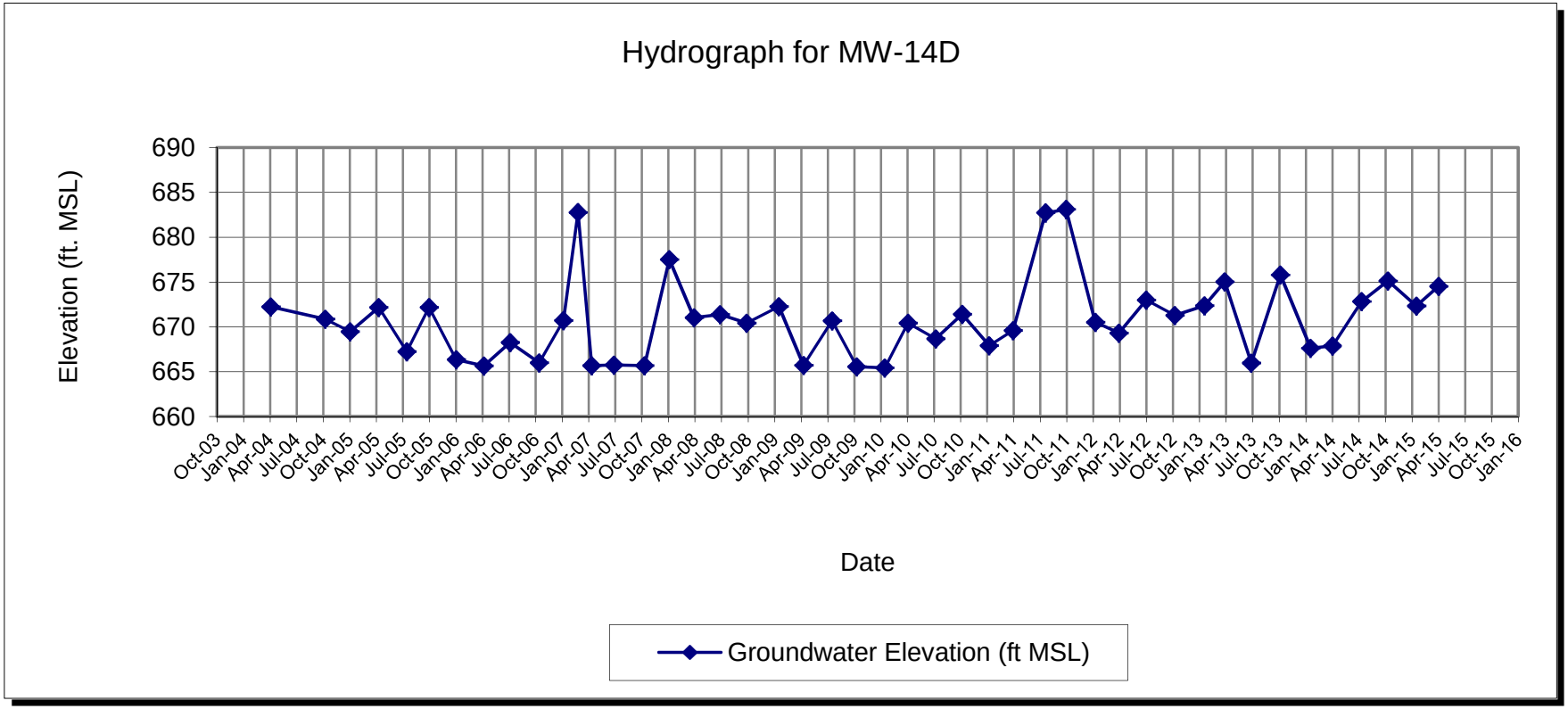
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.43
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 685.82

MONITORING WELL MW-14D

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

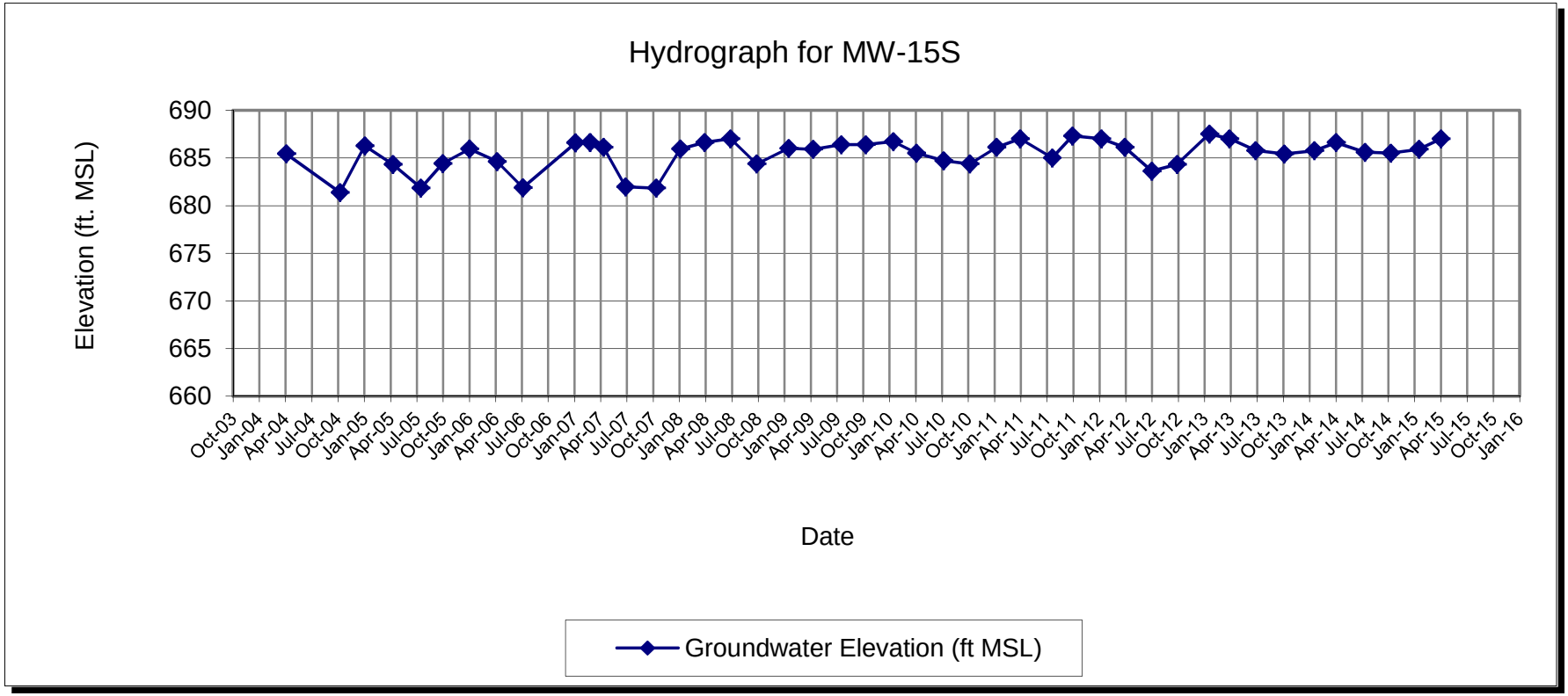
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.64'
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 687.52'

MONITORING WELL MW-15S

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

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

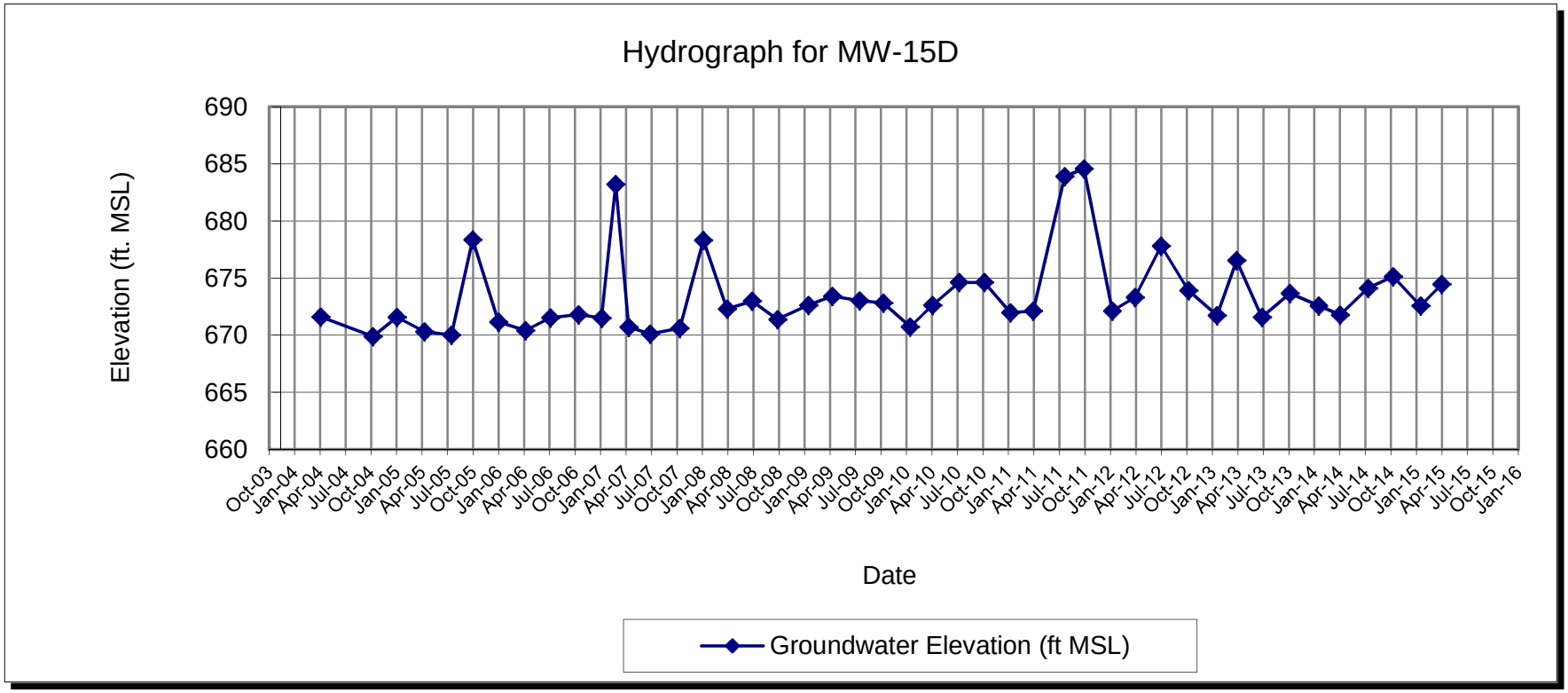
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.31'
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 687.62'

MONITORING WELL MW-15D

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.09	680.75
10/12/2004	12.09	673.75
1/6/2005	4.75	681.09
4/14/2005	10.15	675.69
7/20/2005	14.56	671.28
10/4/2005	11.50	674.34
1/5/2006	11.41	674.43
4/11/2006	12.90	672.94
7/10/2006	11.54	674.30
10/18/2006	12.50	673.34
1/9/2007	13.82	672.02
2/28/2007	2.90	682.94
4/16/2007	13.07	672.77
7/2/2007	12.50	673.34
10/18/2007	15.23	670.61
1/8/2008	5.60	680.24
4/2/2008	12.40	673.44
7/1/2008	15.70	674.67
9/30/2008	19.34	671.03
1/19/2009	17.80	672.57
4/14/2009	18.22	672.15
7/21/2009	19.95	670.42
10/14/2009	17.77	672.60
1/18/2010	16.45	673.92
4/8/2010	18.60	671.77
7/12/2010	18.45	671.92
10/11/2010	13.51	676.86
1/12/2011	NA	
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

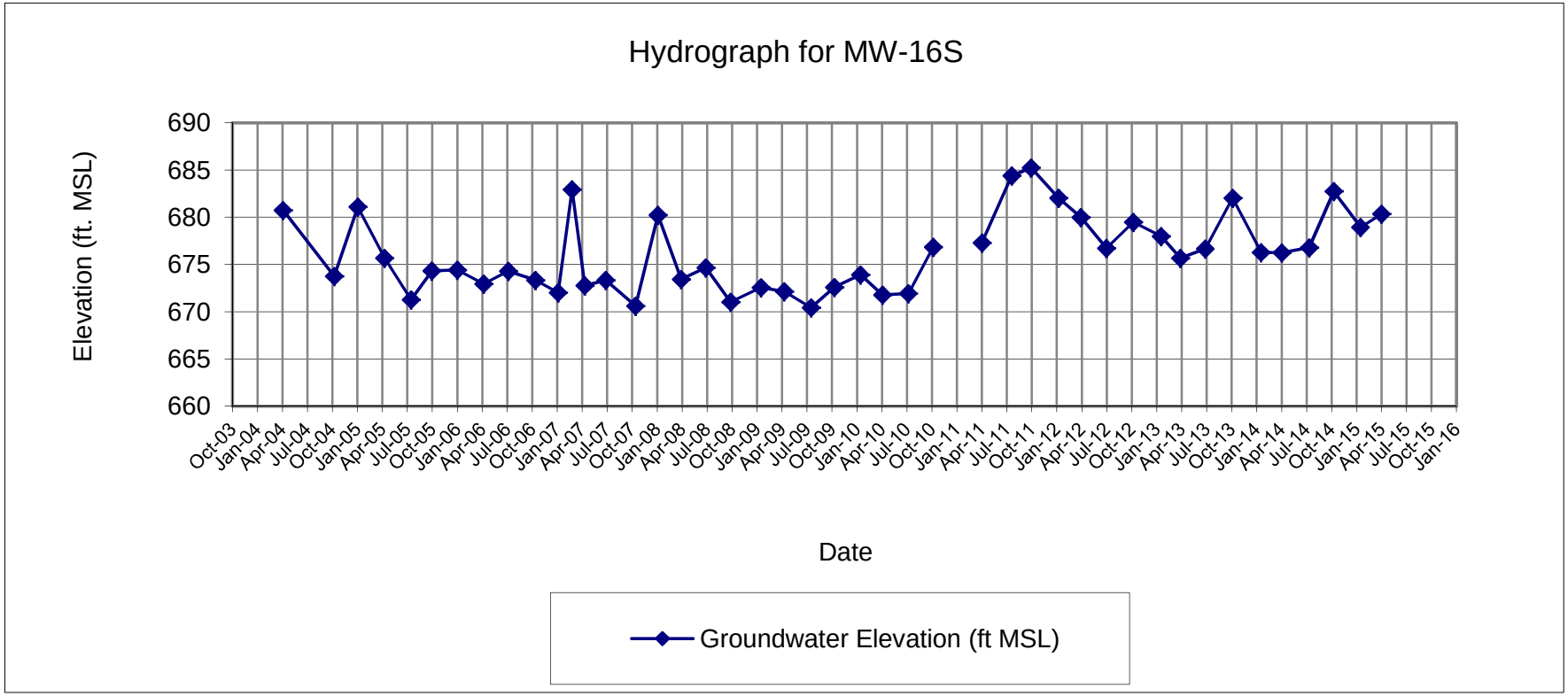
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.84'
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 690.37'
TOC Elevation as of 4/7/2011 - 685.84'

MONITORING WELL MW-16S

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.62	672.39
10/12/2004	15.51	670.50
1/6/2005	13.70	672.31
4/14/2005	16.09	669.92
7/20/2005	16.65	669.36
10/4/2005	9.89	676.12
1/5/2006	17.21	668.80
4/11/2006	17.1	668.91
7/10/2006	10.61	675.4
10/18/2006	15.41	670.6
1/9/2007	15.6	670.41
2/28/2007	2.74	683.27
4/16/2007	16.35	669.66
7/2/2007	16.85	669.16
10/18/2007	17.17	668.84
1/8/2008	8.32	677.69
4/2/2008	13.44	672.57
7/1/2008	17.72	672.83
9/30/2008	19.29	671.26
1/19/2009	17.95	672.60
4/14/2009	17.21	673.34
7/21/2009	18.28	672.27
10/14/2009	17.60	672.95
1/18/2010	19.51	671.04
4/8/2010	17.19	673.36
7/12/2010	17.15	673.40
10/11/2010	18.63	671.92
1/12/2011	NA	NA
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

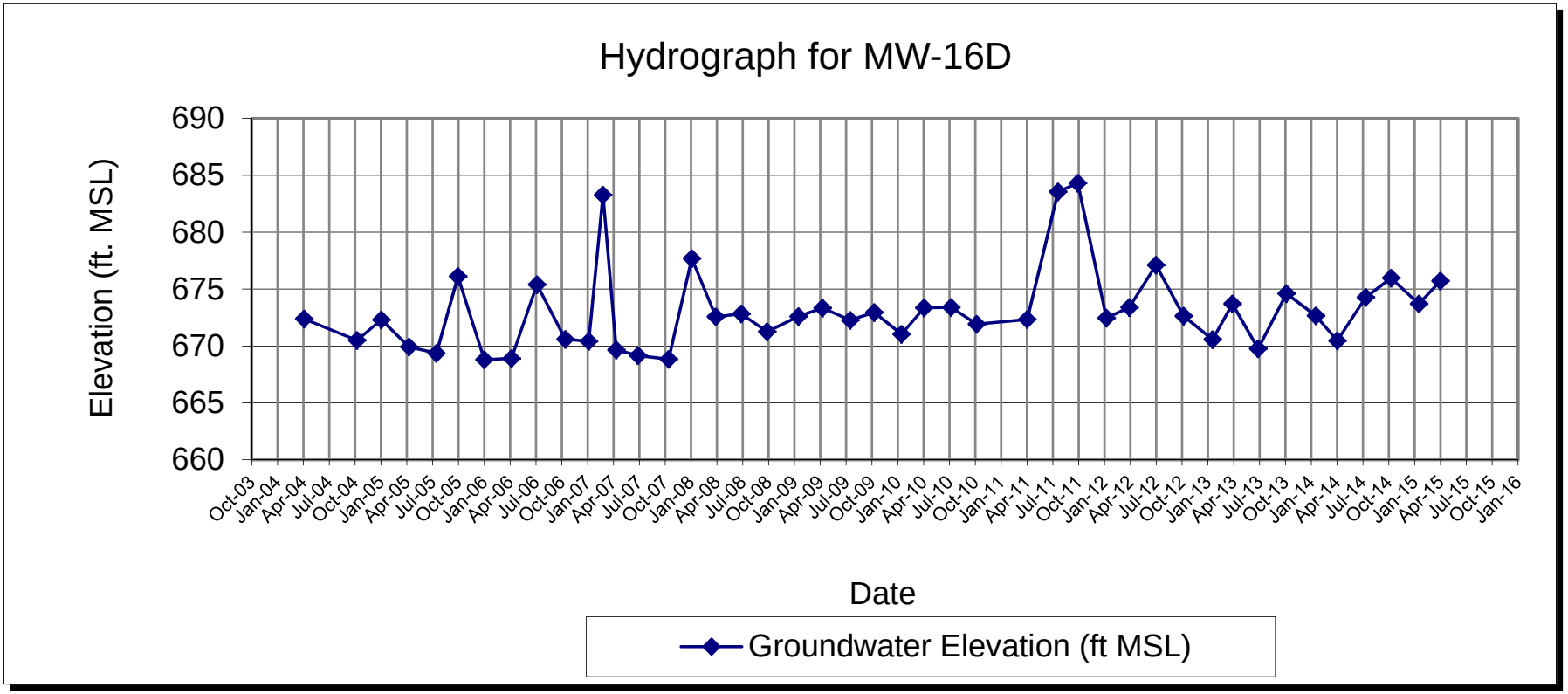
NOTES:
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.01'
DPE and GWCT down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 690.55'
TOC Elevation as of 4/7/2011 - 686.01'

MONITORING WELL MW-16D

SUMMARY OF GROUNDWATER ELEVATIONS

Former Scott Aviation Site

Lancaster, New York



Appendix D

Analytical Laboratory Data Packages

(Provided on CD)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 200-27485-1
Client Project/Site: Scott Aviation site

For:
AECOM, Inc.
100 Corporate Parkway
Suite 341
Amherst, New York 14226

Attn: Mr. Dino Zack

Joseph V. Giacomazza

Authorized for release by:
4/13/2015 1:19:03 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

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

Table of Contents

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 200-27485-1

Qualifiers

Air - GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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 Aviation site

TestAmerica Job ID: 200-27485-1

Job ID: 200-27485-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-27485-1

Receipt
The sample was received on 4/10/2015 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.0º C.

Except:
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): 200-27485-1, Sample collection time on the client label is the start time, used sample collection finish time from the COC for the log-in

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

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 200-27485-1

Client Sample ID: 2Q15 AS EFFLUENT
Date Collected: 04/06/15 08:01
Date Received: 04/10/15 09:11
Sample Container: Summa Canister 6L

Lab Sample ID: 200-27485-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,1,2,2-Tetrachloroethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,1,2-Trichloroethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,1-Dichloroethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,1-Dichloroethene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,2,4-Trichlorobenzene	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
1,2,4-Trimethylbenzene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,2-Dibromoethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,2-Dichlorobenzene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,2-Dichloroethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,2-Dichloroethene, Total	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,2-Dichloropropane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,2-Dichlorotetrafluoroethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,3,5-Trimethylbenzene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,3-Butadiene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,3-Dichlorobenzene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,4-Dichlorobenzene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
1,4-Dioxane	7.5	U	7.5	7.5	ppb v/v			04/11/15 03:43	1.5
2,2,4-Trimethylpentane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
2-Chlorotoluene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
3-Chloropropene	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
4-Ethyltoluene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Acetone	7.5	U	7.5	7.5	ppb v/v			04/11/15 03:43	1.5
Benzene	**0.35**		0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Bromodichloromethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Bromoethene(Vinyl Bromide)	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Bromoform	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Bromomethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Carbon disulfide	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
Carbon tetrachloride	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Chlorobenzene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Chloroethane	**26**		0.75	0.75	ppb v/v			04/11/15 03:43	1.5
Chloroform	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Chloromethane	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
cis-1,2-Dichloroethene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
cis-1,3-Dichloropropene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Cyclohexane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Dibromochloromethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Dichlorodifluoromethane	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
Ethylbenzene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Freon TF	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Hexachlorobutadiene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Isopropyl alcohol	7.5	U	7.5	7.5	ppb v/v			04/11/15 03:43	1.5
m,p-Xylene	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
Methyl Butyl Ketone (2-Hexanone)	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
Methyl Ethyl Ketone	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
methyl isobutyl ketone	0.75	U	0.75	0.75	ppb v/v			04/11/15 03:43	1.5
Methyl tert-butyl ether	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 200-27485-1

Client Sample ID: 2Q15 AS EFFLUENT
Date Collected: 04/06/15 08:01
Date Received: 04/10/15 09:11
Sample Container: Summa Canister 6L

Lab Sample ID: 200-27485-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**1.2**		0.75	0.75	ppb v/v			04/11/15 03:43	1.5
n-Heptane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
n-Hexane	**0.33**		0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Styrene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
tert-Butyl alcohol	7.5	U	7.5	7.5	ppb v/v			04/11/15 03:43	1.5
Tetrachloroethene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Tetrahydrofuran	7.5	U	7.5	7.5	ppb v/v			04/11/15 03:43	1.5
Toluene	**1.6**		0.30	0.30	ppb v/v			04/11/15 03:43	1.5
trans-1,2-Dichloroethene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
trans-1,3-Dichloropropene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Trichloroethene	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Trichlorofluoromethane	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Vinyl chloride	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Xylene (total)	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5
Xylene, o-	0.30	U	0.30	0.30	ppb v/v			04/11/15 03:43	1.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.6	U	1.6	1.6	ug/m3			04/11/15 03:43	1.5
1,1,2,2-Tetrachloroethane	2.1	U	2.1	2.1	ug/m3			04/11/15 03:43	1.5
1,1,2-Trichloroethane	1.6	U	1.6	1.6	ug/m3			04/11/15 03:43	1.5
1,1-Dichloroethane	1.2	U	1.2	1.2	ug/m3			04/11/15 03:43	1.5
1,1-Dichloroethene	1.2	U	1.2	1.2	ug/m3			04/11/15 03:43	1.5
1,2,4-Trichlorobenzene	5.6	U	5.6	5.6	ug/m3			04/11/15 03:43	1.5
1,2,4-Trimethylbenzene	1.5	U	1.5	1.5	ug/m3			04/11/15 03:43	1.5
1,2-Dibromoethane	2.3	U	2.3	2.3	ug/m3			04/11/15 03:43	1.5
1,2-Dichlorobenzene	1.8	U	1.8	1.8	ug/m3			04/11/15 03:43	1.5
1,2-Dichloroethane	1.2	U	1.2	1.2	ug/m3			04/11/15 03:43	1.5
1,2-Dichloroethene, Total	1.2	U	1.2	1.2	ug/m3			04/11/15 03:43	1.5
1,2-Dichloropropane	1.4	U	1.4	1.4	ug/m3			04/11/15 03:43	1.5
1,2-Dichlorotetrafluoroethane	2.1	U	2.1	2.1	ug/m3			04/11/15 03:43	1.5
1,3,5-Trimethylbenzene	1.5	U	1.5	1.5	ug/m3			04/11/15 03:43	1.5
1,3-Butadiene	0.66	U	0.66	0.66	ug/m3			04/11/15 03:43	1.5
1,3-Dichlorobenzene	1.8	U	1.8	1.8	ug/m3			04/11/15 03:43	1.5
1,4-Dichlorobenzene	1.8	U	1.8	1.8	ug/m3			04/11/15 03:43	1.5
1,4-Dioxane	27	U	27	27	ug/m3			04/11/15 03:43	1.5
2,2,4-Trimethylpentane	1.4	U	1.4	1.4	ug/m3			04/11/15 03:43	1.5
2-Chlorotoluene	1.6	U	1.6	1.6	ug/m3			04/11/15 03:43	1.5
3-Chloropropene	2.3	U	2.3	2.3	ug/m3			04/11/15 03:43	1.5
4-Ethyltoluene	1.5	U	1.5	1.5	ug/m3			04/11/15 03:43	1.5
Acetone	18	U	18	18	ug/m3			04/11/15 03:43	1.5
Benzene	**1.1**		0.96	0.96	ug/m3			04/11/15 03:43	1.5
Bromodichloromethane	2.0	U	2.0	2.0	ug/m3			04/11/15 03:43	1.5
Bromoethene(Vinyl Bromide)	1.3	U	1.3	1.3	ug/m3			04/11/15 03:43	1.5
Bromoform	3.1	U	3.1	3.1	ug/m3			04/11/15 03:43	1.5
Bromomethane	1.2	U	1.2	1.2	ug/m3			04/11/15 03:43	1.5
Carbon disulfide	2.3	U	2.3	2.3	ug/m3			04/11/15 03:43	1.5
Carbon tetrachloride	1.9	U	1.9	1.9	ug/m3			04/11/15 03:43	1.5
Chlorobenzene	1.4	U	1.4	1.4	ug/m3			04/11/15 03:43	1.5
Chloroethane	**69**		2.0	2.0	ug/m3			04/11/15 03:43	1.5

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 200-27485-1

Client Sample ID: 2Q15 AS EFFLUENT
Date Collected: 04/06/15 08:01
Date Received: 04/10/15 09:11
Sample Container: Summa Canister 6L

Lab Sample ID: 200-27485-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	1.5	U	1.5	1.5	ug/m3			04/11/15 03:43	1.5
Chloromethane	1.5	U	1.5	1.5	ug/m3			04/11/15 03:43	1.5
cis-1,2-Dichloroethene	1.2	U	1.2	1.2	ug/m3			04/11/15 03:43	1.5
cis-1,3-Dichloropropene	1.4	U	1.4	1.4	ug/m3			04/11/15 03:43	1.5
Cyclohexane	1.0	U	1.0	1.0	ug/m3			04/11/15 03:43	1.5
Dibromochloromethane	2.6	U	2.6	2.6	ug/m3			04/11/15 03:43	1.5
Dichlorodifluoromethane	3.7	U	3.7	3.7	ug/m3			04/11/15 03:43	1.5
Ethylbenzene	1.3	U	1.3	1.3	ug/m3			04/11/15 03:43	1.5
Freon TF	2.3	U	2.3	2.3	ug/m3			04/11/15 03:43	1.5
Hexachlorobutadiene	3.2	U	3.2	3.2	ug/m3			04/11/15 03:43	1.5
Isopropyl alcohol	18	U	18	18	ug/m3			04/11/15 03:43	1.5
m,p-Xylene	3.3	U	3.3	3.3	ug/m3			04/11/15 03:43	1.5
Methyl Butyl Ketone (2-Hexanone)	3.1	U	3.1	3.1	ug/m3			04/11/15 03:43	1.5
Methyl Ethyl Ketone	2.2	U	2.2	2.2	ug/m3			04/11/15 03:43	1.5
methyl isobutyl ketone	3.1	U	3.1	3.1	ug/m3			04/11/15 03:43	1.5
Methyl tert-butyl ether	1.1	U	1.1	1.1	ug/m3			04/11/15 03:43	1.5
Methylene Chloride	**4.1**		2.6	2.6	ug/m3			04/11/15 03:43	1.5
n-Heptane	1.2	U	1.2	1.2	ug/m3			04/11/15 03:43	1.5
n-Hexane	**1.2**		1.1	1.1	ug/m3			04/11/15 03:43	1.5
Styrene	1.3	U	1.3	1.3	ug/m3			04/11/15 03:43	1.5
tert-Butyl alcohol	23	U	23	23	ug/m3			04/11/15 03:43	1.5
Tetrachloroethene	2.0	U	2.0	2.0	ug/m3			04/11/15 03:43	1.5
Tetrahydrofuran	22	U	22	22	ug/m3			04/11/15 03:43	1.5
Toluene	**5.9**		1.1	1.1	ug/m3			04/11/15 03:43	1.5
trans-1,2-Dichloroethene	1.2	U	1.2	1.2	ug/m3			04/11/15 03:43	1.5
trans-1,3-Dichloropropene	1.4	U	1.4	1.4	ug/m3			04/11/15 03:43	1.5
Trichloroethene	1.6	U	1.6	1.6	ug/m3			04/11/15 03:43	1.5
Trichlorofluoromethane	1.7	U	1.7	1.7	ug/m3			04/11/15 03:43	1.5
Vinyl chloride	0.77	U	0.77	0.77	ug/m3			04/11/15 03:43	1.5
Xylene (total)	1.3	U	1.3	1.3	ug/m3			04/11/15 03:43	1.5
Xylene, o-	1.3	U	1.3	1.3	ug/m3			04/11/15 03:43	1.5

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 200-27485-1

Client Sample ID: 2Q15 AS EFFLUENT
Date Collected: 04/06/15 08:01
Date Received: 04/10/15 09:11

Lab Sample ID: 200-27485-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.5	86699	04/11/15 03:43	WRD	TAL BUR

Laboratory References:

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

Certification Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 200-27485-1

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-15
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-16
Florida	NELAP	4	E87467	06-30-15
L-A-B	DoD ELAP		L2336	02-26-17
Maine	State Program	1	VT00008	04-17-17
Minnesota	NELAP	5	050-999-436	12-31-15
New Hampshire	NELAP	1	2006	12-18-15
New Jersey	NELAP	2	VT972	06-30-15
New York	NELAP	2	10391	03-31-16
Pennsylvania	NELAP	3	68-00489	04-30-15 *
Rhode Island	State Program	1	LAO00298	12-30-15
US Fish & Wildlife	Federal		LE-058448-0	02-28-16
USDA	Federal		P330-11-00093	10-28-16
Vermont	State Program	1	VT-4000	12-31-15
Virginia	NELAP	3	460209	12-14-15

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 200-27485-1

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 Aviation site

TestAmerica Job ID: 200-27485-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-27485-1	2Q15 AS EFFLUENT	Air	04/06/15 08:01	04/10/15 09:11

TestAmerica Burlington
30 Community Drive
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.

Client Contact Information	Project Manager: Dino Zack	**Samples Collected By:** E.LAMY	1 of 1 COCs
Company: AECOM	Phone:		
Address: 100 Corp. Pkwy Suite 341	Email: dino.zack@aecom.com		
City/State/Zip Amherst NY 14226			
Phone: 716-836-4506	Site Contact: Dino Zack		
FAX:	TA Contact:		
Project Name: Scott Aviation	**Analysis Turnaround Time**		
Site: LANCASTER NY Scott Aviation	Standard (Specify)		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
2Q15 AS Effluent	4/6/15	8:00	8:01				2866	X											

	Temperature (Fahrenheit)		
	Interior	Ambient	
Start			
Stop			

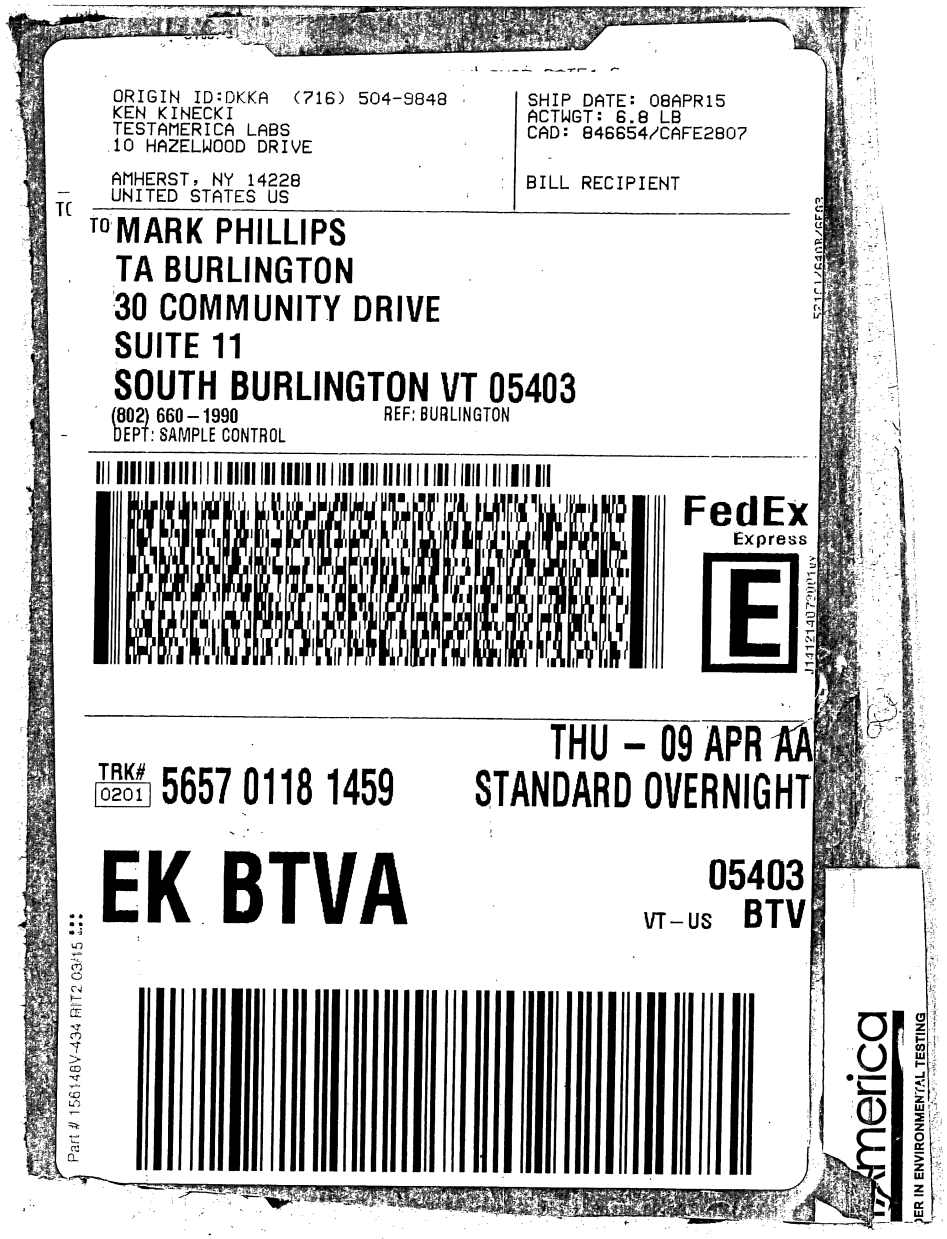
	Pressure (inches of Hg)		
	Interior	Ambient	
Start			
Stop			

200-27485 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time: 4-7-15 12:15	Samples Received by:	4/9/15 TABS 1000
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

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



ORIGIN ID:DKKA (716) 504-9848
KEN KINECKI
TESTAMERICA LABS
10 HAZELWOOD DRIVE

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 08APR15
ACTWGT: 6.8 LB
CAD: 846654/CAFE2807

BILL RECIPIENT

TO MARK PHILLIPS
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660 – 1990 REF: BURLINGTON
DEPT: SAMPLE CONTROL

FedEx Express

TRK# 0201 5657 0118 1459

THU – 09 APR AA
STANDARD OVERNIGHT

EK BTVA

05403
VT – US BTV

Part # 156148V-434 RIT2 03/15

merica

ER IN ENVIRONMENTAL TESTING

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-27485-1

Login Number: 27485

List Source: TestAmerica Burlington

List Number: 1

Creator: Goodrich, Kenneth L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
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.	True	AMBIENT
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.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-27485-1

Login Number: 27485

List Source: TestAmerica Burlington

List Number: 2

Creator: Goodrich, Kenneth L

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-77898-1
Client Project/Site: Scott Aviation site

For:
AECOM, Inc.
100 Corporate Parkway
Suite 341
Amherst, New York 14226

Attn: Mr. Dino Zack

Joseph V. Giacomazza

Authorized for release by:
4/20/2015 11:43:40 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

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

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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)

Job ID: 480-77898-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-77898-1

Receipt
The samples were received on 4/7/2015 5:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6º C.

GC/MS VOA
Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-2 (480-77898-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-16S (480-77898-8), Duplicate (480-77898-9), MW-8R (480-77898-11), MW-13S (480-77898-12), MW-15S (480-77898-17), (480-77898-A-17 MS) and (480-77898-A-17 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-11 (480-77898-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-77898-3), MW-15D (480-77898-18) and MW-16D (480-77898-19). Elevated reporting limits (RLs) are provided.

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

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-2
Date Collected: 04/07/15 09:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-1
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		5.0	4.1	ug/L			04/16/15 12:24	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			04/16/15 12:24	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			04/16/15 12:24	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			04/16/15 12:24	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			04/16/15 12:24	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			04/16/15 12:24	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			04/16/15 12:24	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			04/16/15 12:24	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			04/16/15 12:24	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			04/16/15 12:24	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			04/16/15 12:24	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			04/16/15 12:24	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			04/16/15 12:24	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			04/16/15 12:24	5
2-Butanone (MEK)	ND		50	6.6	ug/L			04/16/15 12:24	5
2-Hexanone	ND		25	6.2	ug/L			04/16/15 12:24	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			04/16/15 12:24	5
Acetone	ND		50	15	ug/L			04/16/15 12:24	5
Benzene	ND		5.0	2.1	ug/L			04/16/15 12:24	5
Bromodichloromethane	ND		5.0	2.0	ug/L			04/16/15 12:24	5
Bromoform	ND		5.0	1.3	ug/L			04/16/15 12:24	5
Bromomethane	ND		5.0	3.5	ug/L			04/16/15 12:24	5
Carbon disulfide	ND		5.0	0.95	ug/L			04/16/15 12:24	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			04/16/15 12:24	5
Chlorobenzene	ND		5.0	3.8	ug/L			04/16/15 12:24	5
Chloroethane	**2.0**	**J**	5.0	1.6	ug/L			04/16/15 12:24	5
Chloroform	ND		5.0	1.7	ug/L			04/16/15 12:24	5
Chloromethane	ND		5.0	1.8	ug/L			04/16/15 12:24	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			04/16/15 12:24	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			04/16/15 12:24	5
Cyclohexane	ND		5.0	0.90	ug/L			04/16/15 12:24	5
Dibromochloromethane	ND		5.0	1.6	ug/L			04/16/15 12:24	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			04/16/15 12:24	5
Ethylbenzene	ND		5.0	3.7	ug/L			04/16/15 12:24	5
Isopropylbenzene	ND		5.0	4.0	ug/L			04/16/15 12:24	5
Methyl acetate	ND		13	2.5	ug/L			04/16/15 12:24	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			04/16/15 12:24	5
Methylcyclohexane	ND		5.0	0.80	ug/L			04/16/15 12:24	5
Methylene Chloride	ND		5.0	2.2	ug/L			04/16/15 12:24	5
Styrene	ND		5.0	3.7	ug/L			04/16/15 12:24	5
Tetrachloroethene	ND		5.0	1.8	ug/L			04/16/15 12:24	5
Toluene	ND		5.0	2.6	ug/L			04/16/15 12:24	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			04/16/15 12:24	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			04/16/15 12:24	5
Trichloroethene	ND		5.0	2.3	ug/L			04/16/15 12:24	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			04/16/15 12:24	5
Vinyl chloride	ND		5.0	4.5	ug/L			04/16/15 12:24	5
Xylenes, Total	ND		10	3.3	ug/L			04/16/15 12:24	5

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-2
Date Collected: 04/07/15 09:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-1
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		04/16/15 12:24	5
4-Bromofluorobenzene (Surr)	98		73 - 120		04/16/15 12:24	5
Toluene-d8 (Surr)	98		71 - 126		04/16/15 12:24	5

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-3
Date Collected: 04/07/15 10:05
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-2
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	0.82	ug/L			04/16/15 12:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 12:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 12:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 12:52	1
1,1-Dichloroethane	**8.4**		1.0	0.38	ug/L			04/16/15 12:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 12:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 12:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 12:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 12:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 12:52	1
1,2-Dichloroethane	**0.21**	**J**	1.0	0.21	ug/L			04/16/15 12:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 12:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 12:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 12:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 12:52	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 12:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 12:52	1
Acetone	ND		10	3.0	ug/L			04/16/15 12:52	1
Benzene	ND		1.0	0.41	ug/L			04/16/15 12:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 12:52	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 12:52	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 12:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 12:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 12:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 12:52	1
Chloroethane	**2.8**		1.0	0.32	ug/L			04/16/15 12:52	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 12:52	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 12:52	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.81	ug/L			04/16/15 12:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 12:52	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 12:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 12:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 12:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 12:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 12:52	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 12:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 12:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 12:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 12:52	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 12:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 12:52	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 12:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 12:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 12:52	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/15 12:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 12:52	1
Vinyl chloride	**7.1**		1.0	0.90	ug/L			04/16/15 12:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 12:52	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-3
Date Collected: 04/07/15 10:05
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-2
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		04/16/15 12:52	1
4-Bromofluorobenzene (Surr)	96		73 - 120		04/16/15 12:52	1
Toluene-d8 (Surr)	97		71 - 126		04/16/15 12:52	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-4
Date Collected: 04/07/15 14:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-3
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		80	66	ug/L			04/17/15 02:42	80
1,1,2,2-Tetrachloroethane	ND		80	17	ug/L			04/17/15 02:42	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		80	25	ug/L			04/17/15 02:42	80
1,1,2-Trichloroethane	ND		80	18	ug/L			04/17/15 02:42	80
1,1-Dichloroethane	**37**	**J**	80	30	ug/L			04/17/15 02:42	80
1,1-Dichloroethene	**24**	**J**	80	23	ug/L			04/17/15 02:42	80
1,2,4-Trichlorobenzene	ND		80	33	ug/L			04/17/15 02:42	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			04/17/15 02:42	80
1,2-Dibromoethane	ND		80	58	ug/L			04/17/15 02:42	80
1,2-Dichlorobenzene	ND		80	63	ug/L			04/17/15 02:42	80
1,2-Dichloroethane	ND		80	17	ug/L			04/17/15 02:42	80
1,2-Dichloropropane	ND		80	58	ug/L			04/17/15 02:42	80
1,3-Dichlorobenzene	ND		80	62	ug/L			04/17/15 02:42	80
1,4-Dichlorobenzene	ND		80	67	ug/L			04/17/15 02:42	80
2-Butanone (MEK)	ND		800	110	ug/L			04/17/15 02:42	80
2-Hexanone	ND		400	99	ug/L			04/17/15 02:42	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			04/17/15 02:42	80
Acetone	ND		800	240	ug/L			04/17/15 02:42	80
Benzene	ND		80	33	ug/L			04/17/15 02:42	80
Bromodichloromethane	ND		80	31	ug/L			04/17/15 02:42	80
Bromoform	ND		80	21	ug/L			04/17/15 02:42	80
Bromomethane	ND		80	55	ug/L			04/17/15 02:42	80
Carbon disulfide	ND		80	15	ug/L			04/17/15 02:42	80
Carbon tetrachloride	ND		80	22	ug/L			04/17/15 02:42	80
Chlorobenzene	ND		80	60	ug/L			04/17/15 02:42	80
Chloroethane	ND		80	26	ug/L			04/17/15 02:42	80
Chloroform	ND		80	27	ug/L			04/17/15 02:42	80
Chloromethane	ND		80	28	ug/L			04/17/15 02:42	80
cis-1,2-Dichloroethene	**3600**		80	65	ug/L			04/17/15 02:42	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			04/17/15 02:42	80
Cyclohexane	ND		80	14	ug/L			04/17/15 02:42	80
Dibromochloromethane	ND		80	26	ug/L			04/17/15 02:42	80
Dichlorodifluoromethane	ND		80	54	ug/L			04/17/15 02:42	80
Ethylbenzene	ND		80	59	ug/L			04/17/15 02:42	80
Isopropylbenzene	ND		80	63	ug/L			04/17/15 02:42	80
Methyl acetate	ND		200	40	ug/L			04/17/15 02:42	80
Methyl tert-butyl ether	ND		80	13	ug/L			04/17/15 02:42	80
Methylcyclohexane	ND		80	13	ug/L			04/17/15 02:42	80
Methylene Chloride	ND		80	35	ug/L			04/17/15 02:42	80
Styrene	ND		80	58	ug/L			04/17/15 02:42	80
Tetrachloroethene	ND		80	29	ug/L			04/17/15 02:42	80
Toluene	ND		80	41	ug/L			04/17/15 02:42	80
trans-1,2-Dichloroethene	ND		80	72	ug/L			04/17/15 02:42	80
trans-1,3-Dichloropropene	ND		80	30	ug/L			04/17/15 02:42	80
Trichloroethene	**110**		80	37	ug/L			04/17/15 02:42	80
Trichlorofluoromethane	ND		80	70	ug/L			04/17/15 02:42	80
Vinyl chloride	**480**		80	72	ug/L			04/17/15 02:42	80
Xylenes, Total	ND		160	53	ug/L			04/17/15 02:42	80

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-4
Date Collected: 04/07/15 14:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-3
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		04/17/15 02:42	80
4-Bromofluorobenzene (Surr)	98		73 - 120		04/17/15 02:42	80
Toluene-d8 (Surr)	98		71 - 126		04/17/15 02:42	80

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-6
Date Collected: 04/06/15 12:55
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-4
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	0.82	ug/L			04/16/15 13:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 13:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 13:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 13:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/16/15 13:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 13:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 13:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 13:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 13:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 13:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/16/15 13:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 13:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 13:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 13:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 13:47	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 13:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 13:47	1
Acetone	ND		10	3.0	ug/L			04/16/15 13:47	1
Benzene	ND		1.0	0.41	ug/L			04/16/15 13:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 13:47	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 13:47	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 13:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 13:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 13:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 13:47	1
Chloroethane	ND		1.0	0.32	ug/L			04/16/15 13:47	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 13:47	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 13:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/16/15 13:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 13:47	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 13:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 13:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 13:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 13:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 13:47	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 13:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 13:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 13:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 13:47	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 13:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 13:47	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 13:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 13:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 13:47	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/15 13:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 13:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/16/15 13:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 13:47	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-6
Date Collected: 04/06/15 12:55
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-4
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		04/16/15 13:47	1
4-Bromofluorobenzene (Surr)	98		73 - 120		04/16/15 13:47	1
Toluene-d8 (Surr)	100		71 - 126		04/16/15 13:47	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-10
Date Collected: 04/06/15 13:50
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-5
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	0.82	ug/L			04/16/15 14:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 14:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 14:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 14:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/16/15 14:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 14:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 14:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 14:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 14:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 14:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/16/15 14:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 14:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 14:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 14:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 14:14	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 14:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 14:14	1
Acetone	ND		10	3.0	ug/L			04/16/15 14:14	1
Benzene	ND		1.0	0.41	ug/L			04/16/15 14:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 14:14	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 14:14	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 14:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 14:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 14:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 14:14	1
Chloroethane	ND		1.0	0.32	ug/L			04/16/15 14:14	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 14:14	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 14:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/16/15 14:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 14:14	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 14:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 14:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 14:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 14:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 14:14	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 14:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 14:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 14:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 14:14	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 14:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 14:14	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 14:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 14:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 14:14	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/15 14:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 14:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/16/15 14:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 14:14	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-10
Date Collected: 04/06/15 13:50
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-5
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		04/16/15 14:14	1
4-Bromofluorobenzene (Surr)	100		73 - 120		04/16/15 14:14	1
Toluene-d8 (Surr)	100		71 - 126		04/16/15 14:14	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-11
Date Collected: 04/06/15 11:20
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-6
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		2.0	1.6	ug/L			04/17/15 03:09	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			04/17/15 03:09	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			04/17/15 03:09	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			04/17/15 03:09	2
1,1-Dichloroethane	**4.7**		2.0	0.76	ug/L			04/17/15 03:09	2
1,1-Dichloroethene	**0.78**	**J**	2.0	0.58	ug/L			04/17/15 03:09	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			04/17/15 03:09	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			04/17/15 03:09	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			04/17/15 03:09	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			04/17/15 03:09	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			04/17/15 03:09	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			04/17/15 03:09	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			04/17/15 03:09	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			04/17/15 03:09	2
2-Butanone (MEK)	ND		20	2.6	ug/L			04/17/15 03:09	2
2-Hexanone	ND		10	2.5	ug/L			04/17/15 03:09	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			04/17/15 03:09	2
Acetone	ND		20	6.0	ug/L			04/17/15 03:09	2
Benzene	ND		2.0	0.82	ug/L			04/17/15 03:09	2
Bromodichloromethane	ND		2.0	0.78	ug/L			04/17/15 03:09	2
Bromoform	ND		2.0	0.52	ug/L			04/17/15 03:09	2
Bromomethane	ND		2.0	1.4	ug/L			04/17/15 03:09	2
Carbon disulfide	ND		2.0	0.38	ug/L			04/17/15 03:09	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			04/17/15 03:09	2
Chlorobenzene	ND		2.0	1.5	ug/L			04/17/15 03:09	2
Chloroethane	**2.4**		2.0	0.64	ug/L			04/17/15 03:09	2
Chloroform	ND		2.0	0.68	ug/L			04/17/15 03:09	2
Chloromethane	ND		2.0	0.70	ug/L			04/17/15 03:09	2
cis-1,2-Dichloroethene	**19**		2.0	1.6	ug/L			04/17/15 03:09	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			04/17/15 03:09	2
Cyclohexane	ND		2.0	0.36	ug/L			04/17/15 03:09	2
Dibromochloromethane	ND		2.0	0.64	ug/L			04/17/15 03:09	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			04/17/15 03:09	2
Ethylbenzene	ND		2.0	1.5	ug/L			04/17/15 03:09	2
Isopropylbenzene	ND		2.0	1.6	ug/L			04/17/15 03:09	2
Methyl acetate	ND		5.0	1.0	ug/L			04/17/15 03:09	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			04/17/15 03:09	2
Methylcyclohexane	ND		2.0	0.32	ug/L			04/17/15 03:09	2
Methylene Chloride	ND		2.0	0.88	ug/L			04/17/15 03:09	2
Styrene	ND		2.0	1.5	ug/L			04/17/15 03:09	2
Tetrachloroethene	ND		2.0	0.72	ug/L			04/17/15 03:09	2
Toluene	ND		2.0	1.0	ug/L			04/17/15 03:09	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			04/17/15 03:09	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			04/17/15 03:09	2
Trichloroethene	ND		2.0	0.92	ug/L			04/17/15 03:09	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			04/17/15 03:09	2
Vinyl chloride	**6.7**		2.0	1.8	ug/L			04/17/15 03:09	2
Xylenes, Total	ND		4.0	1.3	ug/L			04/17/15 03:09	2

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-11
Date Collected: 04/06/15 11:20
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-6
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		04/17/15 03:09	2
4-Bromofluorobenzene (Surr)	98		73 - 120		04/17/15 03:09	2
Toluene-d8 (Surr)	98		71 - 126		04/17/15 03:09	2

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-12
Date Collected: 04/06/15 12:15
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-7
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	0.82	ug/L			04/16/15 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 15:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 15:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/16/15 15:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 15:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 15:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 15:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 15:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 15:09	1
1,2-Dichloroethane	**0.24**	**J**	1.0	0.21	ug/L			04/16/15 15:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 15:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 15:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 15:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 15:09	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 15:09	1
Acetone	ND		10	3.0	ug/L			04/16/15 15:09	1
Benzene	**0.87**	**J**	1.0	0.41	ug/L			04/16/15 15:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 15:09	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 15:09	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 15:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 15:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 15:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 15:09	1
Chloroethane	**11**		1.0	0.32	ug/L			04/16/15 15:09	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 15:09	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/16/15 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 15:09	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 15:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 15:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 15:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 15:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 15:09	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 15:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 15:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 15:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 15:09	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 15:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 15:09	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 15:09	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/15 15:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 15:09	1
Vinyl chloride	**7.2**		1.0	0.90	ug/L			04/16/15 15:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 15:09	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-12
Date Collected: 04/06/15 12:15
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-7
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		04/16/15 15:09	1
4-Bromofluorobenzene (Surr)	98		73 - 120		04/16/15 15:09	1
Toluene-d8 (Surr)	98		71 - 126		04/16/15 15:09	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-16S
Date Collected: 04/07/15 13:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-8
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		4000	3300	ug/L			04/16/15 15:37	4000
1,1,2,2-Tetrachloroethane	ND		4000	840	ug/L			04/16/15 15:37	4000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000	1200	ug/L			04/16/15 15:37	4000
1,1,2-Trichloroethane	ND		4000	920	ug/L			04/16/15 15:37	4000
1,1-Dichloroethane	ND		4000	1500	ug/L			04/16/15 15:37	4000
1,1-Dichloroethene	**1600**	**J**	4000	1200	ug/L			04/16/15 15:37	4000
1,2,4-Trichlorobenzene	ND		4000	1600	ug/L			04/16/15 15:37	4000
1,2-Dibromo-3-Chloropropane	ND		4000	1600	ug/L			04/16/15 15:37	4000
1,2-Dibromoethane	ND		4000	2900	ug/L			04/16/15 15:37	4000
1,2-Dichlorobenzene	ND		4000	3200	ug/L			04/16/15 15:37	4000
1,2-Dichloroethane	ND		4000	840	ug/L			04/16/15 15:37	4000
1,2-Dichloropropane	ND		4000	2900	ug/L			04/16/15 15:37	4000
1,3-Dichlorobenzene	ND		4000	3100	ug/L			04/16/15 15:37	4000
1,4-Dichlorobenzene	ND		4000	3400	ug/L			04/16/15 15:37	4000
2-Butanone (MEK)	ND		40000	5300	ug/L			04/16/15 15:37	4000
2-Hexanone	ND		20000	5000	ug/L			04/16/15 15:37	4000
4-Methyl-2-pentanone (MIBK)	ND		20000	8400	ug/L			04/16/15 15:37	4000
Acetone	ND		40000	12000	ug/L			04/16/15 15:37	4000
Benzene	ND		4000	1600	ug/L			04/16/15 15:37	4000
Bromodichloromethane	ND		4000	1600	ug/L			04/16/15 15:37	4000
Bromoform	ND		4000	1000	ug/L			04/16/15 15:37	4000
Bromomethane	ND		4000	2800	ug/L			04/16/15 15:37	4000
Carbon disulfide	ND		4000	760	ug/L			04/16/15 15:37	4000
Carbon tetrachloride	ND		4000	1100	ug/L			04/16/15 15:37	4000
Chlorobenzene	ND		4000	3000	ug/L			04/16/15 15:37	4000
Chloroethane	ND		4000	1300	ug/L			04/16/15 15:37	4000
Chloroform	ND		4000	1400	ug/L			04/16/15 15:37	4000
Chloromethane	ND		4000	1400	ug/L			04/16/15 15:37	4000
cis-1,2-Dichloroethene	**220000**		4000	3200	ug/L			04/16/15 15:37	4000
cis-1,3-Dichloropropene	ND		4000	1400	ug/L			04/16/15 15:37	4000
Cyclohexane	ND		4000	720	ug/L			04/16/15 15:37	4000
Dibromochloromethane	ND		4000	1300	ug/L			04/16/15 15:37	4000
Dichlorodifluoromethane	ND		4000	2700	ug/L			04/16/15 15:37	4000
Ethylbenzene	ND		4000	3000	ug/L			04/16/15 15:37	4000
Isopropylbenzene	ND		4000	3200	ug/L			04/16/15 15:37	4000
Methyl acetate	ND		10000	2000	ug/L			04/16/15 15:37	4000
Methyl tert-butyl ether	ND		4000	640	ug/L			04/16/15 15:37	4000
Methylcyclohexane	ND		4000	640	ug/L			04/16/15 15:37	4000
Methylene Chloride	ND		4000	1800	ug/L			04/16/15 15:37	4000
Styrene	ND		4000	2900	ug/L			04/16/15 15:37	4000
Tetrachloroethene	ND		4000	1400	ug/L			04/16/15 15:37	4000
Toluene	ND		4000	2000	ug/L			04/16/15 15:37	4000
trans-1,2-Dichloroethene	ND		4000	3600	ug/L			04/16/15 15:37	4000
trans-1,3-Dichloropropene	ND		4000	1500	ug/L			04/16/15 15:37	4000
Trichloroethene	**26000**		4000	1800	ug/L			04/16/15 15:37	4000
Trichlorofluoromethane	ND		4000	3500	ug/L			04/16/15 15:37	4000
Vinyl chloride	ND		4000	3600	ug/L			04/16/15 15:37	4000
Xylenes, Total	ND		8000	2600	ug/L			04/16/15 15:37	4000

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-16S
Date Collected: 04/07/15 13:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-8
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		04/16/15 15:37	4000
4-Bromofluorobenzene (Surr)	97		73 - 120		04/16/15 15:37	4000
Toluene-d8 (Surr)	97		71 - 126		04/16/15 15:37	4000

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: Duplicate
Date Collected: 04/06/15 17:00
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-9
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		1000	820	ug/L			04/16/15 16:04	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			04/16/15 16:04	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			04/16/15 16:04	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			04/16/15 16:04	1000
1,1-Dichloroethane	ND		1000	380	ug/L			04/16/15 16:04	1000
1,1-Dichloroethene	**370**	**J**	1000	290	ug/L			04/16/15 16:04	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			04/16/15 16:04	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			04/16/15 16:04	1000
1,2-Dibromoethane	ND		1000	730	ug/L			04/16/15 16:04	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			04/16/15 16:04	1000
1,2-Dichloroethane	ND		1000	210	ug/L			04/16/15 16:04	1000
1,2-Dichloropropane	ND		1000	720	ug/L			04/16/15 16:04	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			04/16/15 16:04	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			04/16/15 16:04	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			04/16/15 16:04	1000
2-Hexanone	ND		5000	1200	ug/L			04/16/15 16:04	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			04/16/15 16:04	1000
Acetone	ND		10000	3000	ug/L			04/16/15 16:04	1000
Benzene	ND		1000	410	ug/L			04/16/15 16:04	1000
Bromodichloromethane	ND		1000	390	ug/L			04/16/15 16:04	1000
Bromoform	ND		1000	260	ug/L			04/16/15 16:04	1000
Bromomethane	ND		1000	690	ug/L			04/16/15 16:04	1000
Carbon disulfide	ND		1000	190	ug/L			04/16/15 16:04	1000
Carbon tetrachloride	ND		1000	270	ug/L			04/16/15 16:04	1000
Chlorobenzene	ND		1000	750	ug/L			04/16/15 16:04	1000
Chloroethane	ND		1000	320	ug/L			04/16/15 16:04	1000
Chloroform	ND		1000	340	ug/L			04/16/15 16:04	1000
Chloromethane	ND		1000	350	ug/L			04/16/15 16:04	1000
cis-1,2-Dichloroethene	**53000**		1000	810	ug/L			04/16/15 16:04	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			04/16/15 16:04	1000
Cyclohexane	ND		1000	180	ug/L			04/16/15 16:04	1000
Dibromochloromethane	ND		1000	320	ug/L			04/16/15 16:04	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			04/16/15 16:04	1000
Ethylbenzene	ND		1000	740	ug/L			04/16/15 16:04	1000
Isopropylbenzene	ND		1000	790	ug/L			04/16/15 16:04	1000
Methyl acetate	ND		2500	500	ug/L			04/16/15 16:04	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			04/16/15 16:04	1000
Methylcyclohexane	ND		1000	160	ug/L			04/16/15 16:04	1000
Methylene Chloride	ND		1000	440	ug/L			04/16/15 16:04	1000
Styrene	ND		1000	730	ug/L			04/16/15 16:04	1000
Tetrachloroethene	ND		1000	360	ug/L			04/16/15 16:04	1000
Toluene	ND		1000	510	ug/L			04/16/15 16:04	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			04/16/15 16:04	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			04/16/15 16:04	1000
Trichloroethene	ND		1000	460	ug/L			04/16/15 16:04	1000
Trichlorofluoromethane	ND		1000	880	ug/L			04/16/15 16:04	1000
Vinyl chloride	**8300**		1000	900	ug/L			04/16/15 16:04	1000
Xylenes, Total	ND		2000	660	ug/L			04/16/15 16:04	1000

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: Duplicate
Date Collected: 04/06/15 17:00
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		04/16/15 16:04	1000
4-Bromofluorobenzene (Surr)	98		73 - 120		04/16/15 16:04	1000
Toluene-d8 (Surr)	99		71 - 126		04/16/15 16:04	1000

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: Rinse
Date Collected: 04/07/15 16:00
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/16/15 16:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 16:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 16:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/16/15 16:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 16:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 16:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 16:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 16:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 16:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/16/15 16:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 16:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 16:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 16:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 16:32	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 16:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 16:32	1
Acetone	ND		10	3.0	ug/L			04/16/15 16:32	1
Benzene	ND		1.0	0.41	ug/L			04/16/15 16:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 16:32	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 16:32	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 16:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 16:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 16:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 16:32	1
Chloroethane	ND		1.0	0.32	ug/L			04/16/15 16:32	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 16:32	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 16:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/16/15 16:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 16:32	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 16:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 16:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 16:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 16:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 16:32	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 16:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 16:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 16:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 16:32	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 16:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 16:32	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 16:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 16:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 16:32	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/15 16:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 16:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/16/15 16:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 16:32	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: Rinse
Date Collected: 04/07/15 16:00
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-10
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		04/16/15 16:32	1
4-Bromofluorobenzene (Surr)	99		73 - 120		04/16/15 16:32	1
Toluene-d8 (Surr)	100		71 - 126		04/16/15 16:32	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-8R
Date Collected: 04/06/15 14:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-11
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		2000	1600	ug/L			04/16/15 17:00	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			04/16/15 17:00	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			04/16/15 17:00	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			04/16/15 17:00	2000
1,1-Dichloroethane	ND		2000	760	ug/L			04/16/15 17:00	2000
1,1-Dichloroethene	ND		2000	580	ug/L			04/16/15 17:00	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			04/16/15 17:00	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			04/16/15 17:00	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			04/16/15 17:00	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			04/16/15 17:00	2000
1,2-Dichloroethane	ND		2000	420	ug/L			04/16/15 17:00	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			04/16/15 17:00	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			04/16/15 17:00	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			04/16/15 17:00	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			04/16/15 17:00	2000
2-Hexanone	ND		10000	2500	ug/L			04/16/15 17:00	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			04/16/15 17:00	2000
Acetone	ND		20000	6000	ug/L			04/16/15 17:00	2000
Benzene	ND		2000	820	ug/L			04/16/15 17:00	2000
Bromodichloromethane	ND		2000	780	ug/L			04/16/15 17:00	2000
Bromoform	ND		2000	520	ug/L			04/16/15 17:00	2000
Bromomethane	ND		2000	1400	ug/L			04/16/15 17:00	2000
Carbon disulfide	ND		2000	380	ug/L			04/16/15 17:00	2000
Carbon tetrachloride	ND		2000	540	ug/L			04/16/15 17:00	2000
Chlorobenzene	ND		2000	1500	ug/L			04/16/15 17:00	2000
Chloroethane	ND		2000	640	ug/L			04/16/15 17:00	2000
Chloroform	ND		2000	680	ug/L			04/16/15 17:00	2000
Chloromethane	ND		2000	700	ug/L			04/16/15 17:00	2000
cis-1,2-Dichloroethene	**55000**		2000	1600	ug/L			04/16/15 17:00	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			04/16/15 17:00	2000
Cyclohexane	ND		2000	360	ug/L			04/16/15 17:00	2000
Dibromochloromethane	ND		2000	640	ug/L			04/16/15 17:00	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			04/16/15 17:00	2000
Ethylbenzene	ND		2000	1500	ug/L			04/16/15 17:00	2000
Isopropylbenzene	ND		2000	1600	ug/L			04/16/15 17:00	2000
Methyl acetate	ND		5000	1000	ug/L			04/16/15 17:00	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			04/16/15 17:00	2000
Methylcyclohexane	ND		2000	320	ug/L			04/16/15 17:00	2000
Methylene Chloride	ND		2000	880	ug/L			04/16/15 17:00	2000
Styrene	ND		2000	1500	ug/L			04/16/15 17:00	2000
Tetrachloroethene	ND		2000	720	ug/L			04/16/15 17:00	2000
Toluene	ND		2000	1000	ug/L			04/16/15 17:00	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			04/16/15 17:00	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			04/16/15 17:00	2000
Trichloroethene	ND		2000	920	ug/L			04/16/15 17:00	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			04/16/15 17:00	2000
Vinyl chloride	**8500**		2000	1800	ug/L			04/16/15 17:00	2000
Xylenes, Total	ND		4000	1300	ug/L			04/16/15 17:00	2000

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-8R
Date Collected: 04/06/15 14:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-11
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		04/16/15 17:00	2000
4-Bromofluorobenzene (Surr)	99		73 - 120		04/16/15 17:00	2000
Toluene-d8 (Surr)	99		71 - 126		04/16/15 17:00	2000

Client Sample ID: MW-13S
Date Collected: 04/07/15 15:50
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-12
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		500	410	ug/L			04/16/15 17:27	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			04/16/15 17:27	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			04/16/15 17:27	500
1,1,2-Trichloroethane	ND		500	120	ug/L			04/16/15 17:27	500
1,1-Dichloroethane	ND		500	190	ug/L			04/16/15 17:27	500
1,1-Dichloroethene	**270**	**J**	500	150	ug/L			04/16/15 17:27	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			04/16/15 17:27	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			04/16/15 17:27	500
1,2-Dibromoethane	ND		500	370	ug/L			04/16/15 17:27	500
1,2-Dichlorobenzene	ND		500	400	ug/L			04/16/15 17:27	500
1,2-Dichloroethane	ND		500	110	ug/L			04/16/15 17:27	500
1,2-Dichloropropane	ND		500	360	ug/L			04/16/15 17:27	500
1,3-Dichlorobenzene	ND		500	390	ug/L			04/16/15 17:27	500
1,4-Dichlorobenzene	ND		500	420	ug/L			04/16/15 17:27	500
2-Butanone (MEK)	ND		5000	660	ug/L			04/16/15 17:27	500
2-Hexanone	ND		2500	620	ug/L			04/16/15 17:27	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			04/16/15 17:27	500
Acetone	ND		5000	1500	ug/L			04/16/15 17:27	500
Benzene	ND		500	210	ug/L			04/16/15 17:27	500
Bromodichloromethane	ND		500	200	ug/L			04/16/15 17:27	500
Bromoform	ND		500	130	ug/L			04/16/15 17:27	500
Bromomethane	ND		500	350	ug/L			04/16/15 17:27	500
Carbon disulfide	ND		500	95	ug/L			04/16/15 17:27	500
Carbon tetrachloride	ND		500	140	ug/L			04/16/15 17:27	500
Chlorobenzene	ND		500	380	ug/L			04/16/15 17:27	500
Chloroethane	ND		500	160	ug/L			04/16/15 17:27	500
Chloroform	ND		500	170	ug/L			04/16/15 17:27	500
Chloromethane	ND		500	180	ug/L			04/16/15 17:27	500
cis-1,2-Dichloroethene	**32000**		500	410	ug/L			04/16/15 17:27	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			04/16/15 17:27	500
Cyclohexane	ND		500	90	ug/L			04/16/15 17:27	500
Dibromochloromethane	ND		500	160	ug/L			04/16/15 17:27	500
Dichlorodifluoromethane	ND		500	340	ug/L			04/16/15 17:27	500
Ethylbenzene	ND		500	370	ug/L			04/16/15 17:27	500
Isopropylbenzene	ND		500	400	ug/L			04/16/15 17:27	500
Methyl acetate	ND		1300	250	ug/L			04/16/15 17:27	500
Methyl tert-butyl ether	ND		500	80	ug/L			04/16/15 17:27	500
Methylcyclohexane	ND		500	80	ug/L			04/16/15 17:27	500
Methylene Chloride	ND		500	220	ug/L			04/16/15 17:27	500
Styrene	ND		500	370	ug/L			04/16/15 17:27	500
Tetrachloroethene	ND		500	180	ug/L			04/16/15 17:27	500
Toluene	ND		500	260	ug/L			04/16/15 17:27	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			04/16/15 17:27	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			04/16/15 17:27	500
Trichloroethene	**31000**		500	230	ug/L			04/16/15 17:27	500
Trichlorofluoromethane	ND		500	440	ug/L			04/16/15 17:27	500
Vinyl chloride	ND		500	450	ug/L			04/16/15 17:27	500
Xylenes, Total	ND		1000	330	ug/L			04/16/15 17:27	500

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-13S
Date Collected: 04/07/15 15:50
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-12
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		04/16/15 17:27	500
4-Bromofluorobenzene (Surr)	97		73 - 120		04/16/15 17:27	500
Toluene-d8 (Surr)	98		71 - 126		04/16/15 17:27	500

Client Sample ID: MW-9
Date Collected: 04/07/15 10:45
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-13
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		1.0	0.82	ug/L			04/16/15 17:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 17:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 17:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 17:55	1
1,1-Dichloroethane	**43**		1.0	0.38	ug/L			04/16/15 17:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 17:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 17:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 17:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 17:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 17:55	1
1,2-Dichloroethane	**0.54**	**J**	1.0	0.21	ug/L			04/16/15 17:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 17:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 17:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 17:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 17:55	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 17:55	1
Acetone	ND		10	3.0	ug/L			04/16/15 17:55	1
Benzene	ND		1.0	0.41	ug/L			04/16/15 17:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 17:55	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 17:55	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 17:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 17:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 17:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 17:55	1
Chloroethane	ND		1.0	0.32	ug/L			04/16/15 17:55	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 17:55	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 17:55	1
cis-1,2-Dichloroethene	**4.1**		1.0	0.81	ug/L			04/16/15 17:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 17:55	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 17:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 17:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 17:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 17:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 17:55	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 17:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 17:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 17:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 17:55	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 17:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 17:55	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 17:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 17:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 17:55	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/15 17:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 17:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/16/15 17:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 17:55	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-9
Date Collected: 04/07/15 10:45
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-13
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		04/16/15 17:55	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/16/15 17:55	1
Toluene-d8 (Surr)	98		71 - 126		04/16/15 17:55	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-13D
Date Collected: 04/07/15 15:15
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-14
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	0.82	ug/L			04/16/15 18:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 18:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 18:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 18:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/16/15 18:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 18:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 18:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 18:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 18:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 18:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/16/15 18:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 18:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 18:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 18:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 18:22	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 18:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 18:22	1
Acetone	ND		10	3.0	ug/L			04/16/15 18:22	1
Benzene	ND		1.0	0.41	ug/L			04/16/15 18:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 18:22	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 18:22	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 18:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 18:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 18:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 18:22	1
Chloroethane	ND		1.0	0.32	ug/L			04/16/15 18:22	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 18:22	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 18:22	1
cis-1,2-Dichloroethene	**37**		1.0	0.81	ug/L			04/16/15 18:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 18:22	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 18:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 18:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 18:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 18:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 18:22	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 18:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 18:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 18:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 18:22	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 18:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 18:22	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 18:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 18:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 18:22	1
Trichloroethene	**40**		1.0	0.46	ug/L			04/16/15 18:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 18:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/16/15 18:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 18:22	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-13D
Date Collected: 04/07/15 15:15
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-14
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		04/16/15 18:22	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/16/15 18:22	1
Toluene-d8 (Surr)	98		71 - 126		04/16/15 18:22	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-14S
Date Collected: 04/07/15 11:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-15
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	0.82	ug/L			04/16/15 18:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 18:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 18:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 18:49	1
1,1-Dichloroethane	**6.8**		1.0	0.38	ug/L			04/16/15 18:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 18:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 18:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 18:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 18:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 18:49	1
1,2-Dichloroethane	**1.0**		1.0	0.21	ug/L			04/16/15 18:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 18:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 18:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 18:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 18:49	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 18:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 18:49	1
Acetone	ND		10	3.0	ug/L			04/16/15 18:49	1
Benzene	**0.95**	**J**	1.0	0.41	ug/L			04/16/15 18:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 18:49	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 18:49	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 18:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 18:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 18:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 18:49	1
Chloroethane	**18**		1.0	0.32	ug/L			04/16/15 18:49	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 18:49	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 18:49	1
cis-1,2-Dichloroethene	**16**		1.0	0.81	ug/L			04/16/15 18:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 18:49	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 18:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 18:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 18:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 18:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 18:49	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 18:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 18:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 18:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 18:49	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 18:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 18:49	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 18:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 18:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 18:49	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/15 18:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 18:49	1
Vinyl chloride	**14**		1.0	0.90	ug/L			04/16/15 18:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 18:49	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-14S
Date Collected: 04/07/15 11:25
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-15
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		04/16/15 18:49	1
4-Bromofluorobenzene (Surr)	96		73 - 120		04/16/15 18:49	1
Toluene-d8 (Surr)	97		71 - 126		04/16/15 18:49	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-14D
Date Collected: 04/07/15 12:00
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-16
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	0.82	ug/L			04/16/15 19:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/15 19:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/15 19:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/15 19:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/16/15 19:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/15 19:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/15 19:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/15 19:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/15 19:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/15 19:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/16/15 19:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/15 19:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/15 19:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/15 19:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/15 19:17	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/15 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/15 19:17	1
Acetone	ND		10	3.0	ug/L			04/16/15 19:17	1
Benzene	ND		1.0	0.41	ug/L			04/16/15 19:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/15 19:17	1
Bromoform	ND		1.0	0.26	ug/L			04/16/15 19:17	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/15 19:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/15 19:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/15 19:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/15 19:17	1
Chloroethane	ND		1.0	0.32	ug/L			04/16/15 19:17	1
Chloroform	ND		1.0	0.34	ug/L			04/16/15 19:17	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/15 19:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/16/15 19:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/15 19:17	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/15 19:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/15 19:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/15 19:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/15 19:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/15 19:17	1
Methyl acetate	ND		2.5	0.50	ug/L			04/16/15 19:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/15 19:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/15 19:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/15 19:17	1
Styrene	ND		1.0	0.73	ug/L			04/16/15 19:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/15 19:17	1
Toluene	ND		1.0	0.51	ug/L			04/16/15 19:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/15 19:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/15 19:17	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/15 19:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/15 19:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/16/15 19:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/15 19:17	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-14D
Date Collected: 04/07/15 12:00
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-16
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		04/16/15 19:17	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/16/15 19:17	1
Toluene-d8 (Surr)	98		71 - 126		04/16/15 19:17	1

Client Sample ID: MW-15S
Date Collected: 04/06/15 15:35
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-17
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		20	16	ug/L			04/16/15 19:44	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/16/15 19:44	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/16/15 19:44	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/16/15 19:44	20
1,1-Dichloroethane	**450**		20	7.6	ug/L			04/16/15 19:44	20
1,1-Dichloroethene	**11**	**J**	20	5.8	ug/L			04/16/15 19:44	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/16/15 19:44	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/16/15 19:44	20
1,2-Dibromoethane	ND		20	15	ug/L			04/16/15 19:44	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/16/15 19:44	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/16/15 19:44	20
1,2-Dichloropropane	ND		20	14	ug/L			04/16/15 19:44	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/16/15 19:44	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/16/15 19:44	20
2-Butanone (MEK)	**190**	**J**	200	26	ug/L			04/16/15 19:44	20
2-Hexanone	ND		100	25	ug/L			04/16/15 19:44	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/16/15 19:44	20
Acetone	**900**		200	60	ug/L			04/16/15 19:44	20
Benzene	ND		20	8.2	ug/L			04/16/15 19:44	20
Bromodichloromethane	ND		20	7.8	ug/L			04/16/15 19:44	20
Bromoform	ND		20	5.2	ug/L			04/16/15 19:44	20
Bromomethane	ND	F2	20	14	ug/L			04/16/15 19:44	20
Carbon disulfide	ND		20	3.8	ug/L			04/16/15 19:44	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/16/15 19:44	20
Chlorobenzene	ND		20	15	ug/L			04/16/15 19:44	20
Chloroethane	**220**		20	6.4	ug/L			04/16/15 19:44	20
Chloroform	ND		20	6.8	ug/L			04/16/15 19:44	20
Chloromethane	ND		20	7.0	ug/L			04/16/15 19:44	20
cis-1,2-Dichloroethene	**600**	**F1**	20	16	ug/L			04/16/15 19:44	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/16/15 19:44	20
Cyclohexane	ND		20	3.6	ug/L			04/16/15 19:44	20
Dibromochloromethane	ND		20	6.4	ug/L			04/16/15 19:44	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/16/15 19:44	20
Ethylbenzene	ND		20	15	ug/L			04/16/15 19:44	20
Isopropylbenzene	ND		20	16	ug/L			04/16/15 19:44	20
Methyl acetate	ND		50	10	ug/L			04/16/15 19:44	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/16/15 19:44	20
Methylcyclohexane	ND		20	3.2	ug/L			04/16/15 19:44	20
Methylene Chloride	ND		20	8.8	ug/L			04/16/15 19:44	20
Styrene	ND		20	15	ug/L			04/16/15 19:44	20
Tetrachloroethene	ND		20	7.2	ug/L			04/16/15 19:44	20
Toluene	**88**		20	10	ug/L			04/16/15 19:44	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/16/15 19:44	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/16/15 19:44	20
Trichloroethene	**85**		20	9.2	ug/L			04/16/15 19:44	20
Trichlorofluoromethane	ND		20	18	ug/L			04/16/15 19:44	20
Vinyl chloride	**210**		20	18	ug/L			04/16/15 19:44	20
Xylenes, Total	**14**	**J**	40	13	ug/L			04/16/15 19:44	20

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-15S
Date Collected: 04/06/15 15:35
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-17
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		04/16/15 19:44	20
4-Bromofluorobenzene (Surr)	100		73 - 120		04/16/15 19:44	20
Toluene-d8 (Surr)	99		71 - 126		04/16/15 19:44	20

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-15D
Date Collected: 04/06/15 16:35
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-18
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		20	16	ug/L			04/17/15 03:37	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/17/15 03:37	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/17/15 03:37	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/17/15 03:37	20
1,1-Dichloroethane	ND		20	7.6	ug/L			04/17/15 03:37	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/17/15 03:37	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/17/15 03:37	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/17/15 03:37	20
1,2-Dibromoethane	ND		20	15	ug/L			04/17/15 03:37	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/17/15 03:37	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/17/15 03:37	20
1,2-Dichloropropane	ND		20	14	ug/L			04/17/15 03:37	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/17/15 03:37	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/17/15 03:37	20
2-Butanone (MEK)	ND		200	26	ug/L			04/17/15 03:37	20
2-Hexanone	ND		100	25	ug/L			04/17/15 03:37	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/17/15 03:37	20
Acetone	ND		200	60	ug/L			04/17/15 03:37	20
Benzene	ND		20	8.2	ug/L			04/17/15 03:37	20
Bromodichloromethane	ND		20	7.8	ug/L			04/17/15 03:37	20
Bromoform	ND		20	5.2	ug/L			04/17/15 03:37	20
Bromomethane	ND		20	14	ug/L			04/17/15 03:37	20
Carbon disulfide	ND		20	3.8	ug/L			04/17/15 03:37	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/17/15 03:37	20
Chlorobenzene	ND		20	15	ug/L			04/17/15 03:37	20
Chloroethane	**560**		20	6.4	ug/L			04/17/15 03:37	20
Chloroform	ND		20	6.8	ug/L			04/17/15 03:37	20
Chloromethane	ND		20	7.0	ug/L			04/17/15 03:37	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			04/17/15 03:37	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/17/15 03:37	20
Cyclohexane	ND		20	3.6	ug/L			04/17/15 03:37	20
Dibromochloromethane	ND		20	6.4	ug/L			04/17/15 03:37	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/17/15 03:37	20
Ethylbenzene	ND		20	15	ug/L			04/17/15 03:37	20
Isopropylbenzene	ND		20	16	ug/L			04/17/15 03:37	20
Methyl acetate	ND		50	10	ug/L			04/17/15 03:37	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/17/15 03:37	20
Methylcyclohexane	ND		20	3.2	ug/L			04/17/15 03:37	20
Methylene Chloride	ND		20	8.8	ug/L			04/17/15 03:37	20
Styrene	ND		20	15	ug/L			04/17/15 03:37	20
Tetrachloroethene	ND		20	7.2	ug/L			04/17/15 03:37	20
Toluene	ND		20	10	ug/L			04/17/15 03:37	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/17/15 03:37	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/17/15 03:37	20
Trichloroethene	ND		20	9.2	ug/L			04/17/15 03:37	20
Trichlorofluoromethane	ND		20	18	ug/L			04/17/15 03:37	20
Vinyl chloride	ND		20	18	ug/L			04/17/15 03:37	20
Xylenes, Total	ND		40	13	ug/L			04/17/15 03:37	20

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-15D
Date Collected: 04/06/15 16:35
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-18
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		04/17/15 03:37	20
4-Bromofluorobenzene (Surr)	96		73 - 120		04/17/15 03:37	20
Toluene-d8 (Surr)	97		71 - 126		04/17/15 03:37	20

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-16D
Date Collected: 04/07/15 12:50
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-19
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		25	21	ug/L			04/17/15 04:04	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			04/17/15 04:04	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			04/17/15 04:04	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			04/17/15 04:04	25
1,1-Dichloroethane	**94**		25	9.5	ug/L			04/17/15 04:04	25
1,1-Dichloroethene	ND		25	7.3	ug/L			04/17/15 04:04	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			04/17/15 04:04	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			04/17/15 04:04	25
1,2-Dibromoethane	ND		25	18	ug/L			04/17/15 04:04	25
1,2-Dichlorobenzene	ND		25	20	ug/L			04/17/15 04:04	25
1,2-Dichloroethane	ND		25	5.3	ug/L			04/17/15 04:04	25
1,2-Dichloropropane	ND		25	18	ug/L			04/17/15 04:04	25
1,3-Dichlorobenzene	ND		25	20	ug/L			04/17/15 04:04	25
1,4-Dichlorobenzene	ND		25	21	ug/L			04/17/15 04:04	25
2-Butanone (MEK)	**85**	**J**	250	33	ug/L			04/17/15 04:04	25
2-Hexanone	ND		130	31	ug/L			04/17/15 04:04	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			04/17/15 04:04	25
Acetone	ND		250	75	ug/L			04/17/15 04:04	25
Benzene	ND		25	10	ug/L			04/17/15 04:04	25
Bromodichloromethane	ND		25	9.8	ug/L			04/17/15 04:04	25
Bromoform	ND		25	6.5	ug/L			04/17/15 04:04	25
Bromomethane	ND		25	17	ug/L			04/17/15 04:04	25
Carbon disulfide	ND		25	4.8	ug/L			04/17/15 04:04	25
Carbon tetrachloride	ND		25	6.8	ug/L			04/17/15 04:04	25
Chlorobenzene	ND		25	19	ug/L			04/17/15 04:04	25
Chloroethane	**170**		25	8.0	ug/L			04/17/15 04:04	25
Chloroform	ND		25	8.5	ug/L			04/17/15 04:04	25
Chloromethane	ND		25	8.8	ug/L			04/17/15 04:04	25
cis-1,2-Dichloroethene	**650**		25	20	ug/L			04/17/15 04:04	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			04/17/15 04:04	25
Cyclohexane	ND		25	4.5	ug/L			04/17/15 04:04	25
Dibromochloromethane	ND		25	8.0	ug/L			04/17/15 04:04	25
Dichlorodifluoromethane	ND		25	17	ug/L			04/17/15 04:04	25
Ethylbenzene	ND		25	19	ug/L			04/17/15 04:04	25
Isopropylbenzene	ND		25	20	ug/L			04/17/15 04:04	25
Methyl acetate	ND		63	13	ug/L			04/17/15 04:04	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			04/17/15 04:04	25
Methylcyclohexane	ND		25	4.0	ug/L			04/17/15 04:04	25
Methylene Chloride	ND		25	11	ug/L			04/17/15 04:04	25
Styrene	ND		25	18	ug/L			04/17/15 04:04	25
Tetrachloroethene	ND		25	9.0	ug/L			04/17/15 04:04	25
Toluene	ND		25	13	ug/L			04/17/15 04:04	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			04/17/15 04:04	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			04/17/15 04:04	25
Trichloroethene	ND		25	12	ug/L			04/17/15 04:04	25
Trichlorofluoromethane	ND		25	22	ug/L			04/17/15 04:04	25
Vinyl chloride	**380**		25	23	ug/L			04/17/15 04:04	25
Xylenes, Total	ND		50	17	ug/L			04/17/15 04:04	25

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-16D
Date Collected: 04/07/15 12:50
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-19
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		04/17/15 04:04	25
4-Bromofluorobenzene (Surr)	98		73 - 120		04/17/15 04:04	25
Toluene-d8 (Surr)	98		71 - 126		04/17/15 04:04	25

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: Trip Blank
Date Collected: 04/06/15 00:00
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-20
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		1.0	0.82	ug/L			04/17/15 04:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/17/15 04:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/17/15 04:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/17/15 04:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/17/15 04:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/17/15 04:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/17/15 04:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/17/15 04:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/17/15 04:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/17/15 04:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/17/15 04:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/17/15 04:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/17/15 04:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/17/15 04:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/17/15 04:32	1
2-Hexanone	ND		5.0	1.2	ug/L			04/17/15 04:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/17/15 04:32	1
Acetone	ND		10	3.0	ug/L			04/17/15 04:32	1
Benzene	ND		1.0	0.41	ug/L			04/17/15 04:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/17/15 04:32	1
Bromoform	ND		1.0	0.26	ug/L			04/17/15 04:32	1
Bromomethane	ND		1.0	0.69	ug/L			04/17/15 04:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/17/15 04:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/17/15 04:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/17/15 04:32	1
Chloroethane	ND		1.0	0.32	ug/L			04/17/15 04:32	1
Chloroform	ND		1.0	0.34	ug/L			04/17/15 04:32	1
Chloromethane	ND		1.0	0.35	ug/L			04/17/15 04:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/17/15 04:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/17/15 04:32	1
Cyclohexane	ND		1.0	0.18	ug/L			04/17/15 04:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/17/15 04:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/17/15 04:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/17/15 04:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/17/15 04:32	1
Methyl acetate	ND		2.5	0.50	ug/L			04/17/15 04:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/17/15 04:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/17/15 04:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/17/15 04:32	1
Styrene	ND		1.0	0.73	ug/L			04/17/15 04:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/17/15 04:32	1
Toluene	ND		1.0	0.51	ug/L			04/17/15 04:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/17/15 04:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/17/15 04:32	1
Trichloroethene	ND		1.0	0.46	ug/L			04/17/15 04:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/17/15 04:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/17/15 04:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/17/15 04:32	1

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: Trip Blank
Date Collected: 04/06/15 00:00
Date Received: 04/07/15 17:15

Lab Sample ID: 480-77898-20
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		04/17/15 04:32	1
4-Bromofluorobenzene (Surr)	98		73 - 120		04/17/15 04:32	1
Toluene-d8 (Surr)	98		71 - 126		04/17/15 04:32	1

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-2
Lab Sample ID: 480-77898-1
Date Collected: 04/07/15 09:25
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	236475	04/16/15 12:24	EDB	TAL BUF

Client Sample ID: MW-3
Lab Sample ID: 480-77898-2
Date Collected: 04/07/15 10:05
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 12:52	EDB	TAL BUF

Client Sample ID: MW-4
Lab Sample ID: 480-77898-3
Date Collected: 04/07/15 14:25
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	236722	04/17/15 02:42	JWG	TAL BUF

Client Sample ID: MW-6
Lab Sample ID: 480-77898-4
Date Collected: 04/06/15 12:55
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 13:47	EDB	TAL BUF

Client Sample ID: MW-10
Lab Sample ID: 480-77898-5
Date Collected: 04/06/15 13:50
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 14:14	EDB	TAL BUF

Client Sample ID: MW-11
Lab Sample ID: 480-77898-6
Date Collected: 04/06/15 11:20
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	236722	04/17/15 03:09	JWG	TAL BUF

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-12
Lab Sample ID: 480-77898-7
Date Collected: 04/06/15 12:15
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 15:09	EDB	TAL BUF

Client Sample ID: MW-16S
Lab Sample ID: 480-77898-8
Date Collected: 04/07/15 13:25
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4000	236475	04/16/15 15:37	EDB	TAL BUF

Client Sample ID: Duplicate
Lab Sample ID: 480-77898-9
Date Collected: 04/06/15 17:00
Matrix: Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1000	236475	04/16/15 16:04	EDB	TAL BUF

Client Sample ID: Rinse
Lab Sample ID: 480-77898-10
Date Collected: 04/07/15 16:00
Matrix: Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 16:32	EDB	TAL BUF

Client Sample ID: MW-8R
Lab Sample ID: 480-77898-11
Date Collected: 04/06/15 14:25
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2000	236475	04/16/15 17:00	EDB	TAL BUF

Client Sample ID: MW-13S
Lab Sample ID: 480-77898-12
Date Collected: 04/07/15 15:50
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	236475	04/16/15 17:27	EDB	TAL BUF

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-9
Lab Sample ID: 480-77898-13
Date Collected: 04/07/15 10:45
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 17:55	EDB	TAL BUF

Client Sample ID: MW-13D
Lab Sample ID: 480-77898-14
Date Collected: 04/07/15 15:15
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 18:22	EDB	TAL BUF

Client Sample ID: MW-14S
Lab Sample ID: 480-77898-15
Date Collected: 04/07/15 11:25
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 18:49	EDB	TAL BUF

Client Sample ID: MW-14D
Lab Sample ID: 480-77898-16
Date Collected: 04/07/15 12:00
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236475	04/16/15 19:17	EDB	TAL BUF

Client Sample ID: MW-15S
Lab Sample ID: 480-77898-17
Date Collected: 04/06/15 15:35
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	236475	04/16/15 19:44	EDB	TAL BUF

Client Sample ID: MW-15D
Lab Sample ID: 480-77898-18
Date Collected: 04/06/15 16:35
Matrix: Ground Water
Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	236722	04/17/15 03:37	JWG	TAL BUF

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Client Sample ID: MW-16D

Lab Sample ID: 480-77898-19

Date Collected: 04/07/15 12:50

Matrix: Ground Water

Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	236722	04/17/15 04:04	JWG	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-77898-20

Date Collected: 04/06/15 00:00

Matrix: Water

Date Received: 04/07/15 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	236722	04/17/15 04:32	JWG	TAL BUF

Laboratory References:

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

Certification Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-77898-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-77898-1	MW-2	Ground Water	04/07/15 09:25	04/07/15 17:15
480-77898-2	MW-3	Ground Water	04/07/15 10:05	04/07/15 17:15
480-77898-3	MW-4	Ground Water	04/07/15 14:25	04/07/15 17:15
480-77898-4	MW-6	Ground Water	04/06/15 12:55	04/07/15 17:15
480-77898-5	MW-10	Ground Water	04/06/15 13:50	04/07/15 17:15
480-77898-6	MW-11	Ground Water	04/06/15 11:20	04/07/15 17:15
480-77898-7	MW-12	Ground Water	04/06/15 12:15	04/07/15 17:15
480-77898-8	MW-16S	Ground Water	04/07/15 13:25	04/07/15 17:15
480-77898-9	Duplicate	Water	04/06/15 17:00	04/07/15 17:15
480-77898-10	Rinse	Water	04/07/15 16:00	04/07/15 17:15
480-77898-11	MW-8R	Ground Water	04/06/15 14:25	04/07/15 17:15
480-77898-12	MW-13S	Ground Water	04/07/15 15:50	04/07/15 17:15
480-77898-13	MW-9	Ground Water	04/07/15 10:45	04/07/15 17:15
480-77898-14	MW-13D	Ground Water	04/07/15 15:15	04/07/15 17:15
480-77898-15	MW-14S	Ground Water	04/07/15 11:25	04/07/15 17:15
480-77898-16	MW-14D	Ground Water	04/07/15 12:00	04/07/15 17:15
480-77898-17	MW-15S	Ground Water	04/06/15 15:35	04/07/15 17:15
480-77898-18	MW-15D	Ground Water	04/06/15 16:35	04/07/15 17:15
480-77898-19	MW-16D	Ground Water	04/07/15 12:50	04/07/15 17:15
480-77898-20	Trip Blank	Water	04/06/15 00:00	04/07/15 17:15

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-77898-1

Login Number: 77898

List Source: TestAmerica Buffalo

List Number: 1

Creator: Hulbert, Michael J

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.	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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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

Chain of Custody Record

480-77898 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Emily Laity	Lab PM: Fischer, Brian J	COC No: 480-64698-3450.1
Client Contact: Mr. Dino Zack	Phone: 716-836-4506	E-Mail: brian.fischer@testamericainc.com	Page: Page 1 of 2
Company: AECOM, Inc.		Analysis Requested	Job #:
Address: 100 Corporate Parkway Suite 341	Due Date Requested:		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Amherst	TAT Requested (days): Standard		
State, Zip: NY, 14226			
Phone:	PO #: Purchase Order not requir		Other:
Email: dino.zack@aecom.com	WO #:		
Project Name: Scott Aviation site	Project #: 48002539		
Site: New York	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-2	4-7-15	9:25	G	Water			3		
MW-3	4-7-15	10:05	G	Water			3		
MW-4	4-7-15	14:25	G	Water			3		
MW-6	4-6-15	12:55	G	Water			3		
MW-10	4-6-15	13:50	G	Water			3		
MW-11	4-6-15	11:20	G	Water			3		
MW-12	4-6-15	12:15	G	Water			3		
MW-16S	4-7-15	13:25	G	Water			3		
Duplicate	4-6-15	1700	G	Water			3		
Rinse	4-7-15	1600	G	Water			3		
MW-8R	4-6-15	14:25	G	Water			3		

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Emily Laity	4-7-15 17:15	AECOM	[illegible]	04/07/15 1715	TA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.6°C #1

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Emily Laity	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-64698-3450.2
Client Contact: Mr. Dino Zack	Phone: 716-836-4506	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2
Company: AECOM, Inc.				Job #:

Address: 100 Corporate Parkway Suite 341	Due Date Requested:	Analysis Requested
City: Amherst	TAT Requested (days): Standard	
State, Zip: NY, 14226	PO #: Purchase Order not requir	
Phone:	WO #:	
Email: dino.zack@aecom.com	Project #: 48002539	
Project Name: Scott Aviation site	SSOW#:	
Site: New York		

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 - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-13S	4-7-15	15:50	G	Water			3		
MW-9	4-7-15	10:45	G	Water			3		
MW-13D	4-7-15	15:15	G	Water			3		
MW-14S	4-7-15	11:25	G	Water			3		
~~MW-13D~~ MW-14D	4-7-15	12:00	G	Water			3		
MW-15S	4-6-15	15:35	G	Water			3		
MW-15D	4-6-15	16:35	G	Water			3		
MW-16D	4-7-15	12:50	G	Water			3		
TRIP BLANK	4-6-15	—	G	TRIP			2		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Emily Laity	4-7-15 17:15	AECOM	[illegible]	04/07/15 17	STA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.6°C #1

Appendix E

Current and Historical Summary of VOCs in Groundwater

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

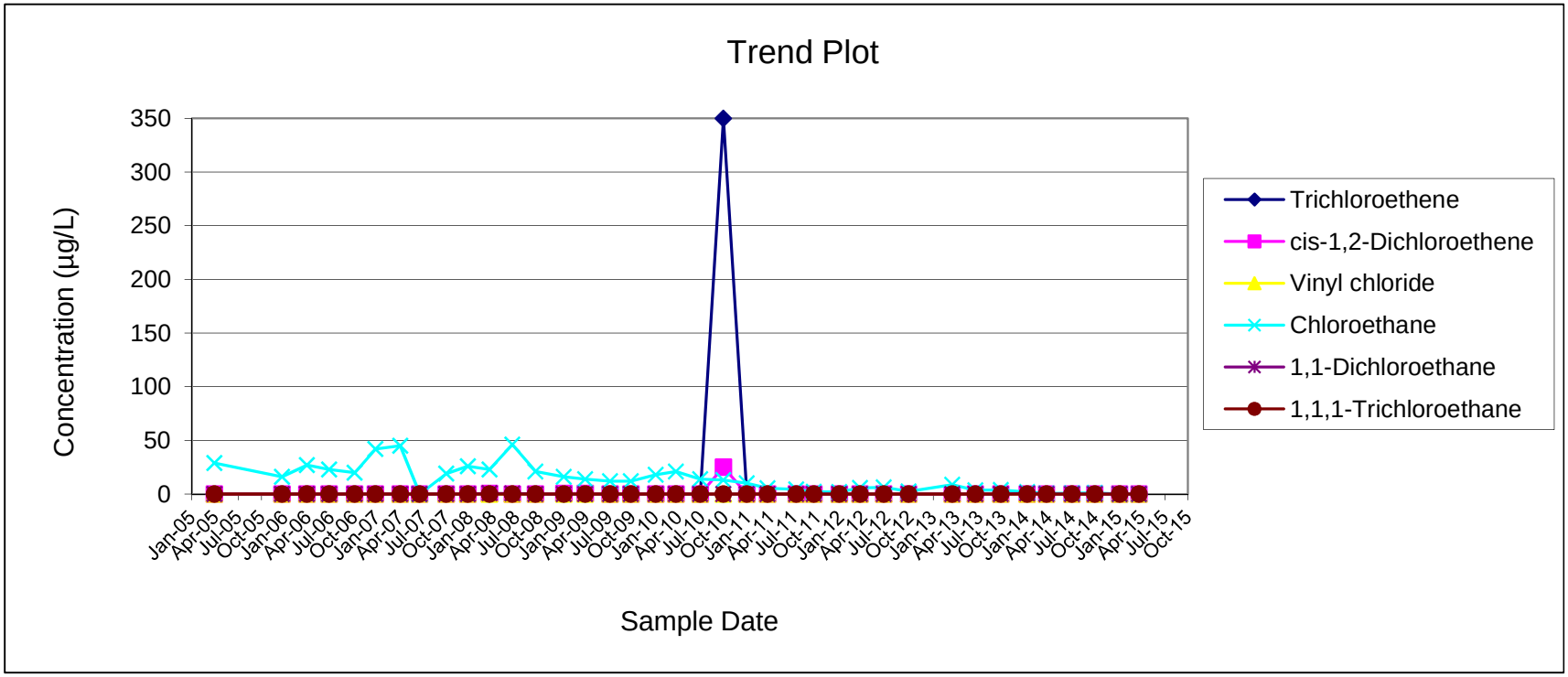
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	1	< 5
7/1/2008	< 5	< 5	< 5	46	0.65	< 5
10/1/2008	< 5	< 5	< 5	21	<5	< 5
1/20/2009	< 5	0	< 5	16	<5	< 5
4/15/2009	< 5	0	< 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	350	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

MONITORING WELL MW-2

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

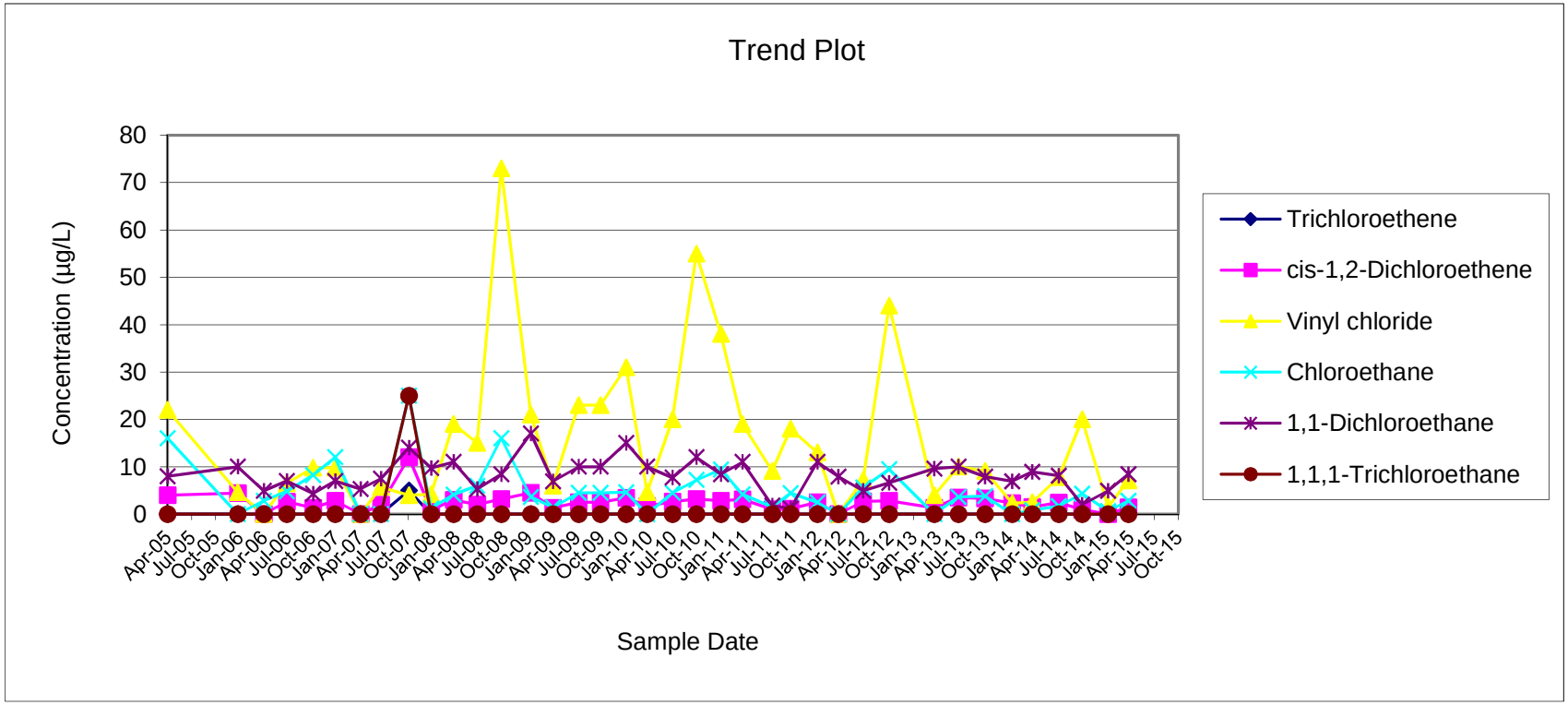
Lancaster, New York



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

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

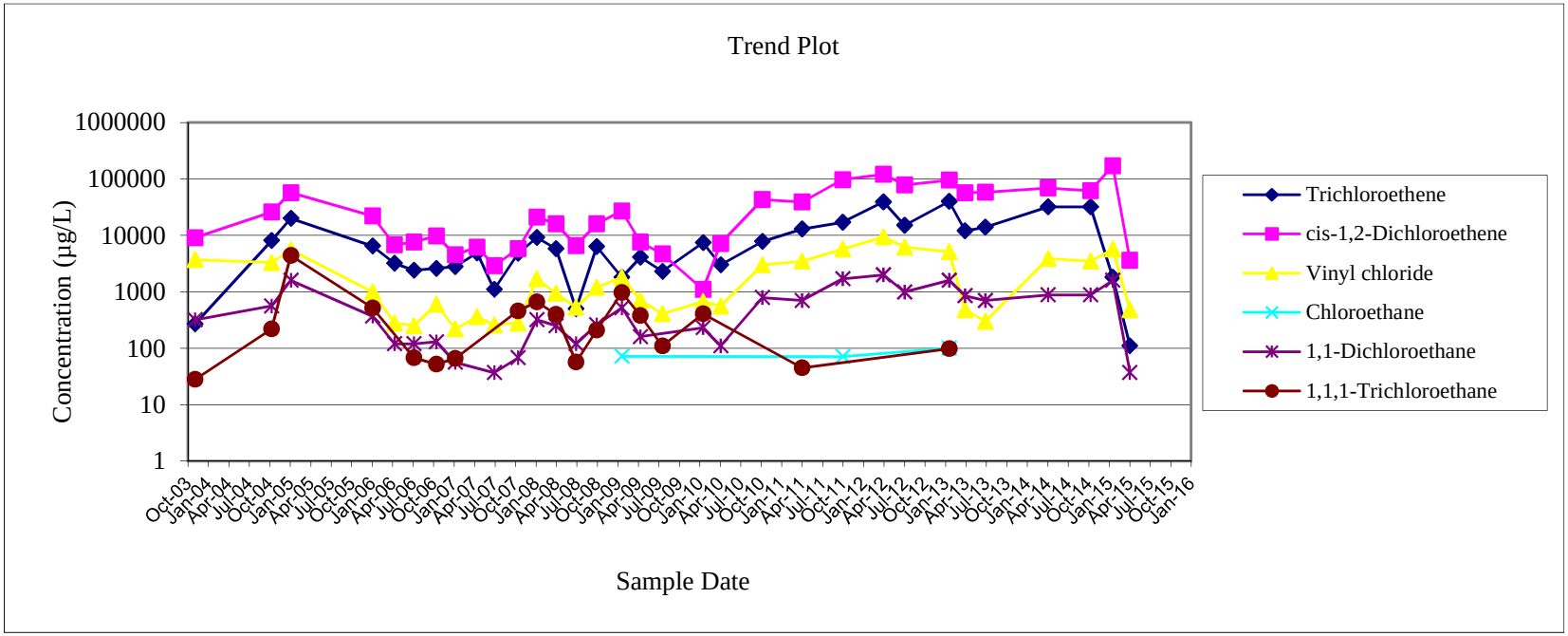
MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

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

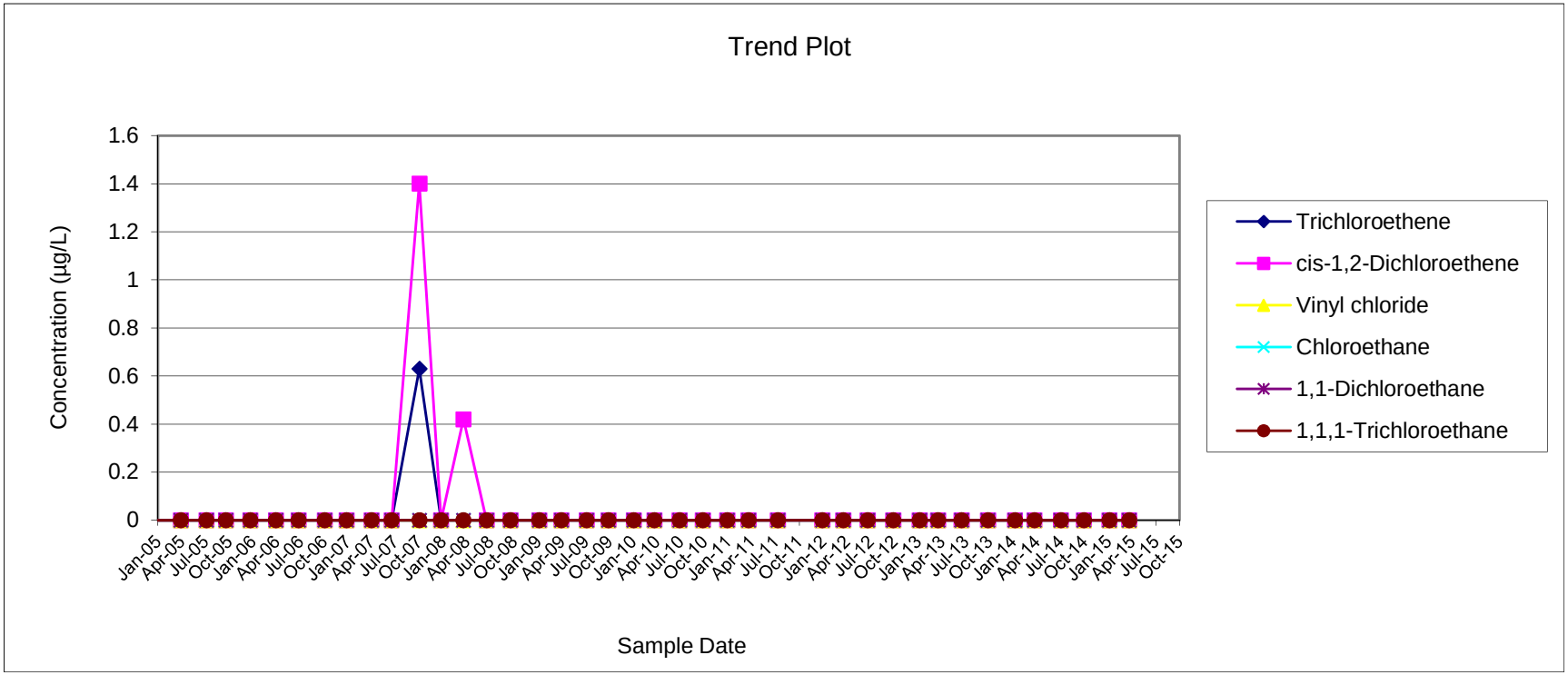


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

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

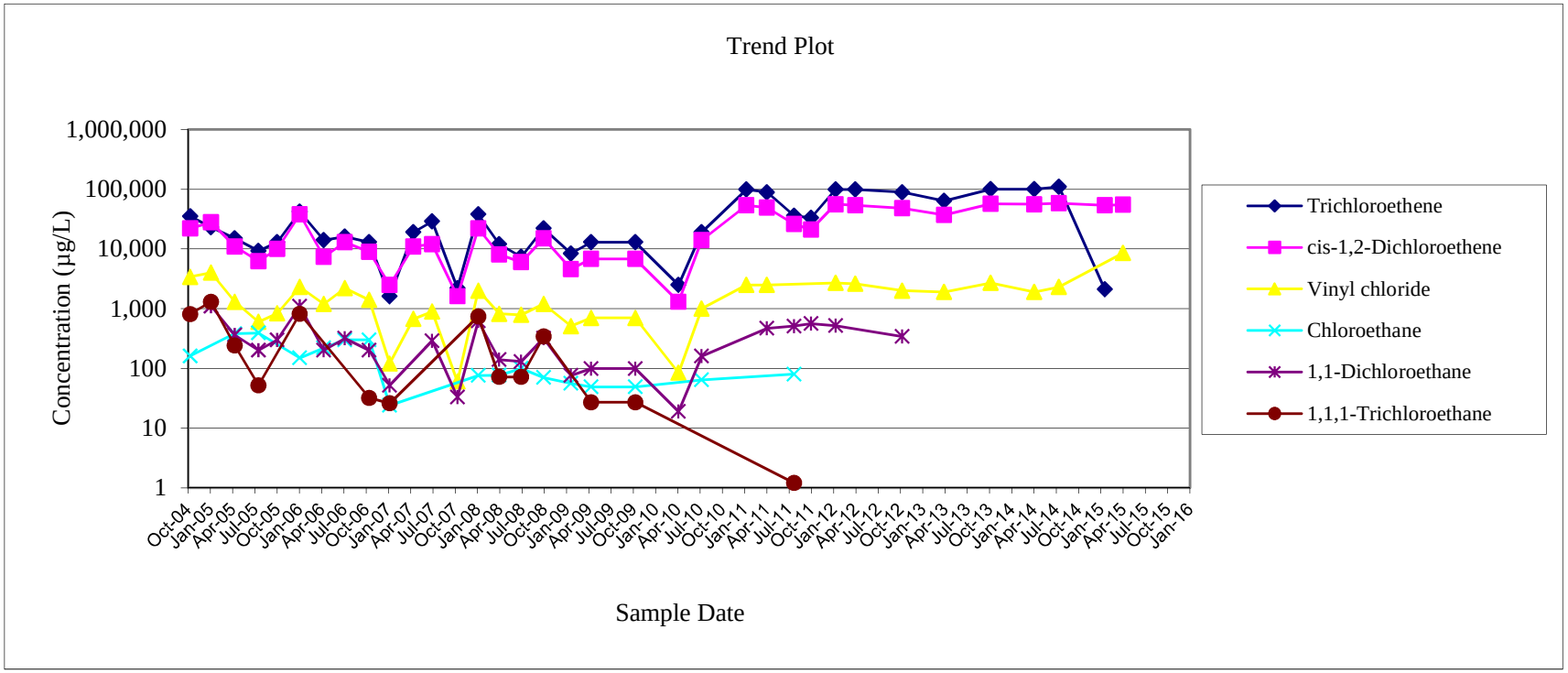
MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

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

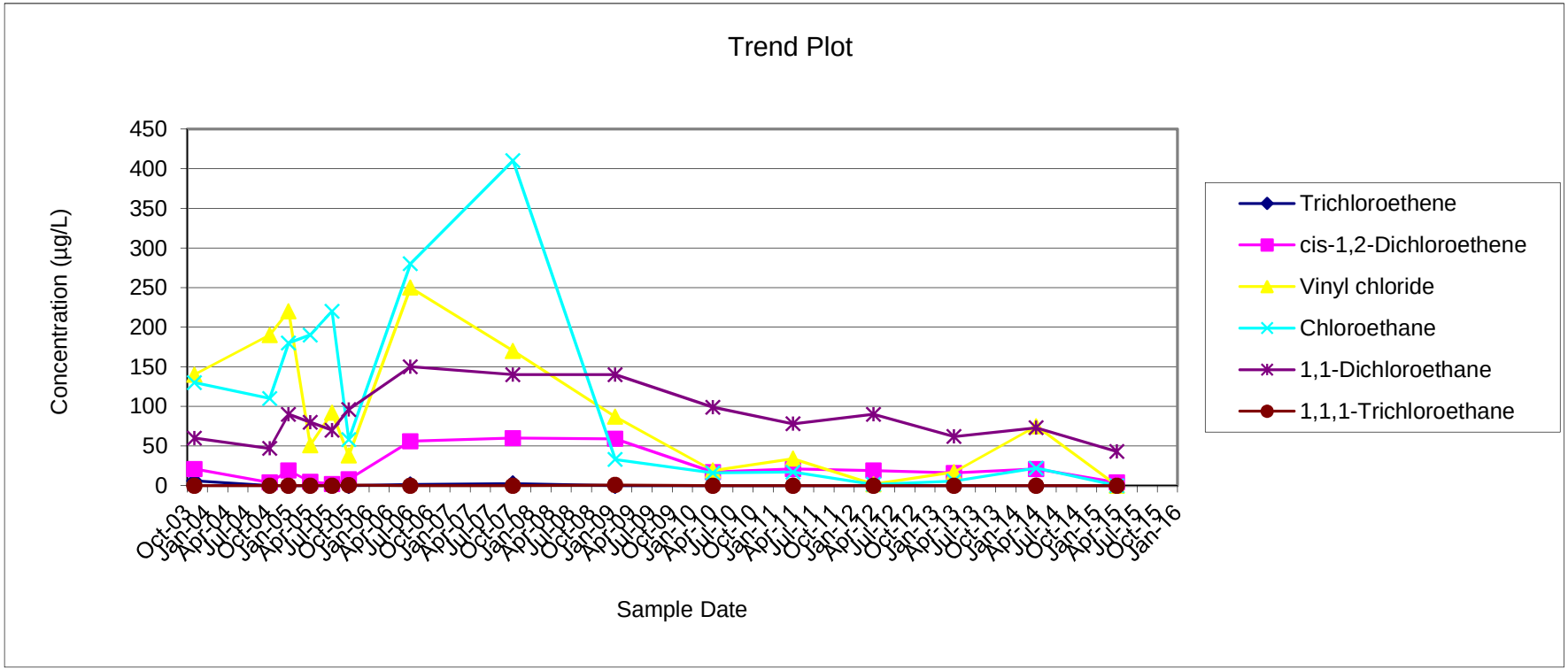


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

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



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

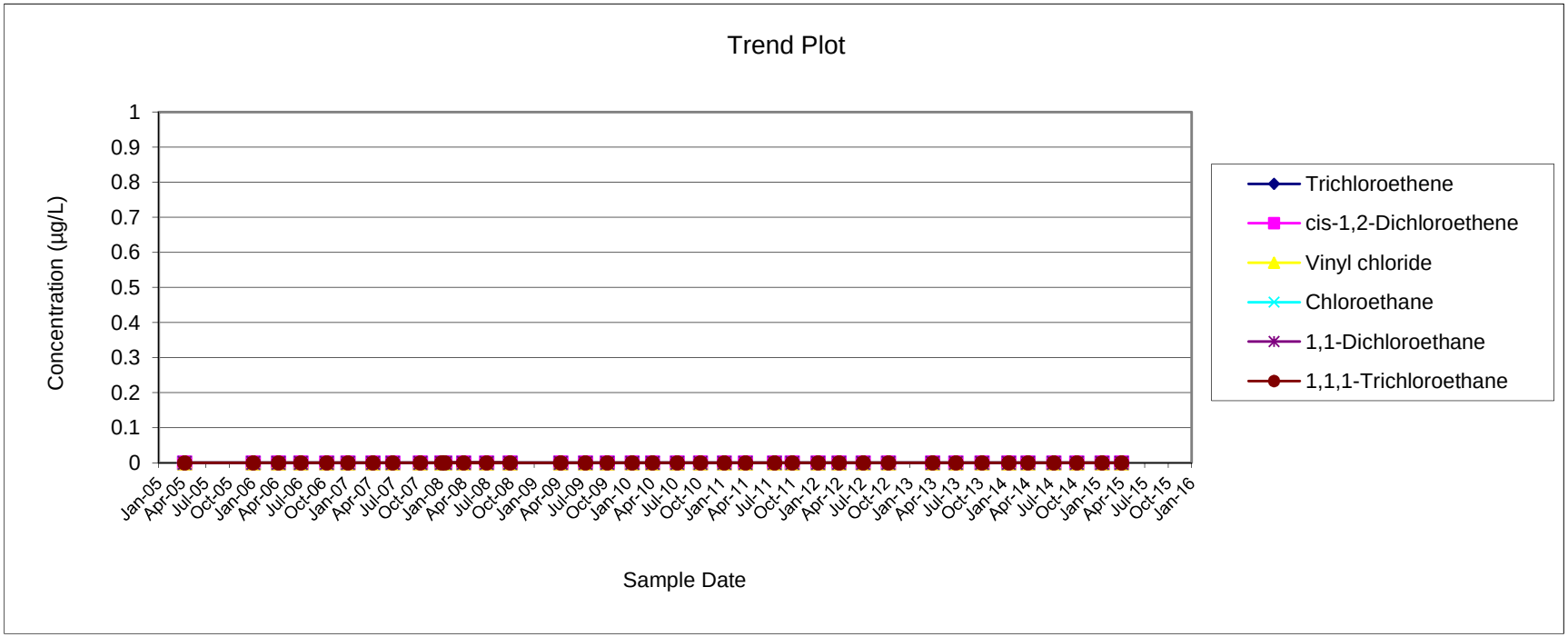
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	< 10	< 10	<10
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 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

MONITORING WELL MW-10

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

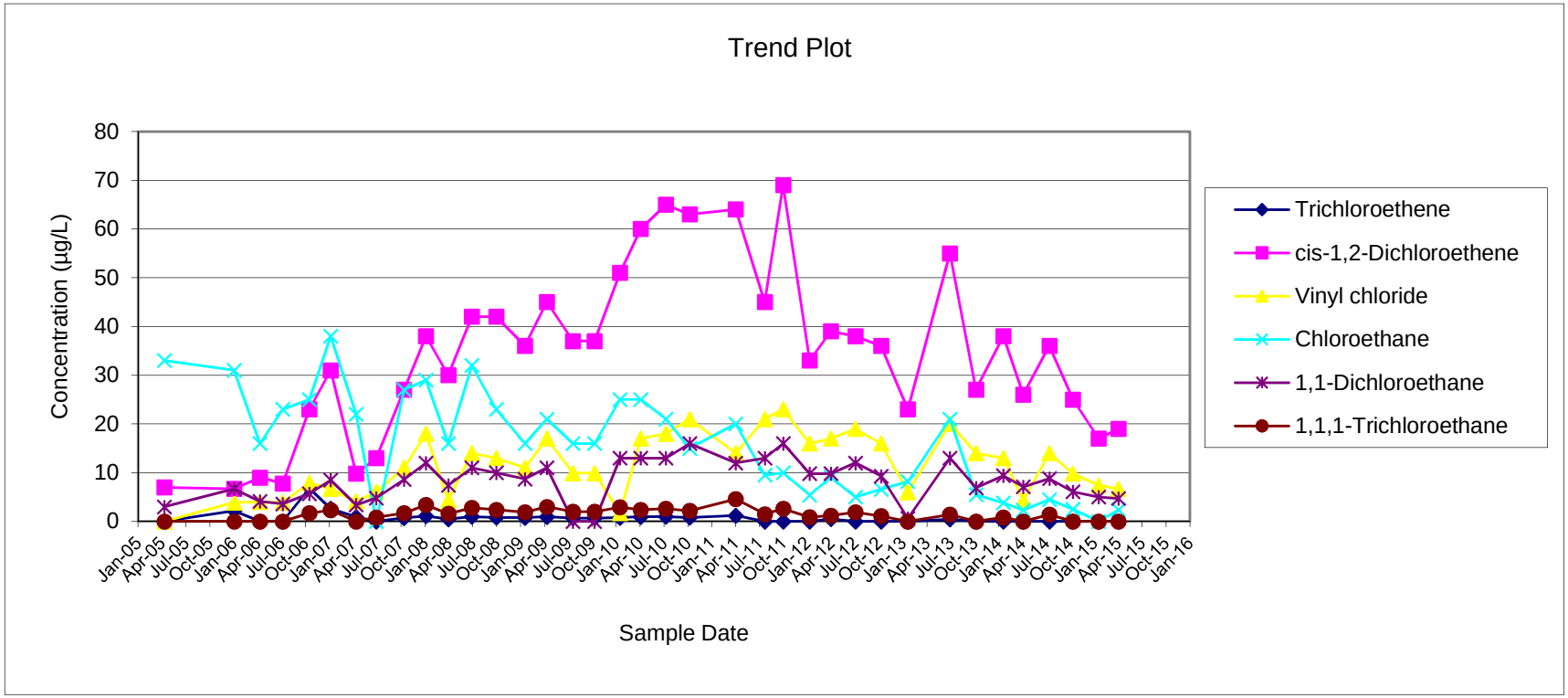
Lancaster, New York



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

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

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



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

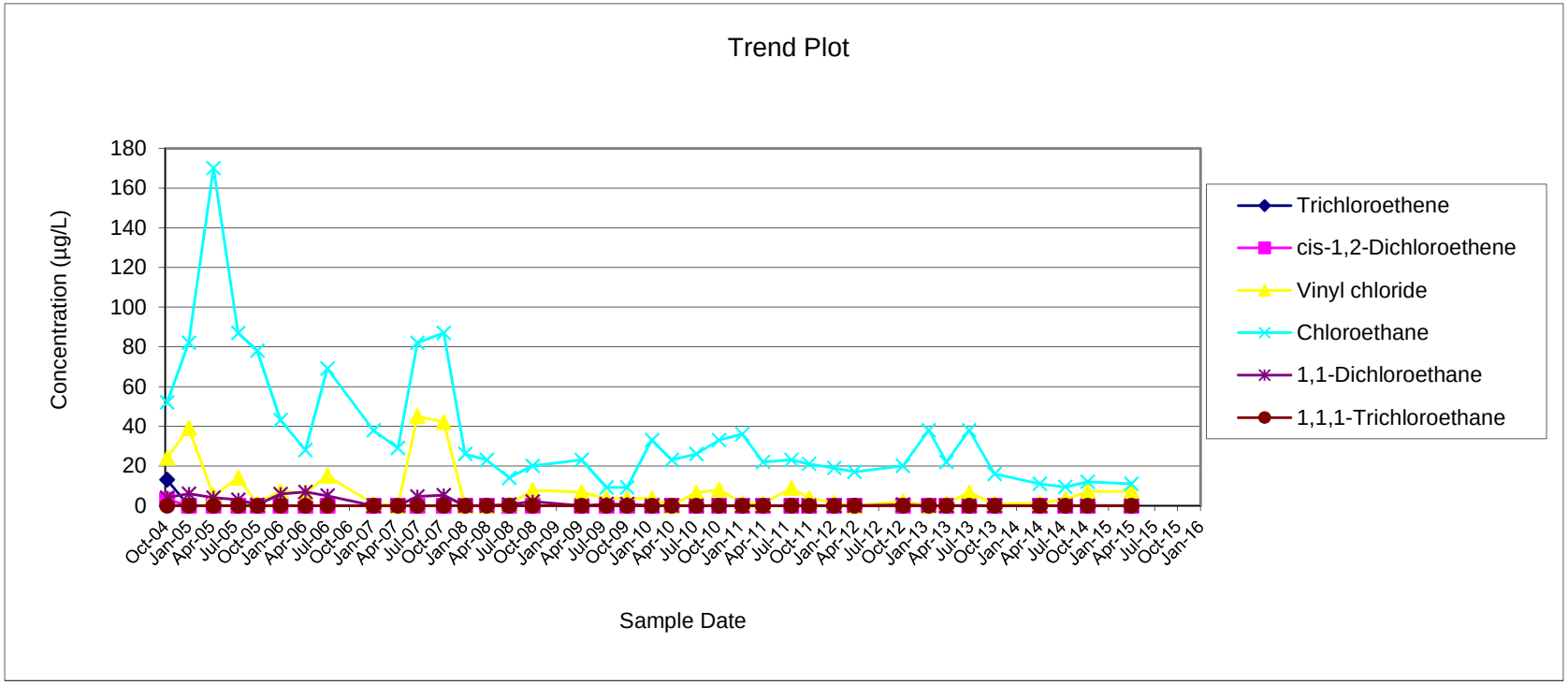
	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/12/2004	13	3	24	52	4	< 10
1/6/2005	< 10	< 10	39	82	6	< 10
4/14/2005	< 10	< 10	5	170	4	< 10
7/21/2005	< 5	< 5	14	87	3	<
10/5/2005	< 5	< 5	1.2	78	0.43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

MONITORING WELL MW-12

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



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

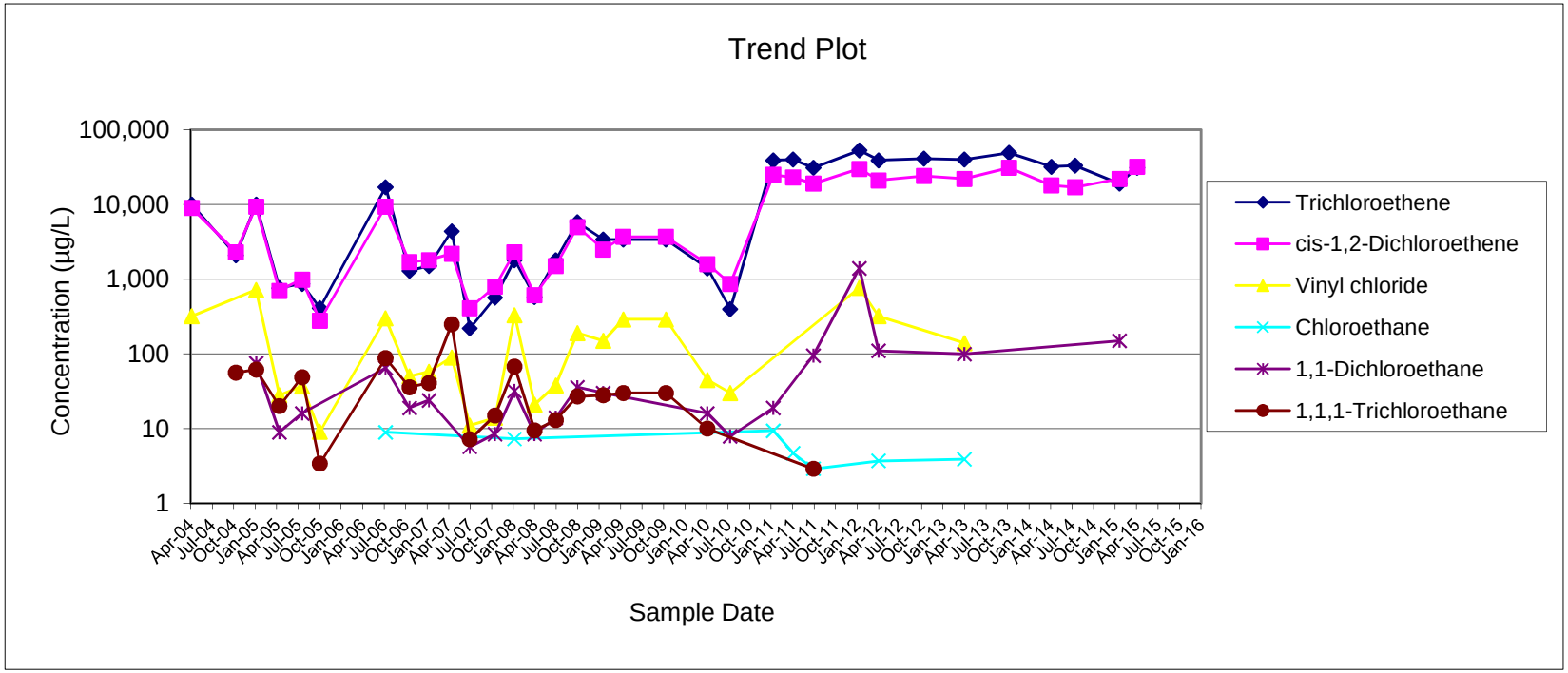
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	<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

MONITORING WELL MW-13S

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

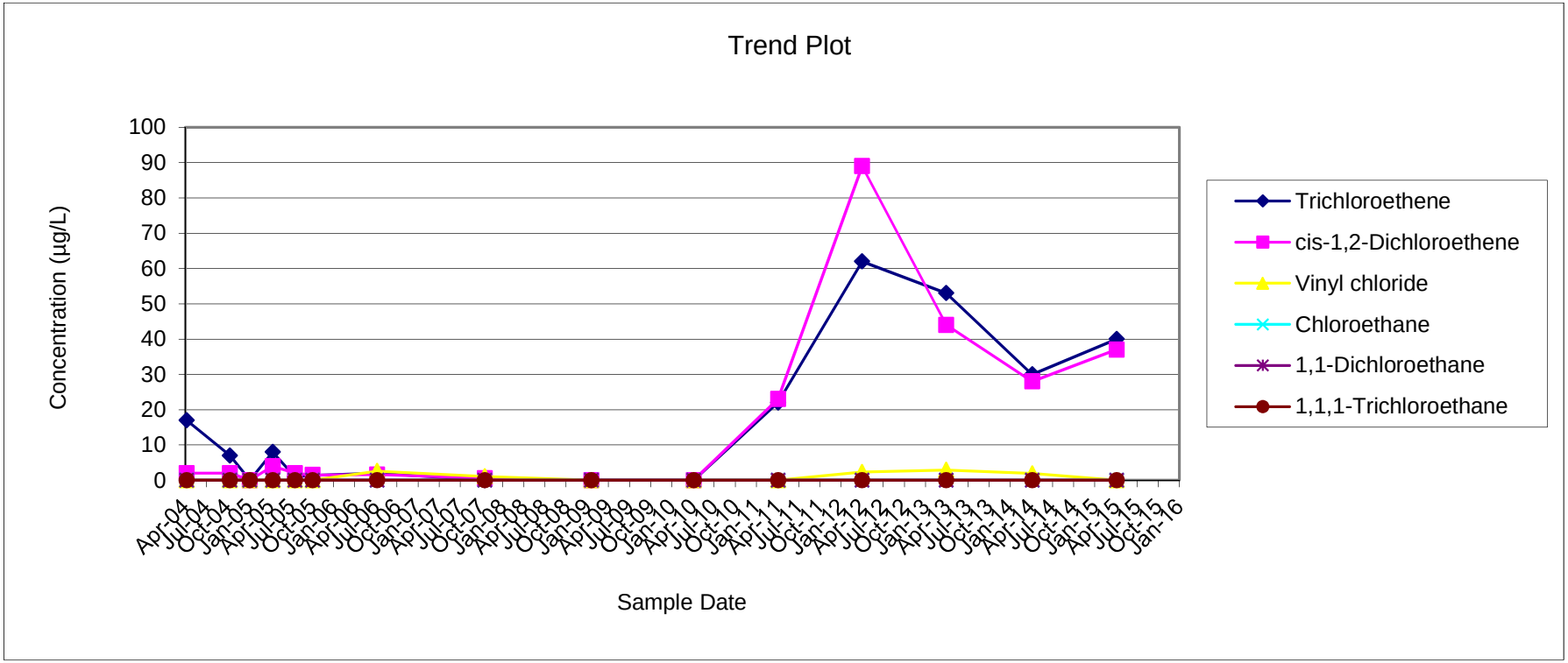
Lancaster, New York



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

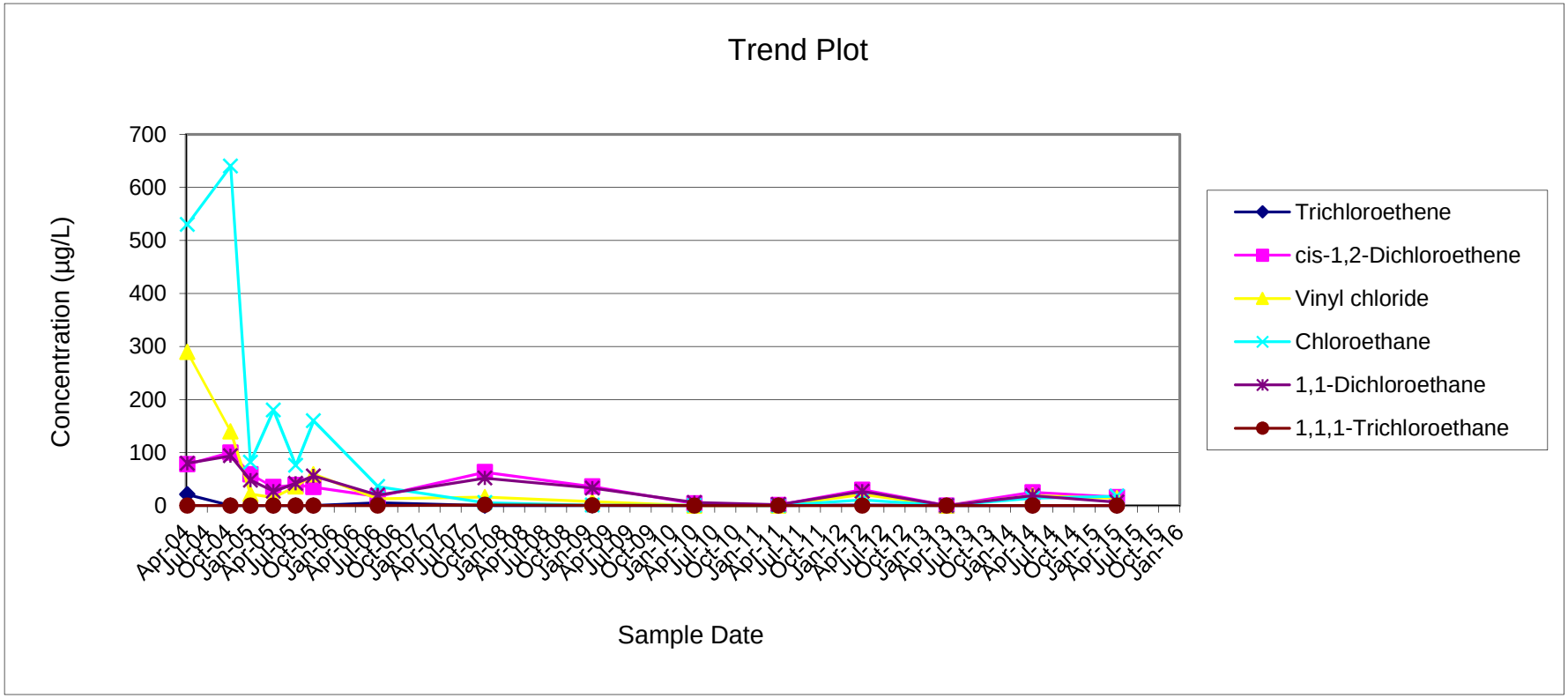
PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

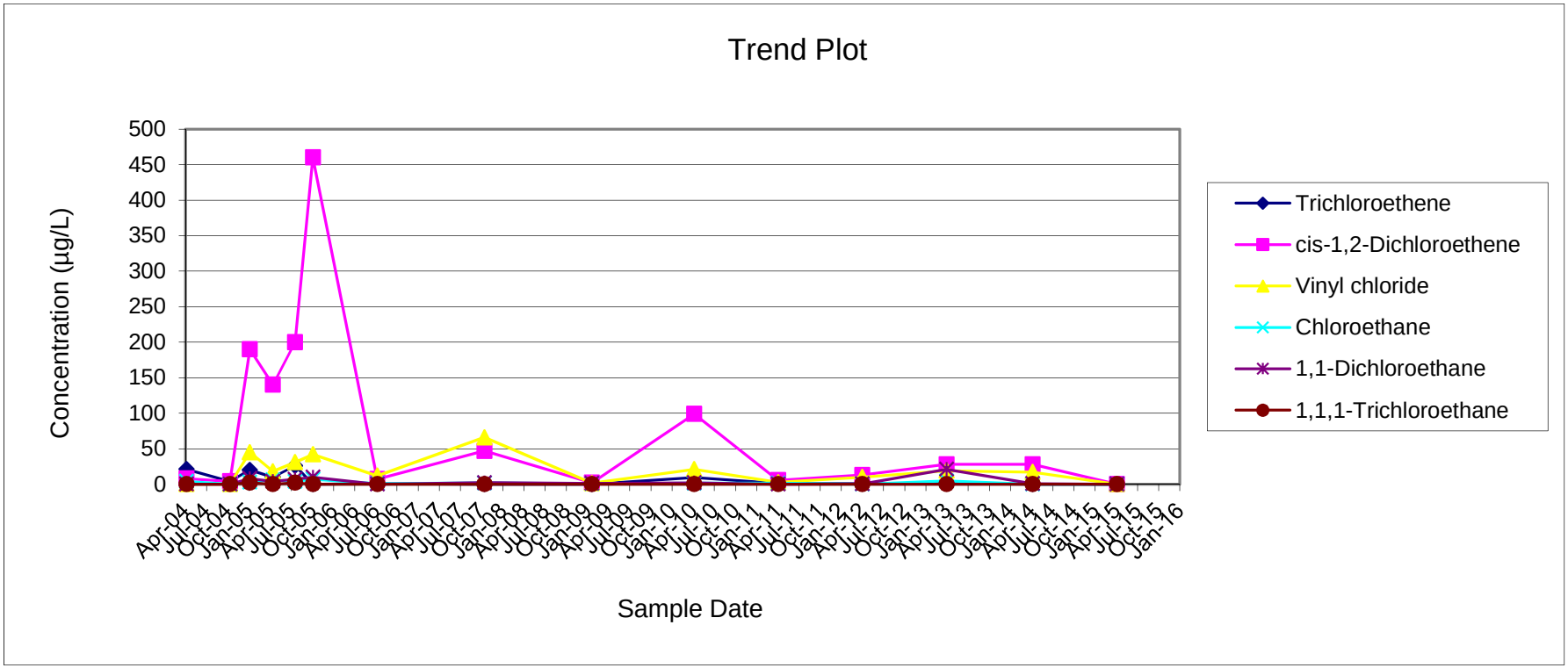
PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

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

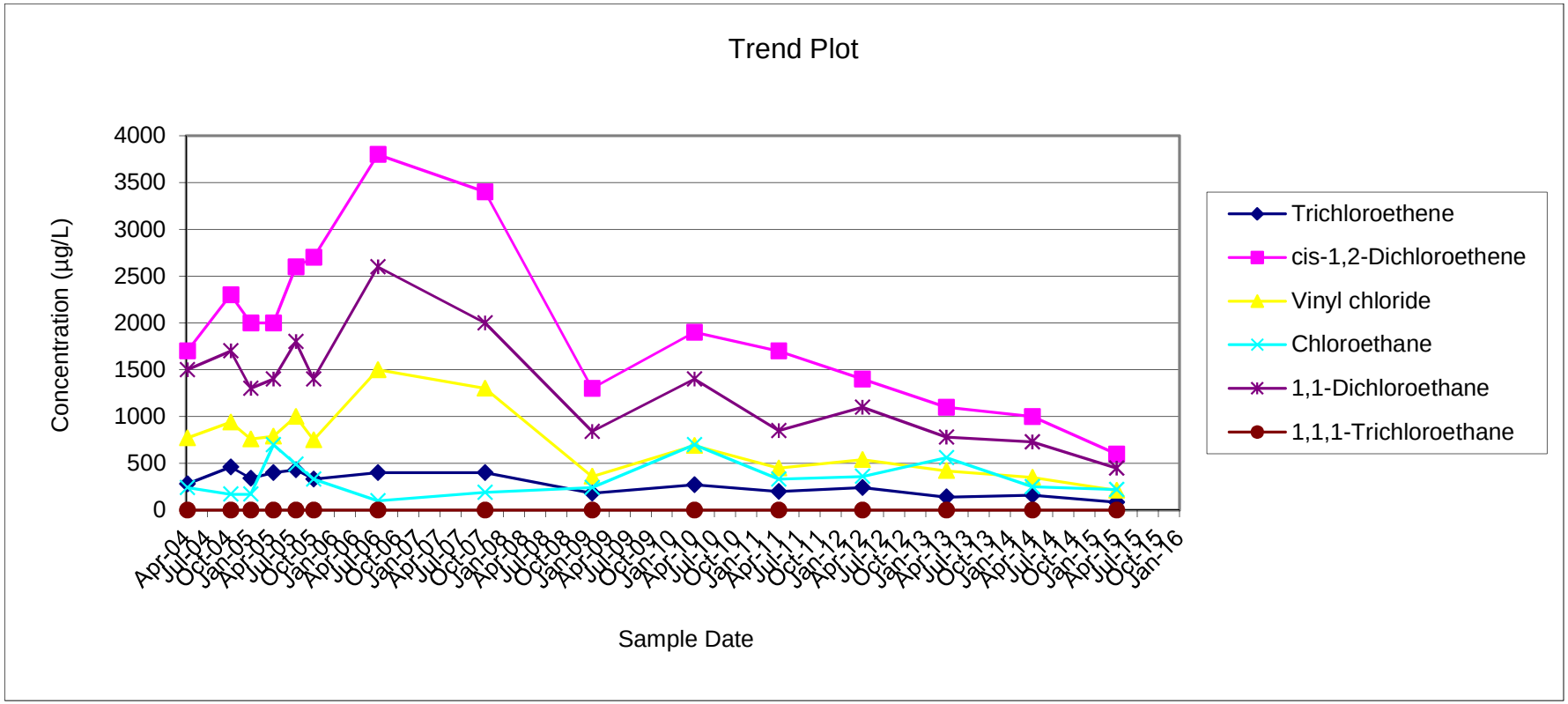
PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	280	1,700	770	240	1,500	< 250
10/12/2004	460	2,300	940	170	1,700	< 250
1/7/2005	340	2,000	760	170	1,300	< 250
4/15/2005	400	2,000	790	700	1,400	< 200
7/21/2005	430	2,600	1,000	490	1,800	< 120
10/5/2005	330	2,700	750	330	1,400	<100
7/10/2006	400	3,800	1,500	100	2,600	< 25
10/16/2007	400	3400	1300	190	2000	< 200
1/21/2009	180	1300	360	240	840	<5
4/8/2010	270	1900	690	700	1400	<10
4/7/2011	200	1700	450	330	850	<1
4/3/2012	240	1400	540	360	1100	<1
4/1/2013	140	1100	420	560	780	<20
4/7/2014	160	1000	350	250	730	<20
4/6/2015	85	600	210	220	450	<20

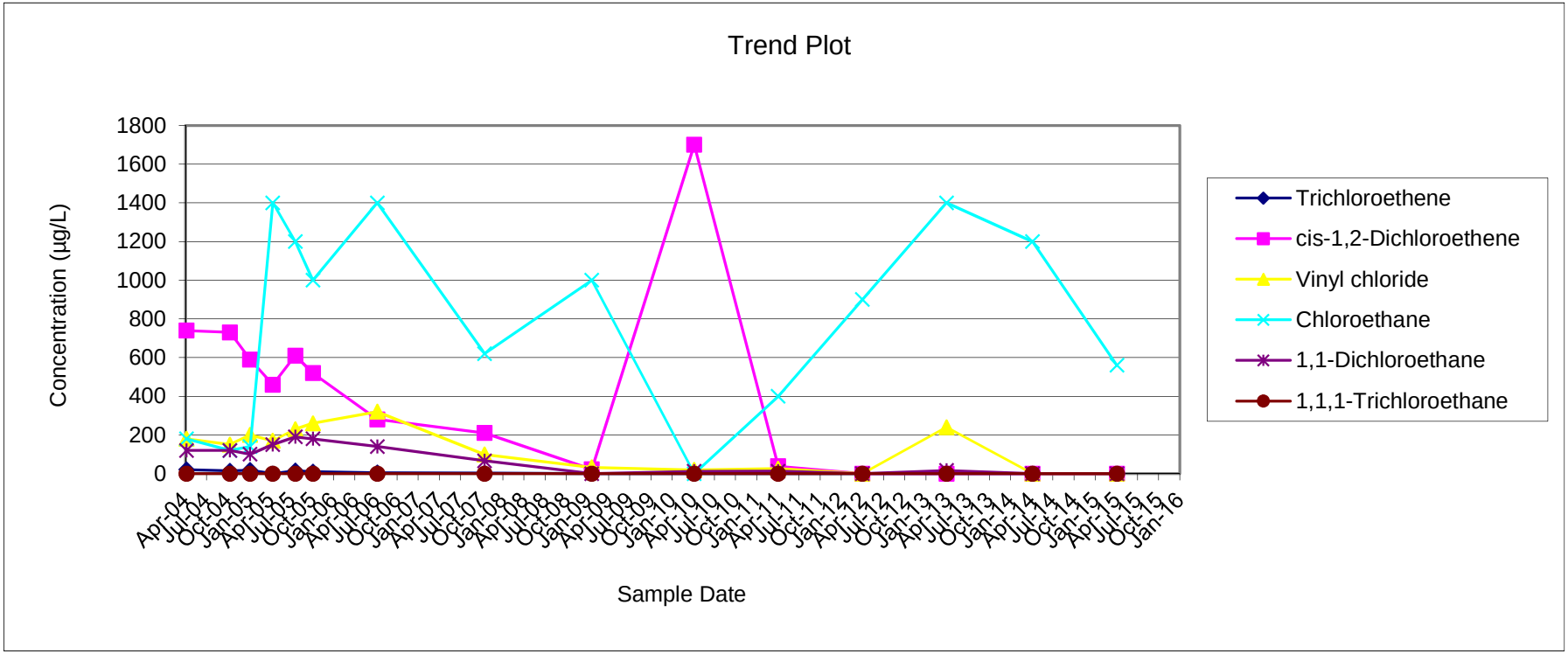
PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

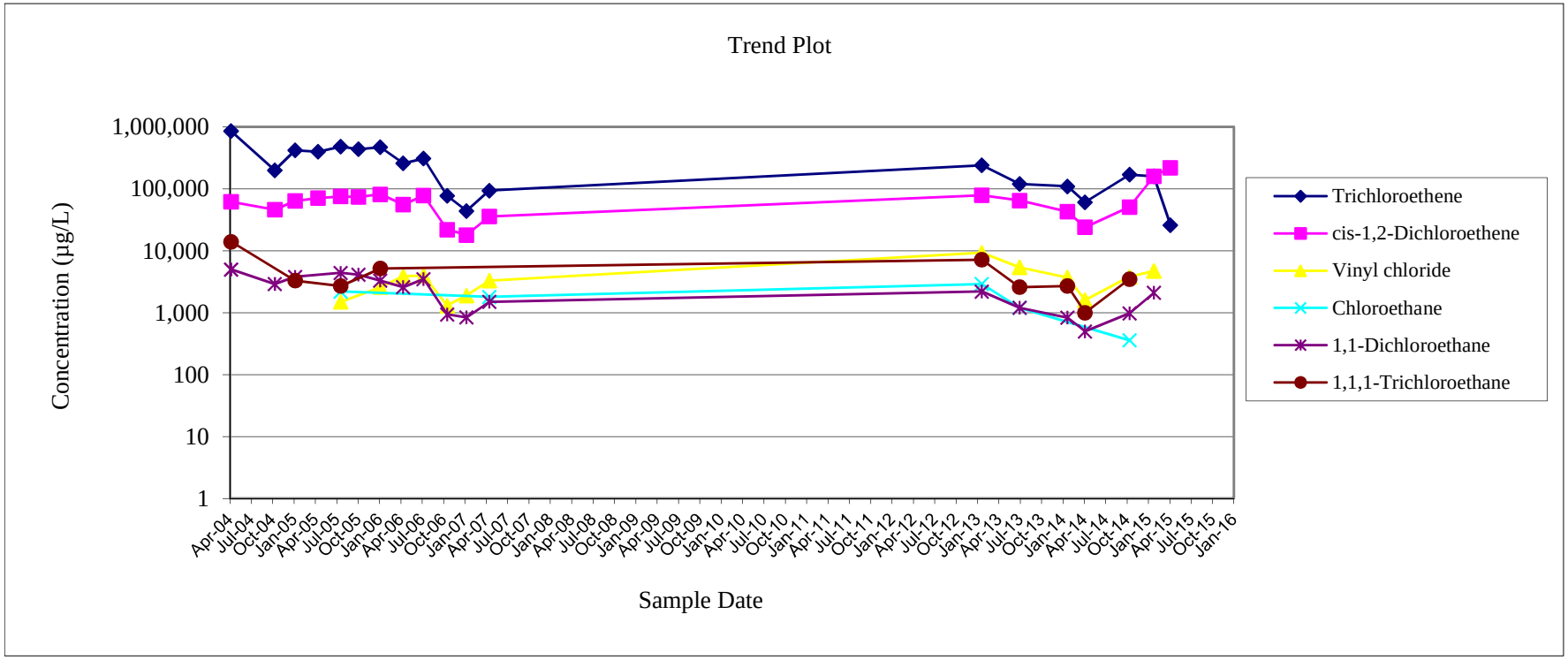
PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

	Analytical Results (µg/L)					
Sample Date	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	3,800	3,300
4/15/2005	400,000	71,000	< 25,000	< 25,000	< 25,000	< 25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	< 25,000	< 25,000	4,100	< 25,000
1/6/2006	470,000	82,000	2,600	< 20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	< 20,000	2,600	< 20,000
7/10/2006	310,000	78,000	4,000	< 20,000	3,500	< 20,000
10/19/2006	77,000	22,000	1,300	< 5,000	940	< 5,000
1/10/2007	44,000	18,000	1,900	< 2,500	840	< 2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	< 5,000
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	<4000	2,100	<4000
4/7/2015	26,000	220,000	<4000	<4000	<4000	<4000

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



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

PIEZOMETER MW-16D
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