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December 3, 2009

Ms. Linda Ross, CPG
New York State Department of Environmental Conservation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

RE: Fourth Quarter 2009 Groundwater Monitoring Report
October 2009 Sampling Event
Former Scott Aviation Facility
Lancaster, New York
NYSDEC Site Code No. 9-15-149

Dear Ms. Ross:

On behalf of Scott Technologies, Inc., AECOM is pleased to provide the Fourth Quarter 2009 Groundwater Monitoring Report for the former Scott Aviation Facility (site) located in Lancaster, New York (Figure 1). Quarterly groundwater monitoring activities have been performed in accordance with the New York State Department of Environmental Conservation (NYSDEC), Administrative Order on Consent (AOC), Index No. B9-0377095-05, for the former Scott Aviation property (formerly Figgie International), NYSDEC Site Code No. 9-15-149. This report has been developed in accordance with the *New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft DER-10 Technical Guidance for Site Investigation and Remediation,* dated December 2002*.*

Groundwater samples were collected from select monitoring wells in fulfillment of the site AOC groundwater monitoring requirements. A new monitoring schedule was implemented based on Table 10 presented in the *Remedial Action Engineering Report (October 15, 2007 through January 22, 2009),* dated April 2009, and the wells sampled during this groundwater event reflected this new schedule. Additionally, vapor samples were collected as part of the October 2009 sampling event from the remediation system's air discharge sampling ports to ensure that the treated system effluent was in compliance with NYSDEC vapor discharge guidance criteria. Included in this report are a description of the project background, groundwater and vapor monitoring activities, operation and maintenance (O&M) activities for the Dual Phase Extraction (DPE) system, and a summary of groundwater quality and vapor effluent results.

**Project Background**

Scott Aviation, Inc. was sold to Zodiac Acquisitions Corporation, and the facility is now occupied by AVOX Systems Inc. Responsibility for the DPE groundwater remediation system located at 25A Walter Winter Drive, west of AVOX Plant 2, was retained by Scott Technologies, Inc., the former parent company of Scott Aviation, Inc. Scott Technologies, Inc. has retained the services of AECOM for the ongoing O&M of the DPE remediation system and related groundwater monitoring activities.

AECOM conducted a site investigation during February 2003 in fulfillment of the document "Site Investigation Work Plan," dated December 31, 2002, and it was approved by NYSDEC on January 15, 2003. A comprehensive Site Investigation Completion Report (SICR) was submitted to NYSDEC on June 30, 2003; the report was approved by NYSDEC in August 2003. At the request of NYSDEC, AECOM prepared a Remedial Design Work Plan (RDWP) to complete the additional remedial work recommended in the SICR. The RDWP was submitted on November 21, 2003, and it was approved by NYSDEC on January 5, 2004.

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

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

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

Figure 2 depicts the location of site groundwater monitoring wells and piezometers, the DPE recovery wells and system piping, the enclosed DPE system trailer, and the pre-existing GWCT and treatment building. Figure 3 provides the process and instrumentation diagram for the combined DPE remediation system.

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

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

Per a phone conversation between the NYSDEC project manager and the AECOM project manager on April 10, 2009, an Annual Report summarizing the operation of the combined DPE remediation system will be required in the future in place of the RAER. As such, a comprehensive groundwater sampling event encompassing all site monitoring wells will be conducted in January of each year with subsequent submission of the Annual Report by April. The proposed groundwater monitoring schedule for the site through January 2010 is provided in Table 1.

**Quarterly Groundwater Monitoring Activities – October 2009**

AECOM personnel collected quarterly groundwater samples on October 12 and 13, 2009, in accordance with the procedures outlined in the NYSDEC-approved RDWP. Monitoring wells sampled in October 2009 included MW-2, MW-3, MW-6, MW-8R, MW-10, MW-11, MW-12, and MW-13S (Figure 2). Field forms generated during this sampling event are provided in Appendix A. Groundwater samples were analyzed for VOCs by United States Environmental Protection Agency (EPA) SW-846 Method 8260B by Test America Laboratories, Inc. located in Amherst, New York.

Prior to the collection of groundwater samples, a complete round of groundwater levels were measured in all site wells and piezometers. Table 2 provides a summary of groundwater elevations measured on October 12, 2009. A summary of current and historical groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair are provided in Appendix B. Monitoring wells MW-2, MW-3, MW-6, MW-8R, MW-9, MW-10, MW-11, and MW-12 are screened across both the shallow and deep overburden groundwater zones. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened with one piezometer screened in the shallow overburden groundwater zone ('S' designation) and one piezometer screened in the deep overburden groundwater zone ('D' designation). Figure 4 provides the groundwater surface contours and the corresponding groundwater flow direction using monitoring well and deep piezometer water elevation data.

Groundwater elevations measured on October 12, 2009 ranged from as low as 665.55 feet above mean sea level (AMSL) at MW-14D to as high as 686.41 feet AMSL at MW-15S. Groundwater surface elevations across the site increased by an average of approximately 0.51 feet since the last round of groundwater measurements collected on July 21, 2009. Based on the October 2009 water level measurements, the groundwater surface beneath the site exhibits inward flow towards the DPE wells and the GWCT. The observed groundwater depression is centered in the vicinity of extraction well DPE-2. As Figure 4 illustrates the DPE wells and the GWCT continue to induce groundwater flow reversal along the western AVOX Plant 2 property boundary. This reversal in groundwater flow provides sustained hydraulic capture of VOCs present in the overburden groundwater that might otherwise migrate off-site.

During the groundwater sampling event, AECOM identified a monitoring well that had an "unknown" status. After collecting field measurements of the well depth, casing diameter, and well construction material (refer to Appendix C for a monitoring well check list and photographs of the well) and reviewing historical data, AECOM has determined that the "unknown" well is MW-5. Based on the poor condition of MW-5, AECOM proposes to properly decommission this well in 2010.

**Groundwater Quality Results – October 2009**

Table 3 summarizes the VOCs detected in the groundwater samples collected in October 2009. The table below summarizes VOCs detected in groundwater above their detection limits, their respective concentration ranges, the number of detections, and the number of those detections that exceeded the Site-specific Remedial Action Objectives (RAOs) or the New York Code of Rules and Regulations (NYCRR), Title 6, Part 702.15(a)(2) and 703.5. Note that in some cases the detection limits for certain VOCs were set above their respective RAO's due to dilution factors (high concentration of target analyte[s]).

**Groundwater Quality Results**
**October 2009**

| VOCs Detected in Groundwater | Concentration Range (µg/L) | Number of Detections | Remedial Action Objective/NYCRR Exceedances |
|---|---|---|---|
| Chloroethane | 1.6 - 67 | 6 | 5 |
| Vinyl Chloride | 5.4 -110 | 5 | 5 |
| | | | |
| 1,1-Dichloroethane | 10 - 19 | 4 | 4 |
| cis-1,2-Dichloroethene | 0.6 – 1,900 | 5 | 3 |

| VOCs Detected in Groundwater | Concentration Range (µg/L) | Number of Detections | Remedial Action Objective/NYCRR Exceedances |
|---|---|---|---|
| Trichloroethene | 0.97 – 1,400 | 3 | 2 |
| 1,1,1-Trichloroethane | 0.91 - 14 | 3 | 1 |
| 1,1-Dichloroethene | 1.5 - 12 | 3 | 1 |
| 1,2-Dichloroethane | 0.6 | 1 | 1 |
| trans-1,2-Dichloroethene | 1.4 – 2.0 | 2 | 0 |
| Acetone | 8.1 | 1 | 0 |
| Benzene | 0.98 | 1 | 0 |

Eleven VOCs were detected in groundwater above their associated detection limit during the monitoring period. Eight of the eleven VOCs detected exceeded either the site-specific RAOs for groundwater or the NYCRR criteria. The most prevalent compounds detected in groundwater in October 2009 included Vinyl Chloride (VC), Chloroethane, 1,1-Dichloroethane (1,1-DCA), cis-1,2-Dichloroethene (cis-1,2-DCE), Trichloroethene (TCE), 1,1,1-Trichloroethane (1,1,1-TCA), and 1,1-Dichloroethene. The occurrence of these compounds is primarily in the vicinity of the former on-site source area, and VOC concentrations decrease significantly in the vicinity of the perimeter monitoring wells.

An electronic copy of the analytical laboratory data package for the October 2009 groundwater monitoring event is provided as Appendix D on a compact disc (CD). A complete hard copy of the analytical data report is on file in AECOM's Amherst, New York office, and it can be made available upon request.

The presence and distribution of TCE daughter products (cis-1,2-DCE, VC, and Chloroethane) and 1,1,1-TCA daughter products (1,1-DCA and Chloroethane) provides supportive evidence that the attenuation of TCE and 1,1,1-TCA and its 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 distribution of TCE in the subsurface.

Historical trend plots illustrating concentrations of TCE, cis-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, and Chloroethane are provided in Appendix E. In general, VOC concentrations in groundwater continue to degrade as a result of naturally occurring reductive dechlorination processes. Additionally, VOCs in soil vapor and groundwater are also decreasing as a result of extraction and treatment through the combined DPE remediation system. Because TCE is considered the primary source of groundwater contamination at the site, a summary of historical and current TCE concentrations in groundwater for the eight monitoring wells and piezometers sampled in October 2009 is included in Table 4. Recall that the DPE component of the combined remediation system was started on May 14, 2004.

During this quarterly groundwater monitoring period, TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, MW-11, and MW-12. As shown on Table 4, the concentration of TCE in groundwater in October 2009 decreased in MW-8R and MW-13S when compared to the TCE results from the April 2009 sampling event (MW-8R and MW-13S were not sampled in July 2009). Note monitoring wells MW-4 and MW-16S were not sampled this quarter. The percent reduction in TCE concentration between April 2009 and October 2009 in MW-8R was 89% and in MW-13S was 88%. There was a slight increase in TCE concentration in MW-11 between July 2009 and October 2009 (0.69 µg/L and 0.97 µg/L respectively). Overall, the concentrations of TCE detected during the October 2009 sampling event were below the concentrations of TCE detected during the July 2009 event.

Table 4 also shows the percent reduction in TCE concentrations between the baseline sampling event and the October 2009 monitoring event for each of the monitoring wells sampled. Overall, decreases in the concentration of TCE detected since the combined DPE groundwater remediation system was installed in May 2004 indicate the system continues to reduce VOC concentrations in perched groundwater and soil at the site. In addition, the treatment system also continues to prevent the off-site migration of high concentrations of TCE.

**Quarterly Combined DPE Remediation System Vapor Effluent Monitoring Activities – October 2009**

AECOM personnel collected vapor effluent samples from the combined DPE groundwater remediation system vapor discharge stacks on October 12, 2009. Summa canisters were used to collect vapor samples from permanent sample ports located on two system air stacks. Figure 3 shows the location of both vapor sample ports. The first sample was obtained from the vapor effluent discharge for the liquid ring pump (LRP). The second sample was obtained from the air stripper (AS) unit discharge. Air samples were analyzed for VOCs by Method TO-14A by Test America Laboratories, Inc. located in Burlington, Vermont.

**Combined DPE Remediation System Effluent Monitoring Results – October 2009**

The system vapor effluent results are summarized in Table 5, and an electronic copy of the analytical laboratory data package is provided on the enclosed CD in Appendix D (complete hard copy available in AECOM's Amherst, New York office). Six VOCs were detected in the combined DPE remediation system LRP effluent and six VOCs were detected in the AS unit effluent. The total VOCs discharged in the LRP effluent were 204,210 micrograms per cubic meter ($\mu g/m^3$) and 1,709 $\mu g/m^3$ in the AS unit effluent. The calculated VOC discharge-loading rate for the combined DPE remediation system was approximately 0.053 pounds per hour (lb/hr), which is below the NYSDEC discharge guidance value of 0.5 lb/hr.

**Dual Phase Extraction System Operation and Maintenance**

AECOM monitored system performance, conducted routine O&M, and responded to system alarms and periodic breakdowns of the combined DPE remediation system. O&M activities conducted in addition to routine O&M activities during the monitoring period included the following:

- On September 9, 2009, AECOM's subcontractor, Matrix Environmental, performed repairs to the DPE system including removal of the LRP solenoid valve, installation of a vacuum loop, addition of seal oil, installation of a valve to correct amp draws on the LRP..
- On September 27, 2009, Matrix Environmental preformed an oil change and replaced the exhaust filter on the LRP.
- On October 5, 2009, AECOM and subcontractor Matrix Environmental installed a new totalizer on the AS unit influent, installed a new fuse on the GWCT pump panel, replaced a leaking oil line on the LRP, and winterized the DPE system.
- On October 12, 2009, AECOM performed the Fourth Quarter 2009 Discharge Monitoring Report sampling for the Erie County/Buffalo Pollution Discharge Elimination System, Permit No. 08-02-E4045. Both the GWCT and DPE systems were running during sample collection.
- AECOM continued to monitor light non-aqueous phase liquid (LNAPL) absorbent socks installed in monitoring wells MW-4, MW-8R, MW-13S, and MW-16S.

The combined DPE remediation system ran intermittently during the monitoring period. Based on a system operational period from July 21, 2009 through October 14, 2009, the total combined DPE system

runtime was approximately 78.6 percent. This runtime percentage was derived from the LRP run timer divided by the monitoring time period. During this operational period, the DPE system collected an estimated 42,387 gallons of groundwater at an average flow rate of 0.32 gpm. The GWCT collected 66,353 gallons of groundwater at an average flow rate of 0.5 gpm. Therefore, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 108,740 gallons at a combined average flow rate of 0.82 gpm.

**Summary**

The combined DPE remediation system (DPE and GWCT) was fully operational during Fourth Quarter 2009 groundwater sampling and monitoring activities that occurred October 12-14, 2009. TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, MW-11, and MW-12. A substantial decrease in the concentration of TCE was observed in all but one well when compared to the results from the previous sampling event conducted at each well; note a slight increase in TCE observed at MW-11.

Based on the results of the October 2009 sampling event, the combined DPE remediation system continues to maintain hydraulic capture of the overburden groundwater. In addition, the system continues to make progress towards the reduction of the concentration of VOCs present in site soil and groundwater. Vapor emissions produced by the combined system during the Fourth Quarter 2009 were less than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next quarterly site monitoring event is scheduled for January 2010, and a list of the monitoring wells and piezometers to be sampled is included in Table 1. If you have any questions regarding this submission, please do not hesitate to contact me at (716) 836-4506 or via e-mail at dino.zack@aecom.com.

Sincerely,

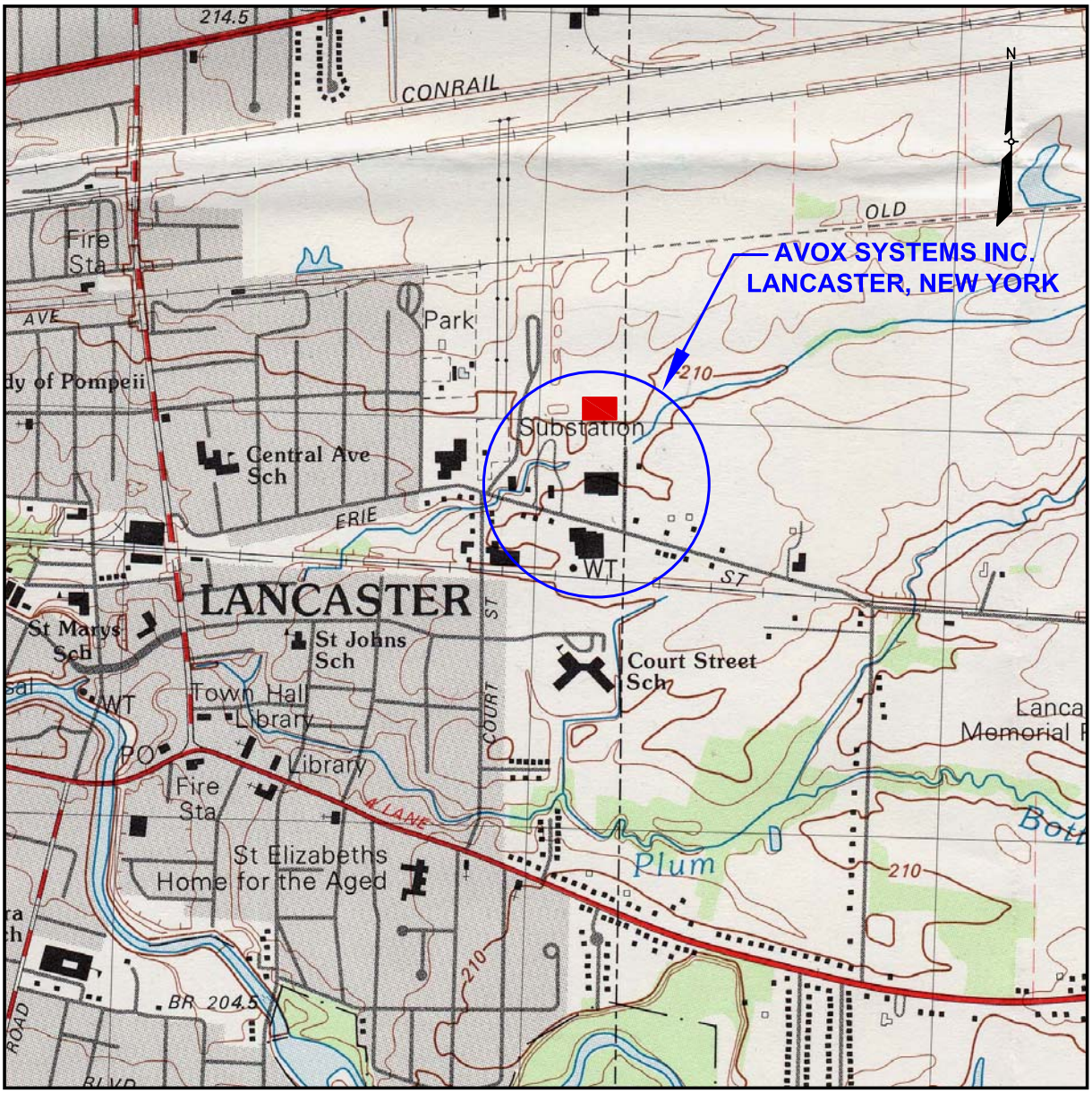
**AECOM**

Dino L. Zack, P.G.
Project Manager

\Enclosures

cc: Tamara Girard, NYSDOH – Western Regional Office (Electronic Copy)
Bill Saskowski, AVOX Systems Inc. (Electronic Copy)
John Perkins, Tyco Safety Products (Electronic Copy)
Timothy Renn, AECOM (Electronic Copy)
Project File 71149
Facility File

# FIGURES




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

LEGEND

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

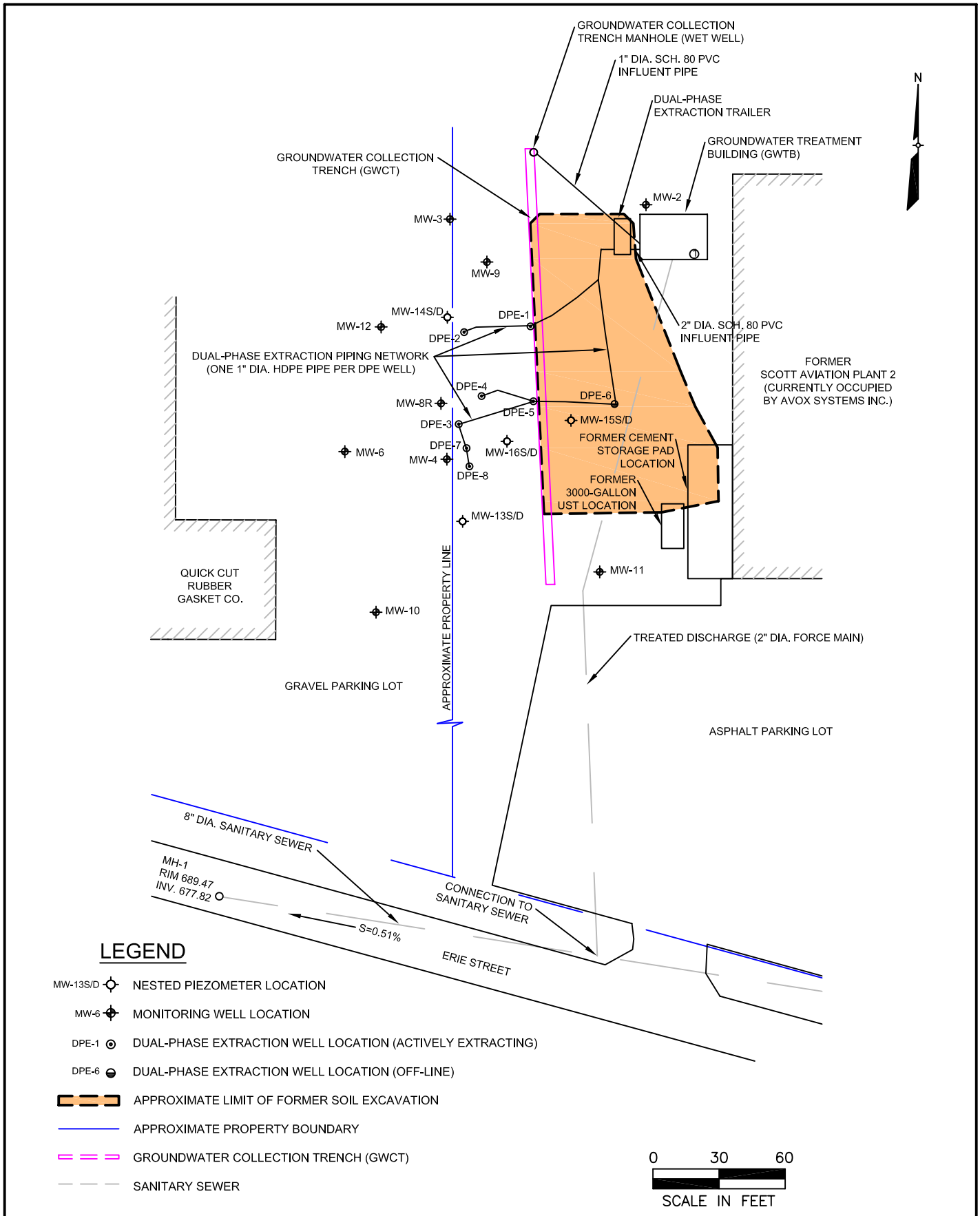
0 1000 2000
SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

AVOX SYSTEMS INC.
LANCASTER, NEW YORK

\\USGRNS01\data\work\71149\CADD\71149_000 Site Loc Map.dwg, 2/3/2009 9:26:41 AM, mandy.splawn




AECOM

# FIGURE 2
# SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

\\USGRNS01\data\work\71149\CADD\71149_001 Site Plan Oct 2008.dwg, 8/27/2009 12:13:42 PM, splawnm

CONDENSATE RETURN LINES

VAPOR DISCHARGE TO ATMOSPHERE

OIL SEALED VACUUM BLOWER (LIQUID RING PUMP)

RECYCLE LINE

OIL FILTER RECYCLER

DUAL PHASE EXTRACTION TRAILER

PARTICULATE/LIQUID FILTER

DPE SYSTEM CONTROL PANEL

VAPOR / LIQUID PHASE SEPARATOR

H H
H L
L L

DPE-6 DPE-7 DPE-8

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

AUTO TRANSER PUMP

HOLD TANK

AUTO TRANSER PUMP

BAG FILTER #1

BAG FILTER #2

VACUUM BLOWER

VAPOR DISCHARGE TO ATMOSPHERE

FLOOR SUMP

AIR BLEED VALVE

DROP TUBE

DPE RECOVERY WELL (TYP)

AIR STRIPPER SYSTEM CONTROL PANEL

AIR STRIPPER

GROUNDWATER TREATMENT BUILDING (GWTB)

AUTO TRANSER PUMP

SUBMURSIBLE PUMP

GROUNDWATER COLLECTION TRENCH (GWCT) WET WELL

HEAT EXCHANGER (OFF-LINE)

CONDENSATE RETURN LINES

TREATED WATER DISCHARGE TO SANITARY SEWER

FRESH AIR INTAKE

## LEGEND

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

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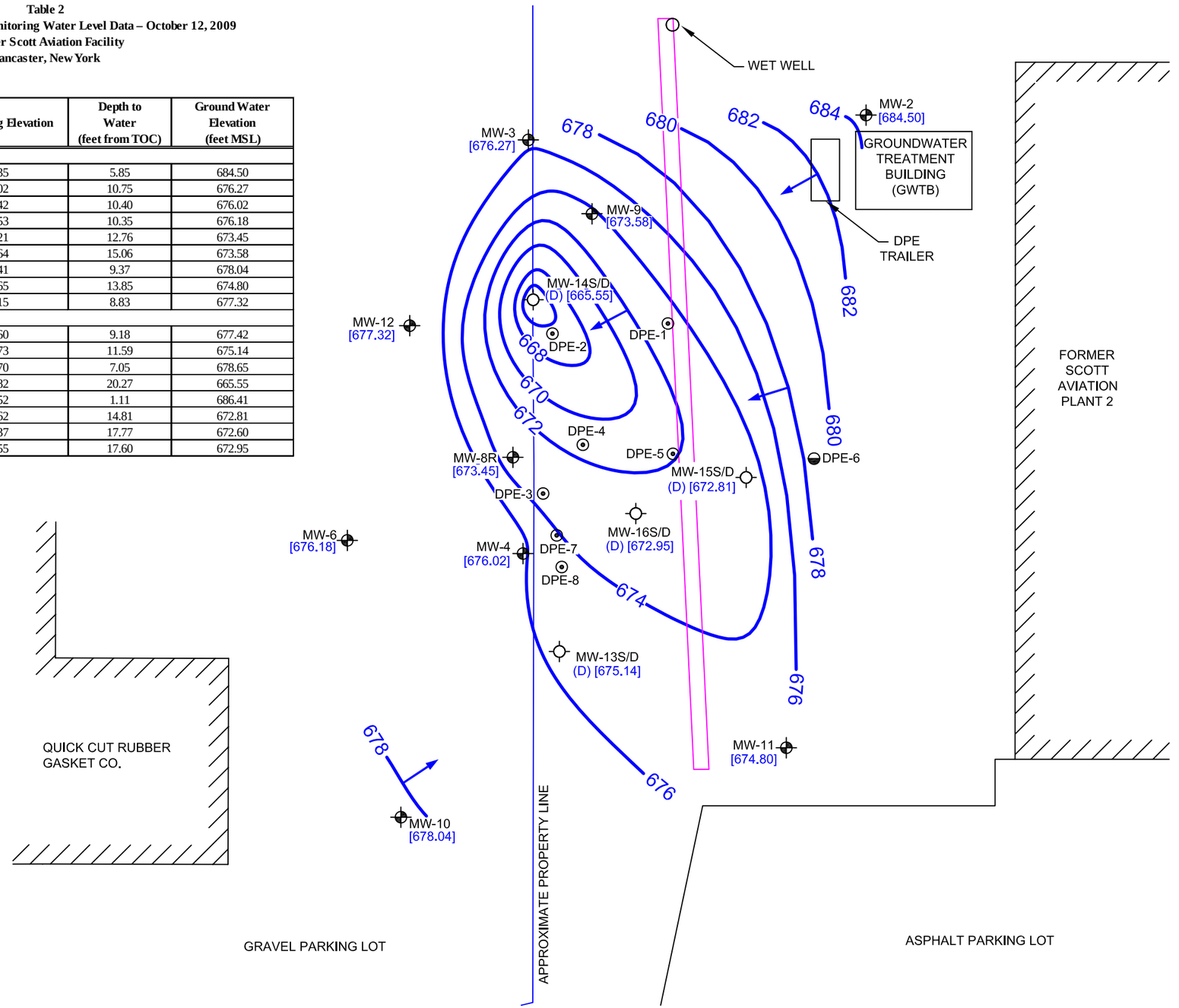
# FIGURE 3
# PROCESS AND INSTRUMENTATION DIAGRAM FOR COMBINED DUAL PHASE EXTRACTION REMEDIATION SYSTEM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

**Table 2**
**Quarterly Groundwater Monitoring Water Level Data – October 12, 2009**
**Former Scott Aviation Facility**
**Lancaster, New York**

| Monitoring Point Identification | Top of Casing Elevation | Depth to Water (feet from TOC) | Ground Water Elevation (feet MSL) |
|---|---|---|---|
| **Monitoring Wells** | | | |
| MW-2 | 690.35 | 5.85 | 684.50 |
| MW-3 | 687.02 | 10.75 | 676.27 |
| MW-4 | 686.42 | 10.40 | 676.02 |
| MW-6 | 686.53 | 10.35 | 676.18 |
| MW-8R | 686.21 | 12.76 | 673.45 |
| MW-9 | 688.64 | 15.06 | 673.58 |
| MW-10 | 687.41 | 9.37 | 678.04 |
| MW-11 | 688.65 | 13.85 | 674.80 |
| MW-12 | 686.15 | 8.83 | 677.32 |
| **Nested Piezometers** | | | |
| MW-13S | 686.60 | 9.18 | 677.42 |
| MW-13D | 686.73 | 11.59 | 675.14 |
| MW-14S | 685.70 | 7.05 | 678.65 |
| MW-14D | 685.82 | 20.27 | 665.55 |
| MW-15S | 687.52 | 1.11 | 686.41 |
| MW-15D | 687.62 | 14.81 | 672.81 |
| MW-16S | 690.37 | 17.77 | 672.60 |
| MW-16D | 690.55 | 17.60 | 672.95 |

**Notes:**
TOC - Top of Casing
MSL - Mean Sea Level




## LEGEND

- MW-13S/D — NESTED PIEZOMETER LOCATION
- MW-9 — MONITORING WELL LOCATION
- DPE-8 — DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-2 — DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [673.58] — GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 674 — 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 OCTOBER 12, 2009.

0 15 30 60
SCALE IN FEET

AECOM

FIGURE 4
GROUNDWATER SURFACE CONTOUR MAP
OCTOBER 2009
DEEP OVERBURDEN GROUNDWATER LEVELS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK
71149

\\USGRNS01\data\work\71149\CADD\71149_055 GW Surf Cont Oct_2009 (DEEP).dwg, 11/4/2009 3:45:18 PM, splawnm

# TABLES

**Table 1**
**Groundwater Monitoring Schedule – July 2009 through January 2010**
**Former Scott Aviation Facility**
**Lancaster, New York**

| Event Date | Number of Wells/Piezometers Sampled | Wells/Piezometers Sampled | | | |
|---|---|---|---|---|---|
| **Quarterly Groundwater Monitoring** | | | | | |
| July 2009 | 8 | MW-2 | MW-3 | MW-4 | MW-6 |
| | | MW-10 | MW-11 | MW-12 | MW-16S |
| October 2009 | 8 | MW-2 | MW-3 | MW-6 | MW-8R |
| | | MW-10 | MW-11 | MW-12 | MW-13S |
| January 2010 | 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 2**
**Quarterly Groundwater Monitoring Water Level Data – October 12, 2009**
**Former Scott Aviation Facility**
**Lancaster, New York**

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| MW-6 | 686.53 | 10.35 | 676.18 |
| MW-8R | 686.21 | 12.76 | 673.45 |
| MW-9 | 688.64 | 15.06 | 673.58 |
| MW-10 | 687.41 | 9.37 | 678.04 |
| MW-11 | 688.65 | 13.85 | 674.80 |
| MW-12 | 686.15 | 8.83 | 677.32 |
| **Nested Piezometers** | | | |
| MW-13S | 686.60 | 9.18 | 677.42 |
| MW-13D | 686.73 | 11.59 | 675.14 |
| MW-14S | 685.70 | 7.05 | 678.65 |
| MW-14D | 685.82 | 20.27 | 665.55 |
| MW-15S | 687.52 | 1.11 | 686.41 |
| MW-15D | 687.62 | 14.81 | 672.81 |
| MW-16S | 690.37 | 17.77 | 672.60 |
| MW-16D | 690.55 | 17.60 | 672.95 |

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

**Table 3**
**Summary of Laboratory Analytical Data for Groundwater**
**Former Scott Aviation Facility**
**Lancaster, New York**

| Sample ID | Groundwater | MW-2 | MW-3 | MW-8R | Dup (MW-8SR) | MW-6 |
|---|---|---|---|---|---|---|
| Date Collected | RAO/ NYCRR | 10/12/09 | 10/12/09 | 10/13/09 | 10/13/09 | 10/13/09 |
| Lab Sample ID | Objectives | RSJ0841-03 | RSJ0841-04 | RSJ0841-06 | RSJ0841-02 | RSJ0841-05 |
| **Volatile Organic Compounds by Method 8260 (µg/L)** | | | | | | |
| Benzene | 1 | < 5.0 U | < 5.0 U | **0.98 J** | **1.0 J** | < 5.0 U |
| Chloroethane | 5 | **13** | **30** | **30** | **30** | < 5.0 U |
| Acetone | 50 | **8.1 J** | < 25 U | < 5.0 U | < 5.0 U | < 25 U |
| 1,1-Dichloroethane | 5 | < 5.0 U | **10** | **19** | **19** | < 5.0 U |
| 1,2-Dichloroethane | 0.6 | < 5.0 U | < 5.0 U | < 5.0 U | < 5.0 U | < 5.0 U |
| 1,1-Dichloroethene | 5 | < 5.0 U | < 5.0 U | **12** | **12** | < 5.0 U |
| cis-1,2-Dichloroethene | 5 | < 5.0 U | **3.7 J** | **1900 D** | **1900 D** | < 5.0 U |
| 1,1,1-Trichloroethane | 5 | < 5.0 U | < 5.0 U | **0.91 J** | **0.83 J** | < 5.0 U |
| Trichloroethene | 5 | < 5.0 U | < 5.0 U | **1400 D** | **1500 D** | < 5.0 U |
| trans-1,2-Dichloroethene | 5 | < 5.1 U | < 5.0 U | **2 J** | **2 J** | < 5.0 U |
| Vinyl chloride | 5 | < 5.0 U | **45** | **110** | **120** | < 5.0 U |

| Sample ID | Groundwater | MW-10 | MW-11 | MW-12 | MW-13S |
|---|---|---|---|---|---|
| Date Collected | RAO/ NYCRR | 10/13/09 | 10/13/09 | 10/12/09 | 10/13/09 |
| Lab Sample ID | Objectives | RSJ0841-07 | RSJ0841-08 | RSJ0841-09 | RSJ0841-10 |
| **Volatile Organic Compounds by Method 8260 (µg/L)** | | | | | |
| Benzene | 1 | < 5.0 U | < 5.0 U | < 5.0 U | < 5.0 U |
| Chloroethane | 5 | < 5.0 U | **45** | **67.0** | **1.6 J** |
| Acetone | 50 | < 25 U | < 25 U | < 5.0 U | < 5.0 U |
| 1,1-Dichloroethane | 5 | < 5.0 U | **10** | < 5.0 U | **11** |
| 1,2-Dichloroethane | 0.6 | < 5.0 U | < 5.0 U | **0.60 J** | < 5.0 U |
| 1,1-Dichloroethene | 5 | < 5.0 U | **1.5 J** | < 5.0 U | **4.7 J** |
| cis-1,2-Dichloroethene | 5 | < 5.0 U | **46** | **0.6 J** | **640 D** |
| 1,1,1-Trichloroethane | 5 | < 5.0 U | **2.3 J** | < 5.0 U | **14** |
| Trichloroethene | 5 | < 5.0 U | **0.97 J** | < 5.0 U | **400** |
| trans-1,2-Dichloroethene | 5 | < 5.0 U | < 5.0 U | < 5.0 U | **1.4** |
| Vinyl chloride | 5 | < 5.0 U | **14** | **5.4** | **22** |

**Notes:**
µg/L - micrograms per liter
RAO - Remedial Action Objective
NYCRR - New York Code of Rules and Regulations, Title 6, Part 702.15 (a)(2) and 703.5
* - Secondary screening criteria from NYS Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series (TOGS) 1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998; revised January 1999, April 2000, and June 2004.
Bold font indicates the analyte was detected
Bold outline indicates the screening criteria was exceeded
D - Indicates sample was diluted due to high concentrations of target analyte(s
J - Indicates an estimated value

**Table 4**
**Summary of Historical and Current Trichloroethene Concentrations**
**Former Scott Aviation Facility**
**Lancaster, New York**

| Well ID | TCE Concentration (µg/L) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Apr 2003[1] | Apr 2004[2] | Oct 2004[3,4] | Jan 2005[4] | Apr 2005[4,5] | Jul 2005[4] | Oct 2005[4] | Jan 2006[4] | Apr 2006[4] | Jul 2006[4] | Oct 2006[4] | Jan 2007[4] | Apr 2007[4] | Jul 2007[4] | Oct 2007[4] |
| MW-2 | <1 | NA | NA | NA | <10 | NA | NA | <25 | <25 | <25 | <5 | <5 | <20 | <5 | <5 |
| MW-3 | <1 | NA | NA | NA | <10 | NA | NA | <25 | <25 | <25 | <5 | <5 | <20 | <5 | 5 |
| MW-4 | 249 | NA | 8,100 | 20,000 | NA | NA | NA | 6,500 | 3,200 | 2,400 | 2,600 | 2,800 | 4,900 | 1,100 | 4,800 |
| MW-6 | <1 | NA | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 0.63 |
| MW-8R | NA | NA | 35,000 | 23,000 | 15,000 | 9,200 | 13,000 | 42,000 | 14,000 | 16,000 | 13,000 | 1,600 | 19,000 | 29,000 | 2,200 |
| MW-10 | <1 | NA | NA | NA | <10 | NA | NA | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| MW- 11 | NA | NA | NA | NA | <10 | NA | NA | 2.2 | <20 | <20 | 6.8 | 2.6 | 0.89 | <5 | 0.71 |
| MW-12 | NA | NA | 13 | <10 | <10 | <5 | <5 | <25 | <25 | <25 | NA | <5 | <20 | <5 | <5 |
| MW-13S | NA | 10,000 | 2,100 | 10,000 | 760 | 870 | 410 | NA | NA | 17,000 | 1,300 | 1,700 | 4,400 | 220 | 570 |
| MW-16S | NA | 860,000 | 200,000 | 420,000 | 400,000 | 480,000 | 440,000 | 470,000 | 260,000 | 310,000 | 77,000 | 44,000 | 94,000 | 86,000 | 130,000 |

**Notes:**
NA - Not Analyzed
DPE Remediation System started on May 14, 2004.
NS - Not sampled

[1] - Considered baseline sampling event for MW-2, MW-3, MW-6, and MW-10.

[2] - Considered baseline sampling event for MW-13S and MW-16S.

[3] - Considered baseline sampling event for MW-4 and MW-12.

[4] - DPE system operational.

[5] - Considered baseline sampling event for MW-11 (TCE = 10 µg/L).

[6] - TCE concentration reduction between previous samping event and October 2009 sampling events for each monitoring well sampled.

[7] - TCE concentration reduction between baseline sampling event and October 2009 sampling event for each monitoring well.

**Table 4**
**Summary of Historical and Current Trichloroethene Concentrations**
**Former Scott Aviation Facility**
**Lancaster, New York**

| | TCE Concentration (µg/L) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well ID | Jan 2008[4] | Apr 2008[4] | Jul 2008[4] | Oct 2008[4] | Jan 2009[4] | Apr 2009[4] | Jul 2009 | Oct 2009 | Jan 2010 | | | | | TCE Reduction[6] (%) | TCE Reduction[7] (%) |
| MW-2 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | Never Detected | Never Detected |
| MW-3 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | Only one detection in Oct 2007 | Only one detection in Oct 2007 |
| MW-4 | 9,200 | 5,800 | 500 | 6,300 | 19,000 | 4,100 | 2,300 | NS | | | | | | Not Sampled | Not Sampled |
| MW-6 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | Only one detection in Oct 2007 | Only one detection in Oct 2007 |
| MW-8R | 38,000 | 12,000 | 7,400 | 22,000 | 8,400 | 13,000 | NS | 1,400 | | | | | | 89 | 96 |
| MW-10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | Never Detected | Never Detected |
| MW- 11 | 1.1 | 0.49 | 1 | 0.81 | 0.77 | 0.95 | 0.69 | 0.97 | | | | | | Slight Increase | 90 |
| MW-12 | <5 | <5 | <5 | <5 | NA | <5 | <5 | <5 | | | | | | Not Detected | Not Detected |
| MW-13S | 1,800 | 580 | 1,800 | 5,800 | 3,400 | 3,400 | NS | 400 | | | | | | 88 | 96 |
| MW-16S | 67,000 | 76,000 | 58,000 | 63,000 | 92,000 | 130,000 | 87,000 | NS | | | | | | Not Sampled | Not Sampled |

**Notes:**
NA - Not Analyzed
DPE Remediation System started on May 14, 2004.
NS - Not sampled

[1] - Considered baseline sampling event for MW-2, MW-3, MW-6, and MW-10.

[2] - Considered baseline sampling event for MW-13S and MW-16S.

[3] - Considered baseline sampling event for MW-4 and MW-12.

[4] - DPE system operational.

[5] - Considered baseline sampling event for MW-11 (TCE = 10 µg/L).

[6] - TCE concentration reduction between previous samping event and October 2009 sampling events for each monitoring well sampled.

[7] - TCE concentration reduction between baseline sampling event and October 2009 sampling event for each monitoring well.

**Table 5**
**Vapor Monitoring Results - October 2009**
**Former Scott Aviation Facility**
**Lancaster, New York**

| | Sample ID: | LRP Effluent | AS Effluent |
|---|---|---|---|
| | Sample Date: | 10/12/2009 | 10/12/2009 |
| **VOCs by Method TO-14A (µg/m$^3$)** | | | |
| Vinyl Chloride | | 4,300 | 23 |
| 1,1,1-Trichloroethane | | 1,900 | 11 |
| Chloroethane | | 592 U | 50 |
| 1,1-Dichloroethene | | 710 | 10.0 U |
| 1,1-Dichloroethane | | 2,300 | 25 |
| cis-1,2-Dichloroethene | | 95,000 | 1200 |
| Trichloroethene | | 100,000 | 400 |
| Total Detected VOCs (µg/m$^3$) | | 204,210 | 1,709 |
| Vacuum (inches Hg)* | | 26 | 0.29 |
| Air Flow Rate (acfm)* | | 91 | 293 |
| VOC discharge loading (lb/hr) | | 0.0695 | 0.0019 |
| **Total VOC discharge loading (lb/hr)** | | **0.071** | |

**Notes:**
* The LRP flow rate used for the calculation was recorded during the sampling activity (67 scfm, 26 in. Hg) on October 12, 2009.
The air stripper vacuum measured on that day was 4 inches $H_2O$ and the flow rate was 305 scfm.

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

**Qualifiers:**
U - Not detected at or above reporting limit (reporting limit not included in the Total Detected VOCs).

# APPENDIX A

# FIELD FORMS

# AECOM

# GROUNDWATER SAMPLING LOG

| | | | |
|---|---|---|---|
| Date (mo/day/yr) | 10/12/2009 | Casing Diameter | 2 inches |
| Field Personnel | DLZ | Casing Material | PVC |
| Site Name | **Former Scott Aviation Site - Lancaster, NY** | Measuring Point Elevation | 690.35 1/100 ft |
| Earth Tech Job # | **71149** | Height of Riser (above land surface) | 1/100 ft |
| Well ID # | MW-2 | Land Surface Elevation | 1/100 ft |
| | Upgradient ____ Downgradient | Screened Interval (below land surface) | 7-17 1/100 ft |
| Weather Conditions | Cloudy | | |
| Air Temperature | 35°F | | |
| Total Depth (TWD) Below Top of Casing = | 17 1/100 ft | | |
| Depth to Groundwater (DGW) Below Top of Casing = | 5.35 1/100 ft | | |
| Length of Water Column (LWC) = TWD - DGW = | 11.65 1/100 ft | | |
| 1 Casing Volume (OCV) = LWC x | 0.163 = 1.90 gal | | |
| 3 Casing Volumes = | 5.70 gal | | |
| Method of Well Evacuation | Peristaltic Pump | | |
| Method of Sample Collection | Peristaltic Pump/Poly Tubing | | |
| Total Volume of Water Removed | 3.5 liter | | |

| Container | Analysis (Method) | # Bottles | Preservative | Dup |
|---|---|---|---|---|
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | |
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**FIELD ANALYSES**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow Rate (ml/min) | 200 | 250 | 125 | 100 | 100 | 100 | 100 | 100 |
| Time (Minutes) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| Depth to Groundwater Below Top of Casing (ft) | 6.54 | 7.50 | 7.8 | 8.05 | 8.25 | 8.45 | 8.6 | 8.81 |
| Drawdown (ft) | -1.19 | -0.96 | -0.30 | -0.25 | -0.20 | -0.20 | -0.15 | -0.21 |
| pH (S.U.) | 6.64 | 6.58 | 6.60 | 6.61 | 6.60 | 6.61 | 6.61 | 6.61 |
| Sp. Cond. (mS/cm) | 1.613 | 1.601 | 1.592 | 1.583 | 1.566 | 1.538 | 1.502 | 1.498 |
| Turbidity (NTUs) | 5.71 | 3.54 | 4.21 | 3.12 | 6.11 | 4.68 | 5.69 | 5.86 |
| Dissolved Oxygen (mg/L) | 53.69 | 45.02 | 28 | 15.24 | 9.56 | 8.99 | 8.69 | 8.61 |
| Water Temperature (°C) | 13.45 | 13.3 | 13.32 | 13.35 | 13.21 | 13.37 | 13.55 | 13.63 |
| ORP (mV) | -85.4 | -81.2 | -82 | -83 | -85.3 | -88.5 | -91.1 | -93.4 |

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

COMMENTS/OBSERVATIONS: Tubing set at mid-point of screen. Samples collected at 12:00hrs.

AECOM

# GROUNDWATER SAMPLING LOG

| | | | |
|---|---|---|---|
| Date (mo/day/yr) | 10/12/2009 | Casing Diameter | 2 inches |
| Field Personnel | DLZ | Casing Material | PVC |
| Site Name | **Former Scott Aviation Site - Lancaster, NY** | Measuring Point Elevation | 687.72 1/100 ft |
| Earth Tech Job # | **71149** | Height of Riser (above land surface) | 1/100 ft |
| Well ID # | MW-3 | Land Surface Elevation | 1/100 ft |
| | Upgradient ____ Downgradient | Screened Interval (below land surface) | 7.5 - 27.5 1/100 ft |
| Weather Conditions | Cloudy | | |
| Air Temperature | 45°F | | |
| Total Depth (TWD) Below Top of Casing = | 28 1/100 ft | | |
| Depth to Groundwater (DGW) Below Top of Casing = | 6.2 1/100 ft | | |
| Length of Water Column (LWC) = TWD - DGW = | 21.8 1/100 ft | | |
| 1 Casing Volume (OCV) = LWC x | 0.163 = 3.55 gal | | |
| 3 Casing Volumes = | 10.66 gal | | |
| Method of Well Evacuation | Peristaltic Pump | | |
| Method of Sample Collection | Peristaltic Pump/Poly Tubing | | |
| Total Volume of Water Removed | liter | | |

| Container | Analysis (Method) | # Bottles | Preservative | Dup |
|---|---|---|---|---|
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | |
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**FIELD ANALYSES**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow Rate (ml/min) | 250 | 200 | 150 | 150 | 150 | 150 | 150 | 150 |
| Time (Minutes) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| Depth to Groundwater Below Top of Casing (ft) | 7.24 | 7.58 | 8.35 | 8.60 | 8.9 | 9.17 | 9.46 | 9.72 |
| Drawdown (ft) | -1.04 | -0.34 | -0.77 | -0.25 | -0.30 | -0.27 | -0.29 | -0.26 |
| pH (S.U.) | 7.03 | 6.98 | 6.97 | 6.97 | 6.98 | 6.97 | 6.98 | 6.97 |
| Sp. Cond. (mS/cm) | 1.03 | 1.03 | 1.028 | 1.028 | 1.027 | 1.02 | 1.015 | 1.013 |
| Turbidity (NTUs) | 4.3 | 3.83 | 3.79 | 2.53 | 2.59 | 2.38 | 2.26 | 2.14 |
| Dissolved Oxygen (mg/L) | 307 | 73.2 | 24.6 | 20.62 | 13.06 | 12.08 | 11.9 | 11.52 |
| Water Temperature (°C) | 12.86 | 13.1 | 12.93 | 12.98 | 12.93 | 12.66 | 12.62 | 12.66 |
| ORP (mV) | -28 | -29.6 | -38.1 | -40.3 | -45.6 | -49.7 | -50.4 | -50.4 |

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

COMMENTS/OBSERVATIONS: Tubing set at mid-point of screen. Samples collected at 14:45hrs.

AECOM

# GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/12/2009
Field Personnel: DLZ
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Earth Tech Job #: **71149**
Well ID #: MW-6
Upgradient ____ Downgradient ____
Weather Conditions: Overcast
Air Temperature: 45t°F

Total Depth (TWD) Below Top of Casing = 25 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.12 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 15.88 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.59 gal
3 Casing Volumes = 7.77 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: ____ lit

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 686.68 1/100 ft
Height of Riser (above land surface): ____ 1/100 ft
Land Surface Elevation: ____ 1/100 ft
Screened Interval (below land surface): 14.5 - 24.5 1/100 ft

| Container | Analysis (Method) | # Bottles | Preservative | Dup |
|---|---|---|---|---|
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | |
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**FIELD ANALYSES**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow Rate (ml/min) | 150 | 150 | 150 | 100 | 100 | 100 | 100 | 100 |
| Time (Minutes) | 5 (10:40) | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| Depth to Groundwater Below Top of Casing (ft) | 9.80 | 10.67 | 11.20 | 11.75 | 11.76 | 11.6 | 11.61 | 11.59 |
| Drawdown (ft) | -0.68 | -0.87 | -0.53 | -0.55 | -0.01 | 0.16 | -0.01 | 0.02 |
| pH (S.U.) | 9.57 | 9.1 | 8.59 | 8.12 | 7.92 | 7.78 | 7.74 | 7.69 |
| Sp. Cond. (mS/cm) | 0.236 | 0.355 | 0.456 | 0.605 | 0.673 | 0.734 | 0.743 | 0.753 |
| Turbidity (NTUs) | 27 | 24.4 | 25.3 | 13.7 | 10.76 | 10.49 | 6.1 | 5.68 |
| Dissolved Oxygen (mg/L) | 11.96 | 10.17 | 9.56 | 8.62 | 7.85 | 7.44 | 7.3 | 7.49 |
| Water Temperature (°C) | 13.79 | 13.72 | 13.7 | 13.49 | 13.33 | 13.26 | 13.27 | 13.24 |
| ORP (mV) | -0.2 | 1.9 | 2.2 | -4 | -17.2 | -26.7 | -30.9 | -38.3 |

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

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

COMMENTS/OBSERVATIONS: Tubing set at mid-point of screen. Samples collected at hrs. 11:15hrs

# AECOM

# GROUNDWATER SAMPLING LOG

| | | | |
|---|---|---|---|
| Date (mo/day/yr) | 10/12/09 | Casing Diameter | 4 inches |
| Field Personnel | DLZ | Casing Material | PVC |
| Site Name | **Former Scott Aviation Site - Lancaster, NY** | Measuring Point Elevation | 685.67 1/100 ft |
| Earth Tech Job # | **71149** | Height of Riser (above land surface) | 1/100 ft |
| Well ID # | MW-8R | Land Surface Elevation | 1/100 ft |
| | Upgradient ____ Downgradient | Screened Interval (below land surface) | 14 - 24 1/100 ft |
| Weather Conditions | cloudy | | |
| Air Temperature | 50° F | | |
| Total Depth (TWD) Below Top of Casing = | 27.5 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 | 7 liter | | |

| Container | Analysis (Method) | # Bottles | Preservative | Dup |
|---|---|---|---|---|
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | |
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | Dup |
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**FIELD ANALYSES**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow Rate (ml/min) | 150 | 150 | 150 | 150 | 150 | 125 | 125 | 125 |
| Time (Minutes) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| Depth to Groundwater Below Top of Casing (ft) | 13.1 | 13.22 | 13.6 | 14.08 | 14.26 | 14.45 | 14.5 | 14.62 |
| Drawdown (ft) | -0.6 | -0.12 | -0.38 | -0.48 | -0.18 | -0.19 | -0.05 | -0.12 |
| pH (S.U.) | 6.93 | 6.9 | 6.89 | 6.9 | 6.89 | 6.89 | 6.89 | 6.89 |
| Sp. Cond. (mS/cm) | 0.652 | 0.653 | 0.653 | 0.652 | 0.652 | 0.652 | 0.652 | 0.652 |
| Turbidity (NTUs) | 344 | 294 | 213 | 155 | 125 | 78 | 54 | 49 |
| Dissolved Oxygen (mg/L) | 6.88 | 7.16 | 7.38 | 7.72 | 7.64 | 7.73 | 7.75 | 7.81 |
| Water Temperature (°C) | 12.42 | 12.41 | 12.49 | 12.43 | 12.33 | 12.26 | 12.43 | 12.41 |
| ORP (mV) | -10.4 | -10.4 | -10.4 | -10.4 | -10.4 | -10.1 | -10.1 | -10 |

| | | | | | |
|---|---|---|---|---|---|
| Physical appearance at start | Color | clear, with iron bacteria | Physical appearance at sampling | Color | clear, with of iron bacteria |
| | Odor | yes | | Odor | yes |
| Sheen/Free Product | | no | Sheen/Free Product | | no |

COMMENTS/OBSERVATIONS Tubing set at mid-point of screen. Samples collected at 13:00hrs.

AECOM

# GROUNDWATER SAMPLING LOG

| | | | |
|---|---|---|---|
| Date (mo/day/yr) | 10/13/09 | Casing Diameter | 2 inches |
| Field Personnel | DLZ | Casing Material | PVC |
| Site Name | **Former Scott Aviation Site - Lancaster, NY** | Measuring Point Elevation | 687.72 1/100 ft |
| Earth Tech Job # | **71149** | Height of Riser (above land surface) | 1/100 ft |
| Well ID # | MW-10 | Land Surface Elevation | 1/100 ft |
| | Upgradient ____ Downgradient | Screened Interval (below land surface) | 3.5 - 23.5 1/100 ft |
| Weather Conditions | Overcast | | |
| Air Temperature | 45°F | | |
| Total Depth (TWD) Below Top of Casing = | 24 1/100 ft | | |
| Depth to Groundwater (DGW) Below Top of Casing = | 7.9 1/100 ft | | |
| Length of Water Column (LWC) = TWD - DGW = | 16.1 1/100 ft | | |
| 1 Casing Volume (OCV) = LWC x | 0.163 = 2.19 gal | | |
| 3 Casing Volumes = | 6.57 gal | | |
| Method of Well Evacuation | Peristaltic Pump | | |
| Method of Sample Collection | Peristaltic Pump/Poly Tubing | | |
| Total Volume of Water Removed | 5.5 lit | | |

| Container | Analysis (Method) | # Bottles | Preservative | Dup |
|---|---|---|---|---|
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | |
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**FIELD ANALYSES**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow Rate (ml/min) | 250 | 150 | 150 | 150 | 150 | 150 | 150 | |
| Time (Minutes) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | |
| Depth to Groundwater Below Top of Casing (ft) | 8.79 | 9.05 | 9.24 | 9.33 | 9.48 | 9.49 | 9.5 | |
| Drawdown (ft) | -0.89 | -0.26 | -0.19 | -0.09 | -0.15 | -0.01 | -0.01 | |
| pH (S.U.) | 6.74 | 6.73 | 6.74 | 6.72 | 6.71 | 6.7 | 6.7 | |
| Sp. Cond. (mS/cm) | 2.061 | 2.053 | 2.050 | 2.05 | 2.049 | 2.049 | 2.048 | |
| Turbidity (NTUs) | 9.81 | 8.54 | 6.7 | 5.3 | 4.78 | 4.88 | 3.87 | |
| Dissolved Oxygen (mg/L) | 34.56 | 15.16 | 13..25 | 12.02 | 10.94 | 10.73 | 10.31 | |
| Water Temperature (°C) | 14.01 | 13.99 | 13.93 | 13.91 | 13.86 | 13.86 | 13.86 | |
| ORP (mV) | 2.3 | 4.2 | 6.1 | 7.3 | 8 | 8.3 | 9.2 | |

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: Tubing set at mid-point of screen. Samples collected at 10:35hrs.

# AECOM

# GROUNDWATER SAMPLING LOG

| | | | |
|---|---|---|---|
| Date (mo/day/yr) | 10/12/09 | Casing Diameter | 2 inches |
| Field Personnel | DLZ | Casing Material | PVC |
| Site Name | **Former Scott Aviation Site - Lancaster, NY** | Measuring Point Elevation | 688.61 1/100 ft |
| Earth Tech Job # | **71149** | Height of Riser (above land surface) | 1/100 ft |
| Well ID # | MW-11 | Land Surface Elevation | 1/100 ft |
| | Upgradient / Downgradient | Screened Interval (below land surface) | 8.5 - 28.5 1/100 ft |
| Weather Conditions | Cloudy, lt. rain | | |
| Air Temperature | 45°F | | |
| Total Depth (TWD) Below Top of Casing = | 28.5 1/100 ft | | |
| Depth to Groundwater (DGW) Below Top of Casing = | 12.9 1/100 ft | | |
| Length of Water Column (LWC) = TWD - DGW = | 15.6 1/100 ft | | |
| 1 Casing Volume (OCV) = LWC x | 0.163 = 2.54 gal | | |
| 3 Casing Volumes = | 7.63 gal | | |
| Method of Well Evacuation | Peristaltic Pump | | |
| Method of Sample Collection | Peristaltic Pump/Poly Tubing | | |
| Total Volume of Water Removed | 5.5 liter | | |

| Container | Analysis (Method) | # Bottles | Preservative | Dup |
|---|---|---|---|---|
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | |
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**FIELD ANALYSES**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow Rate (ml/min) | 250 | 200 | 200 | 175 | 175 | 175 | | |
| Time (Minutes) | 5 | 10 | 15 | 20 | 25 | 30 | | |
| Depth to Groundwater Below Top of Casing (ft) | 13.5 | 14.21 | 14.45 | 14.54 | 14.61 | 14.67 | | |
| Drawdown (ft) | -0.6 | -0.71 | -0.24 | -0.09 | -0.07 | -0.06 | | |
| pH (S.U.) | 6.66 | 6.65 | 6.63 | 6.63 | 6.63 | 6.63 | | |
| Sp. Cond. (mS/cm) | 2.835 | 2.856 | 2.896 | 2.878 | 2.852 | 2.847 | | |
| Turbidity (NTUs) | 3.4 | 2.92 | 1.73 | 1.7 | 1.68 | 1.87 | | |
| Dissolved Oxygen (mg/L) | 116.8 | 67.35 | 37.02 | 13.70 | 11.19 | Oct-78 | | |
| Water Temperature (°C) | 13.62 | 13.69 | 13.84 | 13.73 | 13.68 | 13.68 | | |
| ORP (mV) | -36.7 | -37.9 | -40 | -40.1 | -40.5 | -40.7 | | |

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

COMMENTS/OBSERVATIONS Tubing set at mid-point of screen. Samples collected at 09:30hrs.

# AECOM

# GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/12/09
Field Personnel: DLZ
Site Name: **Former Scott Aviation Site - Lancaster, NY**
Earth Tech Job #: **71149**
Well ID #: MW-12
Upgradient ____ Downgradient ____
Weather Conditions: Cloudy
Air Temperature: 40°F
Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 5.5 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 22 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 3.59 gal
3 Casing Volumes = 10.76 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump/Poly Tubing
Total Volume of Water Removed: ____ liter

Casing Diameter: 4 inches
Casing Material: PVC
Measuring Point Elevation: 685.79 1/100 ft
Height of Riser (above land surface): ____ 1/100 ft
Land Surface Elevation: ____ 1/100 ft
Screened Interval (below land surface): 7 - 27 1/100 ft

| Container | Analysis (Method) | # Bottles | Preservative | Dup |
|---|---|---|---|---|
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | |
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**FIELD ANALYSES**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow Rate (ml/min) | 250 | 200 | 150 | 125 | 125 | 125 | 125 | 125 |
| Time (Minutes) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| Depth to Groundwater Below Top of Casing (ft) | 6.5 | 7.25 | 7.34 | 7.35 | 7.35 | 7.35 | 7.35 | 7.35 |
| Drawdown (ft) | -1 | -0.75 | -0.09 | -0.01 | 0 | 0 | 0 | 0 |
| pH (S.U.) | 6.7 | 6.69 | 6.7 | 6.7 | 6.69 | 6.69 | 6.7 | 6.7 |
| Sp. Cond. (mS/cm) | 1.361 | 1.265 | 1.367 | 1.367 | 1.369 | 1.369 | 1.37 | 1.37 |
| Turbidity (NTUs) | 9.97 | 9.29 | 8.93 | 8.7 | 8.49 | 8.41 | 8.4 | 8.58 |
| Dissolved Oxygen (mg/L) | 10.62 | 9.29 | 8.93 | 8.7 | 8.49 | 8.41 | 8.4 | 8.58 |
| Water Temperature (°C) | 13.47 | 13.52 | 13.6 | 13.71 | 13.77 | 13.78 | 13.79 | 13.78 |
| ORP (mV) | -72.2 | -76.2 | -76.6 | -77.8 | -79.8 | -79.9 | -80.2 | -80.2 |

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

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

COMMENTS/OBSERVATIONS: Tubing set at mid-point of screen. Samples collected at 16:00hrs.

# AECOM

# GROUNDWATER SAMPLING LOG

| | | | |
|---|---|---|---|
| Date (mo/day/yr) | 10/12/2009 | Casing Diameter | 1 inches |
| Field Personnel | DLZ | Casing Material | PVC |
| Site Name | **Former Scott Aviation Site - Lancaster, NY** | Measuring Point Elevation | 1/100 ft |
| Earth Tech Job # | **71149** | Height of Riser (above land surface) | 1/100 ft |
| Well ID # | MW-13S | Land Surface Elevation | 1/100 ft |
| Upgradient | Downgradient | Screened Interval (below land surface) | 8.5-16.5 1/100 ft |
| Weather Conditions | cloudy | | |
| Air Temperature | 55° F | | |
| Total Depth (TWD) Below Top of Casing = | 16.5 1/100 ft | | |
| Depth to Groundwater (DGW) Below Top of Casing = | 7.68 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 | | |

| Container | Analysis (Method) | # Bottles | Preservative | Dup |
|---|---|---|---|---|
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | |
| VOA 40 mL glass | TCL VOCs (8260B) | 2 | HCL, 4°C | Duplicate |
| | | | | |
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**FIELD ANALYSES**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow Rate (ml/min) | 200 | 150 | 150 | 150 | 150 | 150 | 150 | |
| Time (Minutes) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | |
| Depth to Groundwater Below Top of Casing (ft) | 8.48 | 8.63 | 8.74 | 8.89 | 8.99 | 9.05 | 9.06 | |
| Drawdown (ft) | -0.8 | -0.15 | -0.11 | -0.15 | -0.1 | -0.06 | -0.01 | |
| pH (S.U.) | 6.91 | 6.86 | 6.85 | 6.83 | 6.84 | 6.84 | 6.84 | |
| Sp. Cond. (mS/cm) | 0.837 | 0.792 | 0.767 | 0.766 | 0.753 | 0.77 | 0.772 | |
| Turbidity (NTUs) | 6.32 | 1.71 | 0.78 | 0.89 | 0.79 | 0.61 | 0.29 | |
| Dissolved Oxygen (mg/L) | 5.71 | 5.92 | 6.66 | 6.8 | 6.89 | 6.94 | 6.84 | |
| Water Temperature (°C) | 13.31 | 13.34 | 13.52 | 13.56 | 13.44 | 13.47 | 13.43 | |
| ORP (mV) | -4.2 | -11.5 | -11.3 | -10.6 | -10.1 | -9.7 | -9.6 | |

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

COMMENTS/OBSERVATIONS Tubing set at mid-point of screen. Start purging at 14:15hrs. Samples collected at 15:00hrs.

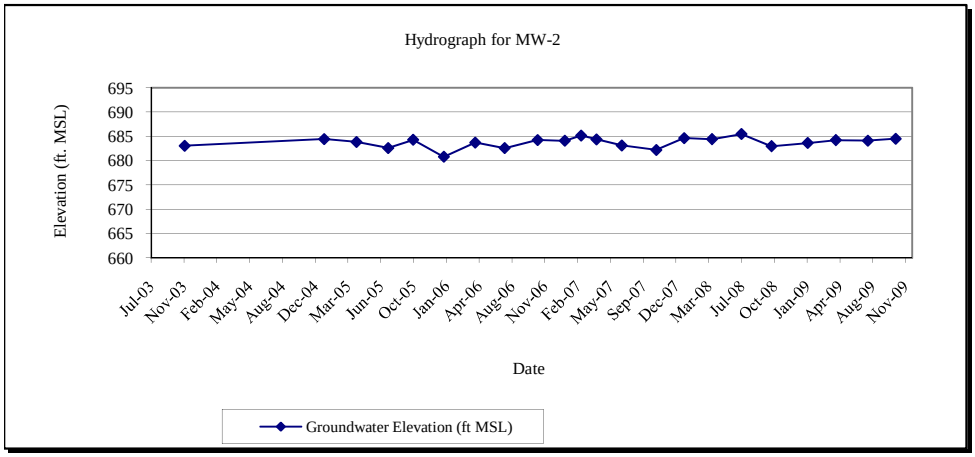
# APPENDIX B

# 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 | 4.9 | 685.45 |
| 9/30/2008 | 7.4 | 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 |

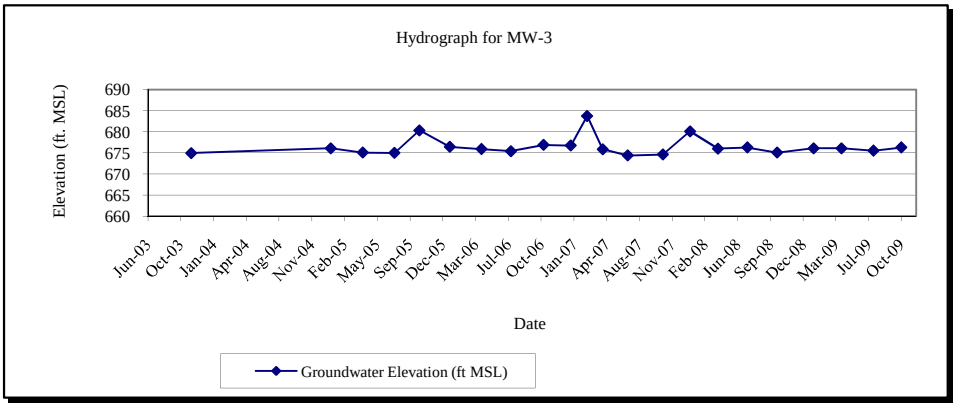
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 690.35
DPE and GWCT down on 2/28/07
DPE  down on 1/8/08
TOC Elevation as of 6/13/08 - 690.35



**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 |

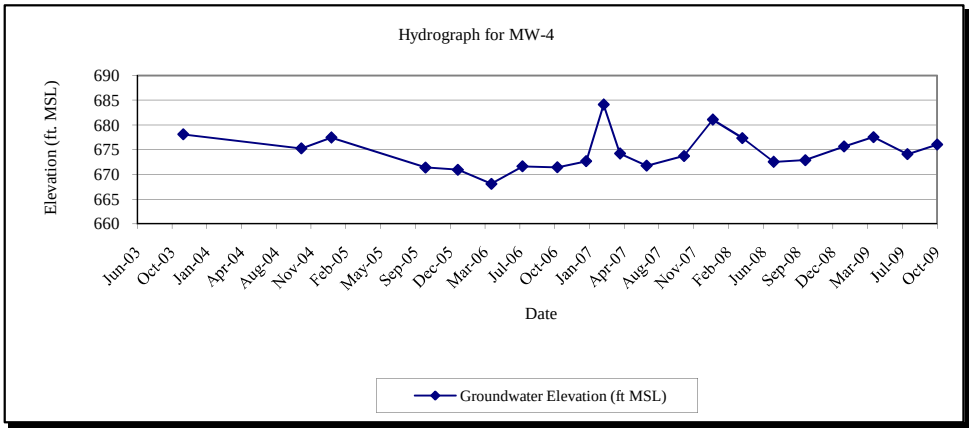
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.72
DPE and GWCT down on 2/28/07
DPE  down on 1/8/08
TOC Elevation as of 6/13/08 - 687.02



**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 |

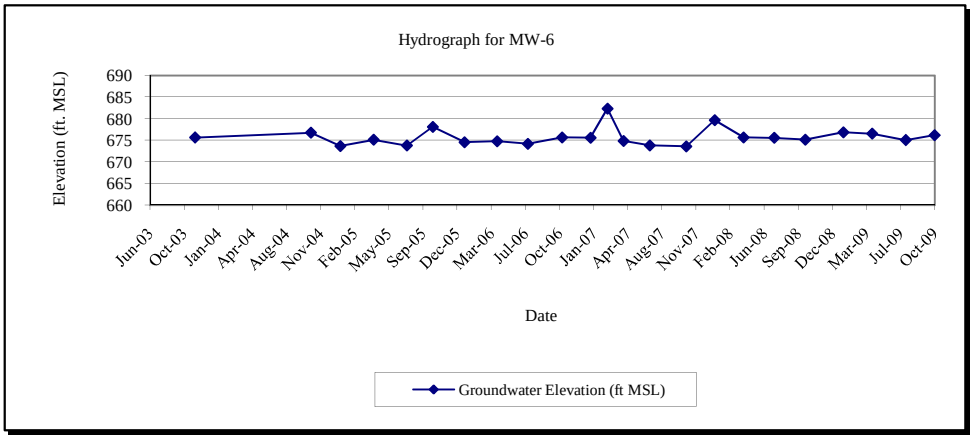
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.64
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 686.42



**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 |

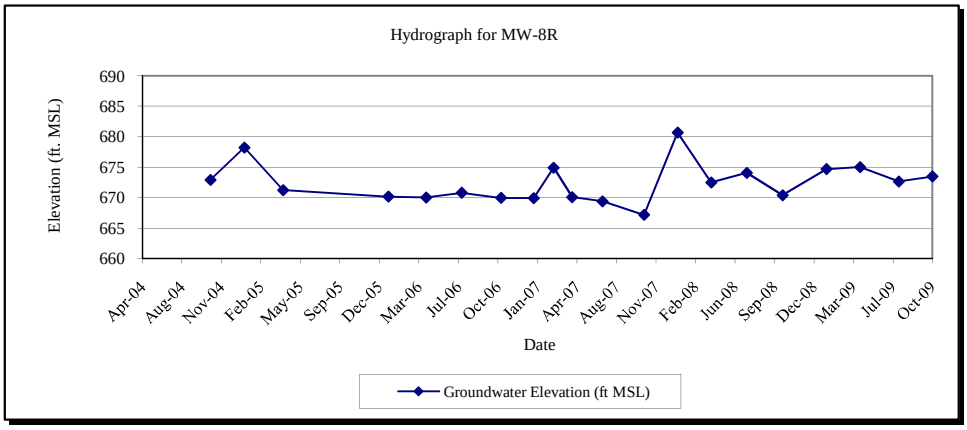
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.68
DPE and GWCT down on 2/28/07
DPE  down on 1/8/08
TOC Elevation as of 6/13/08 - 686.53



**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 |

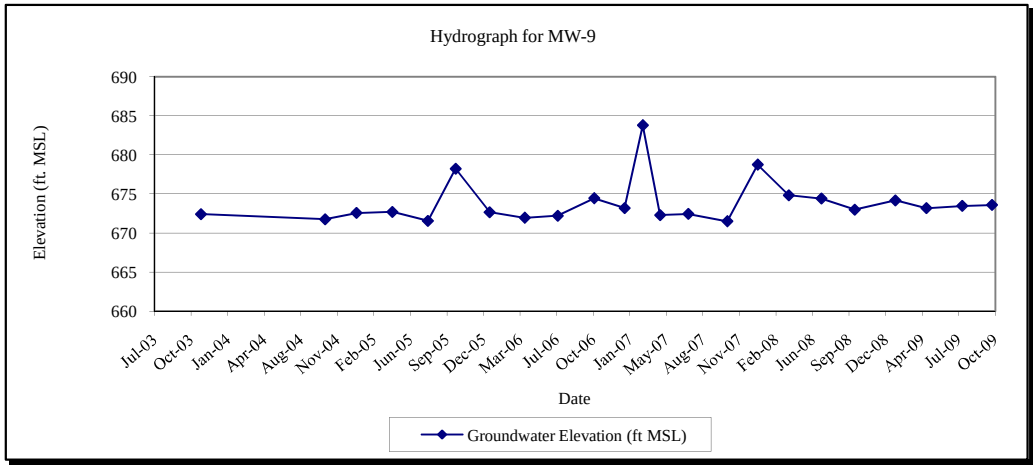
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.67
DPE and GWCT down on 2/28/07
DPE  down on 1/8/08
TOC Elevation as of 6/13/08 - 686.21



**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 |

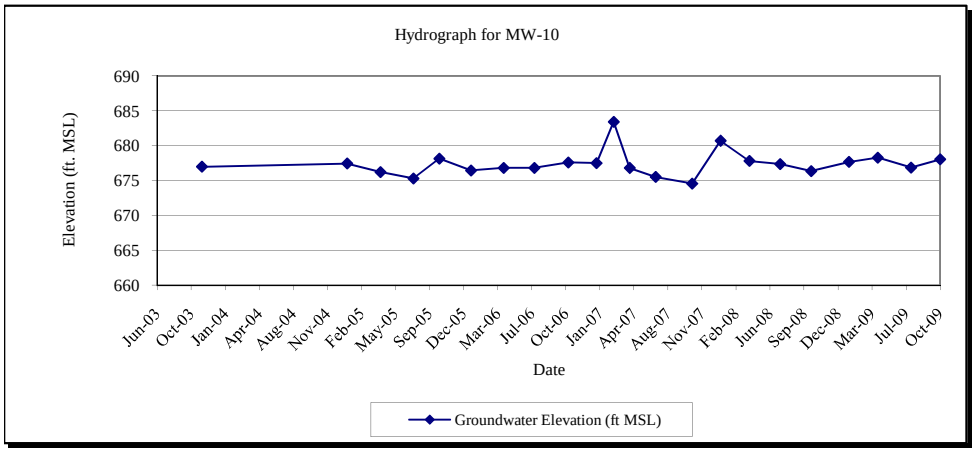
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.43
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 688.64



**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 |

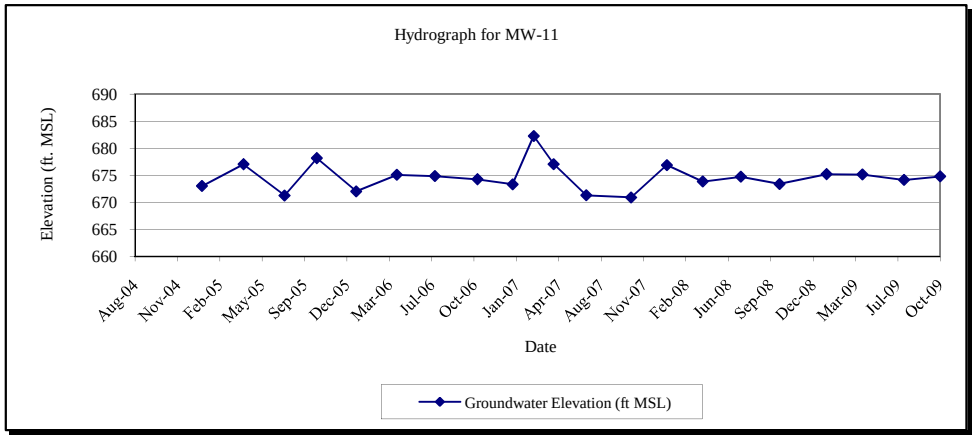
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.72
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 687.41



**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 | 673.4 |
| 1/19/2009 | 13.45 | 675.2 |
| 4/14/2009 | 13.50 | 675.15 |
| 7/21/2009 | 14.51 | 674.14 |
| 10/14/2009 | 13.85 | 674.80 |

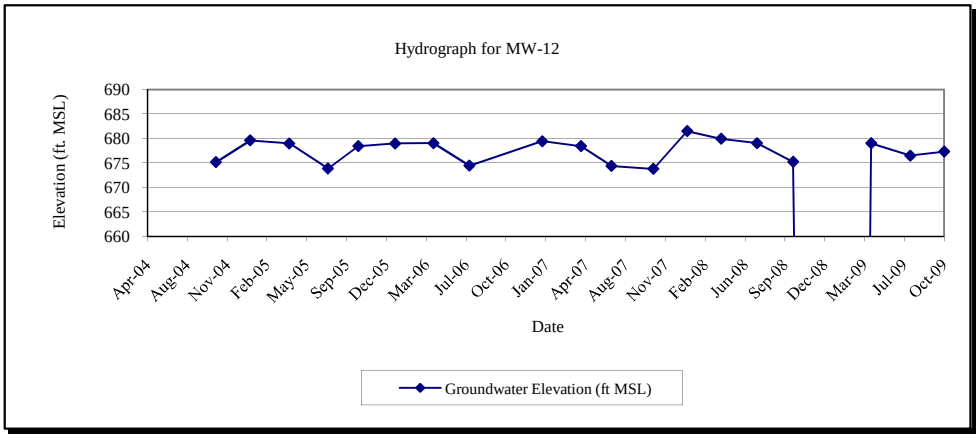
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 688.61
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 688.65



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

| Date | Depth to Water from TOC (ft) | Groundwater Elevation (ft MSL) |
|---|---|---|
| 4/8/2004 | NM | NA |
| 10/12/2004 | 10.64 | 675.15 |
| 1/6/2005 | 6.18 | 679.61 |
| 4/14/2005 | 6.80 | 678.99 |
| 7/20/2005 | 11.95 | 673.84 |
| 10/4/2005 | 7.36 | 678.43 |
| 1/5/2006 | 6.8 | 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 | 673.79 |
| 1/8/2008 | 4.31 | 681.48 |
| 4/2/2008 | 5.86 | 679.93 |
| 7/1/2008 | 7.1 | 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 |

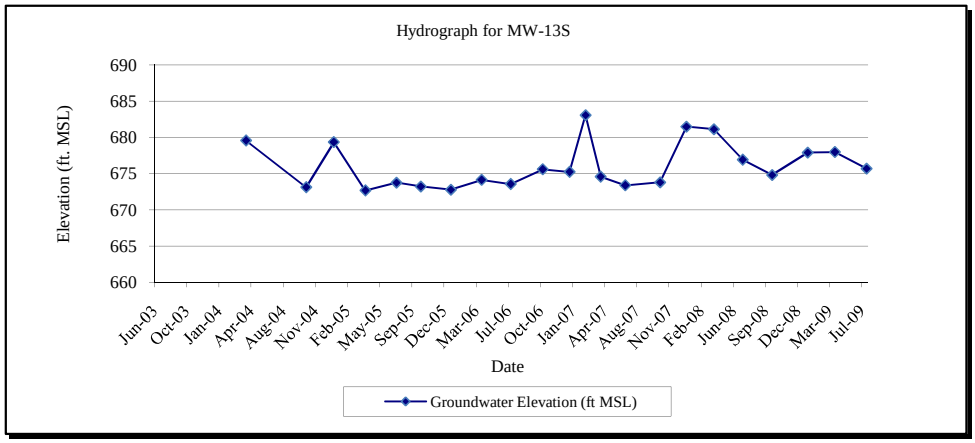
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.79
NM* - Well could not be located due to snow cover
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 686.14



**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 |

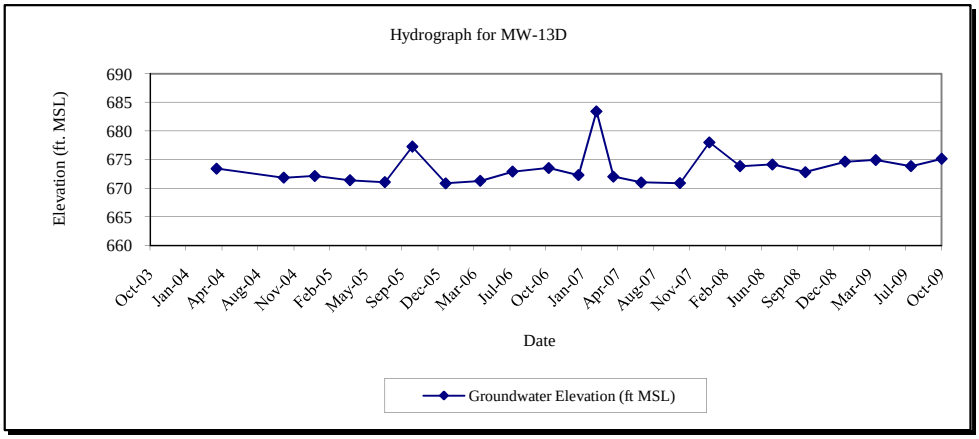
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.57
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 686.60



**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 | 15.8 | 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 | 12.1 | 674.63 |
| 4/14/2009 | 11.78 | 674.95 |
| 7/21/2009 | 12.86 | 673.87 |
| 10/14/2009 | 11.59 | 675.14 |

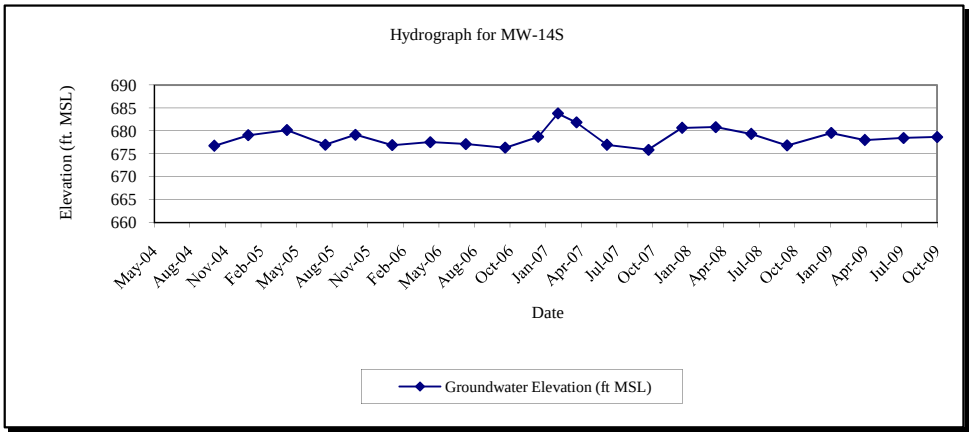
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.71
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 686.73



**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 | 676.9 |
| 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 | 678.7 |
| 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 | 8.9 | 676.8 |
| 1/19/2009 | 6.15 | 679.55 |
| 4/14/2009 | 7.7 | 678 |
| 7/21/2009 | 7.25 | 678.45 |
| 10/14/2009 | 7.05 | 678.65 |

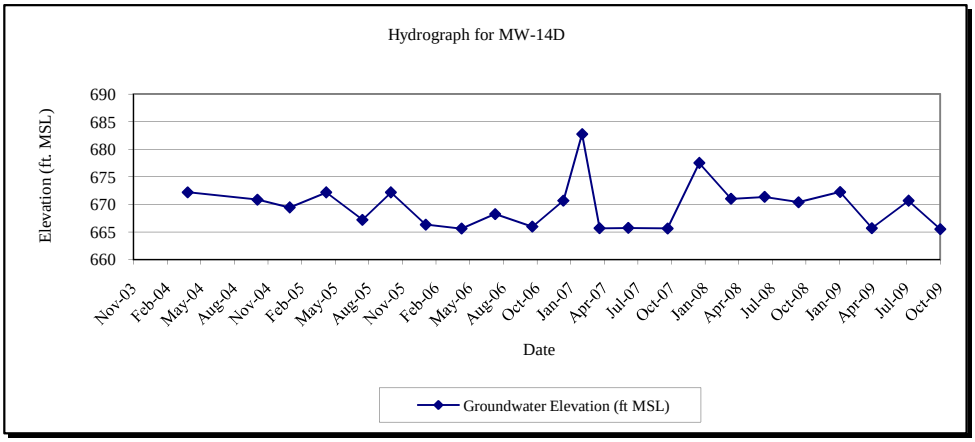
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.31
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 685.70



**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 |

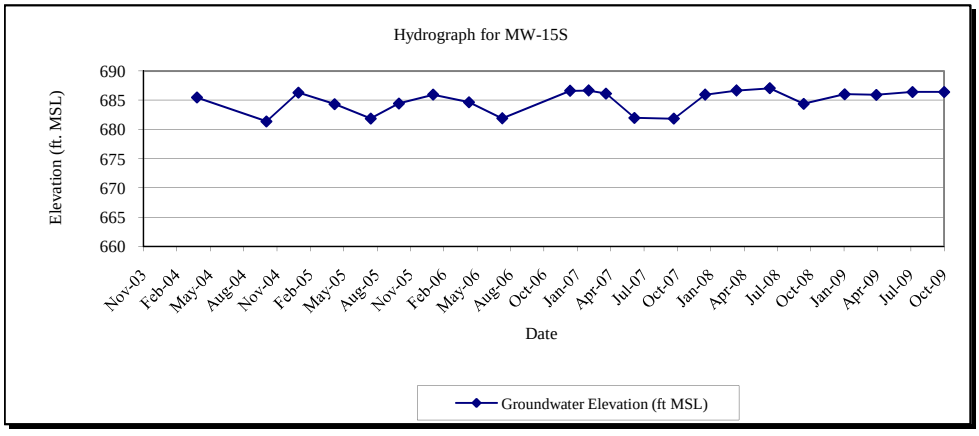
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.43
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 685.82



**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 | 4.8 | 681.84 |
| 1/8/2008 | 0.7 | 685.94 |
| 4/2/2008 | 0 | 686.64 |
| 7/1/2008 | 0.5 | 687.02 |
| 9/30/2008 | 3.14 | 684.38 |
| 1/19/2009 | 1.5 | 686.02 |
| 4/14/2009 | 1.6 | 685.92 |
| 7/21/2009 | 1.11 | 686.41 |
| 10/14/2009 | 1.11 | 686.41 |

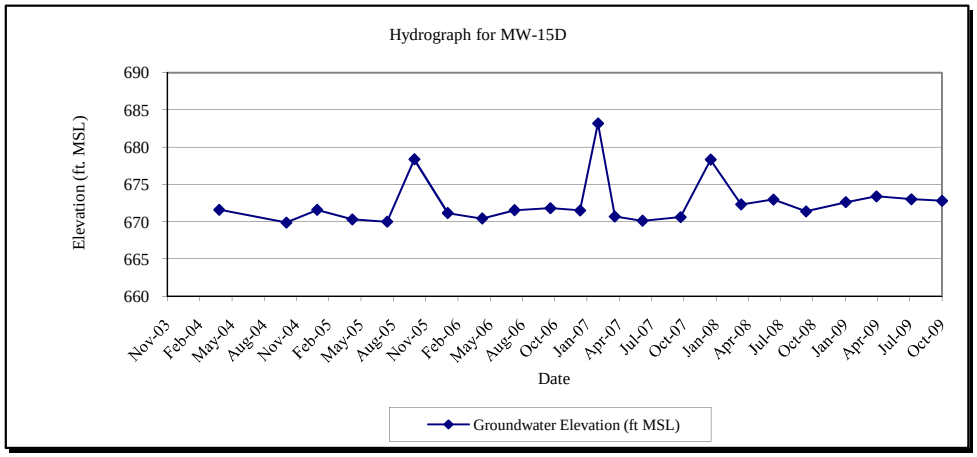
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.64'
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 687.52'



**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 |

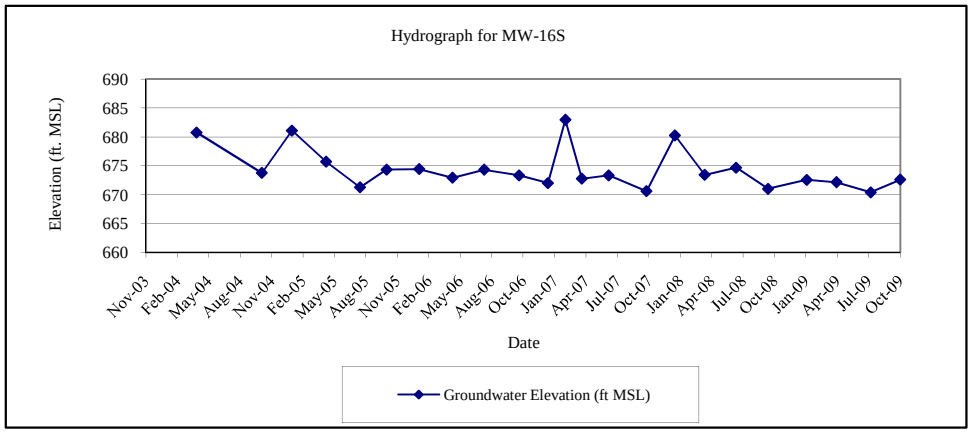
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 687.31'
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 687.62'



**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 |

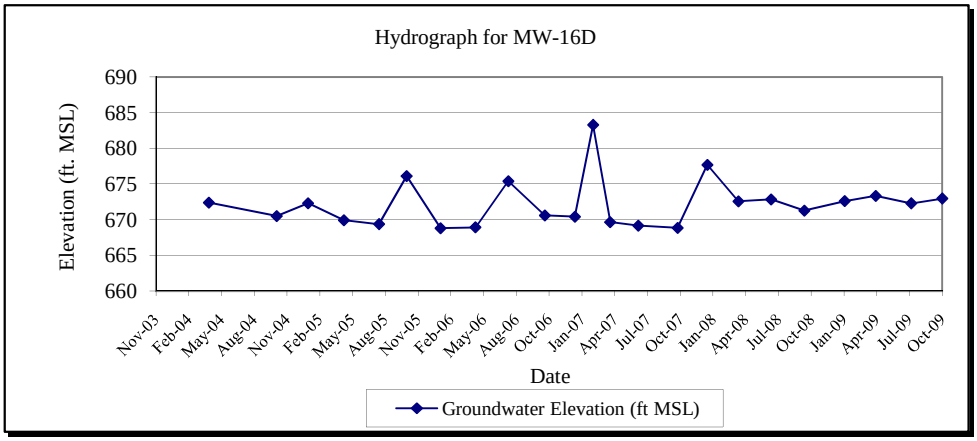
**NOTES:**
ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.84'
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 690.37'



**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 |

**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
TOC Elevation as of 6/13/08 - 690.55'



# APPENDIX C

# MW-5 WELL INSPECTION CHECKLIST

AECOM

**Well Inspection Checklist**

| | |
|---|---|
| **Site:** Former Scott Aviation Facility – West of Plant 2 | **Date:** October 13, 2009 |
| **Type:** Flush mount | |
| **Casing Height:** -0.3 ft bgs | |
| **Stickup Height:** not applicable | **Well Number:** MW-5 |
| **As-Built Well Depth:** 25 ft bgs | |
| **Stickup Material:** NA | |
| **Casing Diameter:** 2 in | **Stickup Diameter:** 2 in |
| **Casing Material:** PVC | |
| **Well Appearance:** Poor | **Inspector:** Dino Zack |

| **CONDITION** |
|---|
| Signs of Vandalism: No. Concrete pad, well cover, and top section of casing damaged by snow plow. |
| Cannot Locate: Well located in Quick Cut parking lot. |
| Locked / No Lock: No Lock Replaced: No |
| Inner Cap: Yes; but damaged |
| Protective Casing Loose: N/A |
| Concrete Pad: Damaged |
| Soil Erosion: N/A |
| Ponded Water: Evidence of ponded water. |
| Well Marked: No |
| Cannot Identify: Previously identified as "missing". Well appears to be MW-5 (per historical documents). |
| Depth to water from top of casing: 8.60 ft |
| Depth to bottom from ground surface: 19.8 ft |
| Bottom of well condition: Soft bottom (i.e. sediment) |
| Obstruction in well: No |
| PID reading: N/A |
| Active pump in well: No |
| Comments: Well was previously identified as missing. Based on historical documents, this well appears to be MW-5 (installed 10/27/92). Per field measurements, MW-5 is located 10 feet east and 4 feet north of MW-10. MW-5 has the same type of well cover as MW-4. Per historical documents, MW-5 is ND for site-specific RAO's.<br><br>Attached are a well location figure, well log, and two rounds of VOC data (10/30/92 and 11/17/92). |


Former Scott Aviation Facility
October 13, 2009
MW-5


Former Scott Aviation Facility
October 13, 2009
MW-5

**APPENDIX D**

**ANALYTICAL LABORATORY DATA – FOURTH QUARTER 2009**
**(Contained on Attached CD)**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# Analytical Report

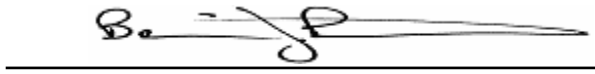
Work Order: RSJ0841

Project Description
Scott Aviation site

For:

Dino Zack

**AECOM - Amherst, NY**
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226



Brian Fischer

Project Manager
Brian.Fischer@testamericainc.com

Thursday, October 29, 2009

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

# TestAmerica Buffalo
# Current Certifications

**As of 1/27/2009**

| STATE | Program | Cert # / Lab ID |
|---|---|---|
| Arkansas | CWA, RCRA, SOIL | 88-0686 |
| California* | NELAP CWA, RCRA | 01169CA |
| Connecticut | SDWA, CWA, RCRA, SOIL | PH-0568 |
| Florida* | NELAP CWA, RCRA | E87672 |
| Georgia* | SDWA,NELAP CWA, RCRA | 956 |
| Illinois* | NELAP SDWA, CWA, RCRA | 200003 |
| Iowa | SW/CS | 374 |
| Kansas* | NELAP SDWA, CWA, RCRA | E-10187 |
| Kentucky | SDWA | 90029 |
| Kentucky UST | UST | 30 |
| Louisiana* | NELAP CWA, RCRA | 2031 |
| Maine | SDWA, CWA | NY0044 |
| Maryland | SDWA | 294 |
| Massachusetts | SDWA, CWA | M-NY044 |
| Michigan | SDWA | 9937 |
| Minnesota | SDWA,CWA, RCRA | 036-999-337 |
| New Hampshire* | NELAP SDWA, CWA | 233701 |
| New Jersey* | NELAP,SDWA, CWA, RCRA, | NY455 |
| New York* | NELAP, AIR, SDWA, CWA, RCRA,CLP | 10026 |
| Oklahoma | CWA, RCRA | 9421 |
| Pennsylvania* | NELAP CWA,RCRA | 68-00281 |
| Tennessee | SDWA | 02970 |
| Texas* | NELAP CWA, RCRA | T104704412-08-TX |
| USDA | FOREIGN SOIL PERMIT | S-41579 |
| USDOE | Department of Energy | DOECAP-STB |
| Virginia | SDWA | 278 |
| Washington* | NELAP CWA,RCRA | C1677 |
| Wisconsin | CWA, RCRA | 998310390 |
| West Virginia | CWA,RCRA | 252 |

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accre ditation is required or available. Any exceptions to NELAP requirements are noted in this report.

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

**CASE NARRATIVE**

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.



TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **D08** | Dilution required due to high concentration of target analyte(s) |
| **E** | Concentration exceeds the calibration range and therefore result is semi-quantitative. |
| **J** | Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated. |
| **NR** | Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit. |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Executive Summary - Detections

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-02 (DUPLICATE - Water)** | | | | | | **Sampled: 10/13/09 12:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | **0.83** | J | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **19** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | **12** | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Benzene | **1.0** | J | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Chloroethane | **30** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **1200** | E | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | **2.0** | J | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Trichloroethene | **980** | E | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **100** | E | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| **Sample ID: RSJ0841-02RE1 (DUPLICATE - Water)** | | | | | | **Sampled: 10/13/09 12:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1-Dichloroethane | **21** | D08,J | 100 | 7.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethene | **13** | D08,J | 100 | 5.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| cis-1,2-Dichloroethene | **1900** | D08 | 100 | 7.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Trichloroethene | **1500** | D08 | 100 | 9.2 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Vinyl chloride | **120** | D08 | 100 | 4.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| **Sample ID: RSJ0841-03 (MW-2 - Water)** | | | | | | **Sampled: 10/12/09 12:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| Acetone | **8.1** | J | 25 | 1.3 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Chloroethane | **13** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| **Sample ID: RSJ0841-04 (MW-3 - Water)** | | | | | | **Sampled: 10/12/09 14:45** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1-Dichloroethane | **10** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Chloroethane | **30** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **3.7** | J | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **45** | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| **Sample ID: RSJ0841-06 (MW-8R - Water)** | | | | | | **Sampled: 10/13/09 13:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | **0.91** | J | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **19** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | **12** | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Benzene | **0.98** | J | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Chloroethane | **30** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **1200** | E | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | **2.0** | J | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Trichloroethene | **1000** | E | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **100** | E | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| **Sample ID: RSJ0841-06RE1 (MW-8R - Water)** | | | | | | **Sampled: 10/13/09 13:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1-Dichloroethane | **20** | D08,J | 100 | 7.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethene | **12** | D08,J | 100 | 5.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Executive Summary - Detections

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-06RE1 (MW-8R - Water) - cont.** | | | | | | **Sampled: 10/13/09 13:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| cis-1,2-Dichloroethene | **1900** | D08 | 100 | 7.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Trichloroethene | **1400** | D08 | 100 | 9.2 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Vinyl chloride | **110** | D08 | 100 | 4.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| **Sample ID: RSJ0841-08 (MW-11 - Water)** | | | | | | **Sampled: 10/13/09 09:30** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | **2.3** | J | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **10** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | **1.5** | J | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Chloroethane | **45** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **46** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Trichloroethene | **0.97** | J | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **14** | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| **Sample ID: RSJ0841-09 (MW-12 - Water)** | | | | | | **Sampled: 10/12/09 16:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,2-Dichloroethane | **0.60** | J | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Chloroethane | **67** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **0.60** | J | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **5.4** | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| **Sample ID: RSJ0841-10 (MW-13S - Water)** | | | | | | **Sampled: 10/13/09 15:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | **14** | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **11** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | **4.7** | J | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Chloroethane | **1.6** | J | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **590** | E | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | **1.4** | J | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Trichloroethene | **390** | E | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **22** | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| **Sample ID: RSJ0841-10RE1 (MW-13S - Water)** | | | | | | **Sampled: 10/13/09 15:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | **12** | D08,J | 50 | 2.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethane | **11** | D08,J | 50 | 3.8 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| cis-1,2-Dichloroethene | **640** | D08 | 50 | 3.8 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Trichloroethene | **400** | D08 | 50 | 4.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Vinyl chloride | **22** | D08,J | 50 | 2.4 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Sample Summary

| Sample Identification | Lab Number | Client Matrix | Date/Time Sampled | Date/Time Received | Sample Qualifiers |
|---|---|---|---|---|---|
| FIELD BLANK | RSJ0841-01 | Water | 10/12/09 11:30 | 10/14/09 12:30 | |
| DUPLICATE | RSJ0841-02 | Water | 10/13/09 12:00 | 10/14/09 12:30 | |
| MW-2 | RSJ0841-03 | Water | 10/12/09 12:00 | 10/14/09 12:30 | |
| MW-3 | RSJ0841-04 | Water | 10/12/09 14:45 | 10/14/09 12:30 | |
| MW-6 | RSJ0841-05 | Water | 10/13/09 11:15 | 10/14/09 12:30 | |
| MW-8R | RSJ0841-06 | Water | 10/13/09 13:00 | 10/14/09 12:30 | |
| MW-10 | RSJ0841-07 | Water | 10/13/09 10:35 | 10/14/09 12:30 | |
| MW-11 | RSJ0841-08 | Water | 10/13/09 09:30 | 10/14/09 12:30 | |
| MW-12 | RSJ0841-09 | Water | 10/12/09 16:00 | 10/14/09 12:30 | |
| MW-13S | RSJ0841-10 | Water | 10/13/09 15:00 | 10/14/09 12:30 | |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

**Sample ID: RSJ0841-01 (FIELD BLANK - Water)** **Sampled: 10/12/09 11:30** **Recvd: 10/14/09 12:30**

**Volatile Organic Compounds by EPA 8260B**

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Benzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Chloroethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Trichloroethene | ND | | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| Vinyl chloride | ND | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-01 (FIELD BLANK - Water) - cont.** | | | | | | | **Sampled: 10/12/09 11:30** | | **Recvd: 10/14/09 12:30** | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 02:16 | NMD | 9J15121 | 8260B |
| *1,2-Dichloroethane-d4* | *93 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 02:16* | *NMD* | *9J15121* | *8260B* |
| *4-Bromofluorobenzene* | *107 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 02:16* | *NMD* | *9J15121* | *8260B* |
| *Toluene-d8* | *105 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 02:16* | *NMD* | *9J15121* | *8260B* |

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Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

**Sample ID: RSJ0841-02 (DUPLICATE - Water)** **Sampled: 10/13/09 12:00** **Recvd: 10/14/09 12:30**

**Volatile Organic Compounds by EPA 8260B**

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | **0.83** | J | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **19** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | **12** | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Benzene | **1.0** | J | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Chloroethane | **30** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **1200** | E | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | **2.0** | J | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Trichloroethene | **980** | E | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **100** | E | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |

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Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-02 (DUPLICATE - Water) - cont.** | | | | | | **Sampled: 10/13/09 12:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 02:41 | NMD | 9J15121 | 8260B |
| *1,2-Dichloroethane-d4* | *90 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 02:41* | *NMD* | *9J15121* | *8260B* |
| *4-Bromofluorobenzene* | *105 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 02:41* | *NMD* | *9J15121* | *8260B* |
| *Toluene-d8* | *107 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 02:41* | *NMD* | *9J15121* | *8260B* |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-02RE1 (DUPLICATE - Water)** | | | | | | **Sampled: 10/13/09 12:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | D08 | 100 | 5.3 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | D08 | 100 | 4.3 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloroethane | ND | D08 | 100 | 4.6 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | D08 | 100 | 6.2 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethane | **21** | D08,J | 100 | 7.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethene | **13** | D08,J | 100 | 5.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,2,4-Trichlorobenzene | ND | D08 | 100 | 8.2 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | D08 | 100 | 7.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,2-Dibromoethane | ND | D08 | 100 | 3.3 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,2-Dichlorobenzene | ND | D08 | 100 | 4.1 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,2-Dichloroethane | ND | D08 | 100 | 4.3 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,2-Dichloropropane | ND | D08 | 100 | 6.5 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,3-Dichlorobenzene | ND | D08 | 100 | 7.1 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 1,4-Dichlorobenzene | ND | D08 | 100 | 7.8 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 2-Butanone | ND | D08 | 500 | 26 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 2-Hexanone | ND | D08 | 500 | 25 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| 4-Methyl-2-pentanone | ND | D08 | 500 | 18 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Acetone | ND | D08 | 500 | 27 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Benzene | ND | D08 | 100 | 8.2 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Bromodichloromethane | ND | D08 | 100 | 7.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Bromoform | ND | D08 | 100 | 5.1 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Bromomethane | ND | D08 | 100 | 5.6 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Carbon disulfide | ND | D08 | 100 | 3.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Carbon Tetrachloride | ND | D08 | 100 | 5.3 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Chlorobenzene | ND | D08 | 100 | 6.3 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Dibromochloromethane | ND | D08 | 100 | 6.4 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Chloroethane | ND | D08 | 100 | 6.5 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Chloroform | ND | D08 | 100 | 6.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Chloromethane | ND | D08 | 100 | 6.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| cis-1,2-Dichloroethene | **1900** | D08 | 100 | 7.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| cis-1,3-Dichloropropene | ND | D08 | 100 | 7.1 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Cyclohexane | ND | D08 | 100 | 11 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Dichlorodifluoromethane | ND | D08 | 100 | 5.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Ethylbenzene | ND | D08 | 100 | 3.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Isopropylbenzene | ND | D08 | 100 | 3.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Methyl Acetate | ND | D08 | 100 | 10 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | D08 | 100 | 3.2 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Methylcyclohexane | ND | D08 | 100 | 9.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Methylene Chloride | ND | D08 | 100 | 8.8 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Styrene | ND | D08 | 100 | 3.7 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Tetrachloroethene | ND | D08 | 100 | 7.3 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Toluene | ND | D08 | 100 | 10 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| trans-1,2-Dichloroethene | ND | D08 | 100 | 8.4 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| trans-1,3-Dichloropropene | ND | D08 | 100 | 7.4 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Trichloroethene | **1500** | D08 | 100 | 9.2 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Trichlorofluoromethane | ND | D08 | 100 | 3.0 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| Vinyl chloride | **120** | D08 | 100 | 4.9 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |

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Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-02RE1 (DUPLICATE - Water) - cont.** | | | | | | **Sampled: 10/13/09 12:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | D08 | 300 | 13 | ug/L | 20.0 | 10/16/09 12:20 | DHC | 9J16019 | 8260B |
| *1,2-Dichloroethane-d4* | *90 %* | *D08* | *Surr Limits: (66-137%)* | | | | *10/16/09 12:20* | *DHC* | *9J16019* | *8260B* |
| *4-Bromofluorobenzene* | *103 %* | *D08* | *Surr Limits: (73-120%)* | | | | *10/16/09 12:20* | *DHC* | *9J16019* | *8260B* |
| *Toluene-d8* | *104 %* | *D08* | *Surr Limits: (71-126%)* | | | | *10/16/09 12:20* | *DHC* | *9J16019* | *8260B* |

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100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-03 (MW-2 - Water)** | | | | | | **Sampled: 10/12/09 12:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethane | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethene | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Acetone | **8.1** | J | 25 | 1.3 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Benzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Chloroethane | **13** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| cis-1,2-Dichloroethene | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Trichloroethene | ND | | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| Vinyl chloride | ND | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |

AECOM - Amherst, NY
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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-03 (MW-2 - Water) - cont.** | | | | | | | **Sampled: 10/12/09 12:00** | | **Recvd: 10/14/09 12:30** | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 12:46 | DHC | 9J16019 | 8260B |
| *1,2-Dichloroethane-d4* | *94 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 12:46* | *DHC* | *9J16019* | *8260B* |
| *4-Bromofluorobenzene* | *105 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 12:46* | *DHC* | *9J16019* | *8260B* |
| *Toluene-d8* | *107 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 12:46* | *DHC* | *9J16019* | *8260B* |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-04 (MW-3 - Water)** | | | | | | **Sampled: 10/12/09 14:45** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **10** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Benzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Chloroethane | **30** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **3.7** | J | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Trichloroethene | ND | | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **45** | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-04 (MW-3 - Water) - cont.** | | | | | | | **Sampled: 10/12/09 14:45** | | **Recvd: 10/14/09 12:30** | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 03:32 | NMD | 9J15121 | 8260B |
| *1,2-Dichloroethane-d4* | *92 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 03:32* | *NMD* | *9J15121* | *8260B* |
| *4-Bromofluorobenzene* | *105 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 03:32* | *NMD* | *9J15121* | *8260B* |
| *Toluene-d8* | *105 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 03:32* | *NMD* | *9J15121* | *8260B* |

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Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

**Sample ID: RSJ0841-05 (MW-6 - Water)** **Sampled: 10/13/09 11:15** **Recvd: 10/14/09 12:30**

**Volatile Organic Compounds by EPA 8260B**

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Benzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Chloroethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Trichloroethene | ND | | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| Vinyl chloride | ND | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |

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Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-05 (MW-6 - Water) - cont.** | | | | | | | **Sampled: 10/13/09 11:15** | | **Recvd: 10/14/09 12:30** | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 03:58 | NMD | 9J15121 | 8260B |
| *1,2-Dichloroethane-d4* | *93 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 03:58* | *NMD* | *9J15121* | *8260B* |
| *4-Bromofluorobenzene* | *106 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 03:58* | *NMD* | *9J15121* | *8260B* |
| *Toluene-d8* | *105 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 03:58* | *NMD* | *9J15121* | *8260B* |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

**Sample ID: RSJ0841-06 (MW-8R - Water)** **Sampled: 10/13/09 13:00** **Recvd: 10/14/09 12:30**

**Volatile Organic Compounds by EPA 8260B**

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | **0.91** | J | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **19** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | **12** | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Benzene | **0.98** | J | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Chloroethane | **30** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **1200** | E | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | **2.0** | J | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Trichloroethene | **1000** | E | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **100** | E | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-06 (MW-8R - Water) - cont.** | | | | | | **Sampled: 10/13/09 13:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 04:23 | NMD | 9J15121 | 8260B |
| *1,2-Dichloroethane-d4* | *90 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 04:23* | *NMD* | *9J15121* | *8260B* |
| *4-Bromofluorobenzene* | *106 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 04:23* | *NMD* | *9J15121* | *8260B* |
| *Toluene-d8* | *106 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 04:23* | *NMD* | *9J15121* | *8260B* |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-06RE1 (MW-8R - Water)** | | | | | | **Sampled: 10/13/09 13:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | D08 | 100 | 5.3 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | D08 | 100 | 4.3 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloroethane | ND | D08 | 100 | 4.6 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | D08 | 100 | 6.2 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethane | **20** | D08,J | 100 | 7.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethene | **12** | D08,J | 100 | 5.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,2,4-Trichlorobenzene | ND | D08 | 100 | 8.2 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | D08 | 100 | 7.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,2-Dibromoethane | ND | D08 | 100 | 3.3 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,2-Dichlorobenzene | ND | D08 | 100 | 4.1 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,2-Dichloroethane | ND | D08 | 100 | 4.3 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,2-Dichloropropane | ND | D08 | 100 | 6.5 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,3-Dichlorobenzene | ND | D08 | 100 | 7.1 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 1,4-Dichlorobenzene | ND | D08 | 100 | 7.8 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 2-Butanone | ND | D08 | 500 | 26 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 2-Hexanone | ND | D08 | 500 | 25 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| 4-Methyl-2-pentanone | ND | D08 | 500 | 18 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Acetone | ND | D08 | 500 | 27 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Benzene | ND | D08 | 100 | 8.2 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Bromodichloromethane | ND | D08 | 100 | 7.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Bromoform | ND | D08 | 100 | 5.1 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Bromomethane | ND | D08 | 100 | 5.6 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Carbon disulfide | ND | D08 | 100 | 3.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Carbon Tetrachloride | ND | D08 | 100 | 5.3 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Chlorobenzene | ND | D08 | 100 | 6.3 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Dibromochloromethane | ND | D08 | 100 | 6.4 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Chloroethane | ND | D08 | 100 | 6.5 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Chloroform | ND | D08 | 100 | 6.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Chloromethane | ND | D08 | 100 | 6.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| cis-1,2-Dichloroethene | **1900** | D08 | 100 | 7.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| cis-1,3-Dichloropropene | ND | D08 | 100 | 7.1 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Cyclohexane | ND | D08 | 100 | 11 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Dichlorodifluoromethane | ND | D08 | 100 | 5.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Ethylbenzene | ND | D08 | 100 | 3.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Isopropylbenzene | ND | D08 | 100 | 3.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Methyl Acetate | ND | D08 | 100 | 10 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | D08 | 100 | 3.2 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Methylcyclohexane | ND | D08 | 100 | 9.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Methylene Chloride | ND | D08 | 100 | 8.8 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Styrene | ND | D08 | 100 | 3.7 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Tetrachloroethene | ND | D08 | 100 | 7.3 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Toluene | ND | D08 | 100 | 10 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| trans-1,2-Dichloroethene | ND | D08 | 100 | 8.4 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| trans-1,3-Dichloropropene | ND | D08 | 100 | 7.4 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Trichloroethene | **1400** | D08 | 100 | 9.2 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Trichlorofluoromethane | ND | D08 | 100 | 3.0 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| Vinyl chloride | **110** | D08 | 100 | 4.9 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-06RE1 (MW-8R - Water) - cont.** | | | | | | **Sampled: 10/13/09 13:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | D08 | 300 | 13 | ug/L | 20.0 | 10/16/09 13:11 | DHC | 9J16019 | 8260B |
| *1,2-Dichloroethane-d4* | *92 %* | *D08* | *Surr Limits: (66-137%)* | | | | *10/16/09 13:11* | *DHC* | *9J16019* | *8260B* |
| *4-Bromofluorobenzene* | *104 %* | *D08* | *Surr Limits: (73-120%)* | | | | *10/16/09 13:11* | *DHC* | *9J16019* | *8260B* |
| *Toluene-d8* | *105 %* | *D08* | *Surr Limits: (71-126%)* | | | | *10/16/09 13:11* | *DHC* | *9J16019* | *8260B* |

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100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

**Sample ID: RSJ0841-07 (MW-10 - Water)** **Sampled: 10/13/09 10:35** **Recvd: 10/14/09 12:30**

**Volatile Organic Compounds by EPA 8260B**

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethane | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethene | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Benzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Chloroethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| cis-1,2-Dichloroethene | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Trichloroethene | ND | | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| Vinyl chloride | ND | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |

AECOM - Amherst, NY
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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-07 (MW-10 - Water) - cont.** | | | | | | | **Sampled: 10/13/09 10:35** | | **Recvd: 10/14/09 12:30** | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 13:37 | DHC | 9J16019 | 8260B |
| *1,2-Dichloroethane-d4* | *96 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 13:37* | *DHC* | *9J16019* | *8260B* |
| *4-Bromofluorobenzene* | *107 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 13:37* | *DHC* | *9J16019* | *8260B* |
| *Toluene-d8* | *107 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 13:37* | *DHC* | *9J16019* | *8260B* |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-08 (MW-11 - Water)** | | | | | | **Sampled: 10/13/09 09:30** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | **2.3** | J | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **10** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | **1.5** | J | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Benzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Chloroethane | **45** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **46** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Trichloroethene | **0.97** | J | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **14** | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |

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Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-08 (MW-11 - Water) - cont.** | | | | | | **Sampled: 10/13/09 09:30** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 05:14 | NMD | 9J15121 | 8260B |
| *1,2-Dichloroethane-d4* | *93 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 05:14* | *NMD* | *9J15121* | *8260B* |
| *4-Bromofluorobenzene* | *104 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 05:14* | *NMD* | *9J15121* | *8260B* |
| *Toluene-d8* | *103 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 05:14* | *NMD* | *9J15121* | *8260B* |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-09 (MW-12 - Water)** | | | | | | **Sampled: 10/12/09 16:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | ND | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,2-Dichloroethane | **0.60** | J | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Benzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Chloroethane | **67** | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **0.60** | J | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Trichloroethene | ND | | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **5.4** | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |

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Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-09 (MW-12 - Water) - cont.** | | | | | | | **Sampled: 10/12/09 16:00** | | **Recvd: 10/14/09 12:30** | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 05:40 | NMD | 9J15121 | 8260B |
| *1,2-Dichloroethane-d4* | *94 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 05:40* | *NMD* | *9J15121* | *8260B* |
| *4-Bromofluorobenzene* | *104 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 05:40* | *NMD* | *9J15121* | *8260B* |
| *Toluene-d8* | *107 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 05:40* | *NMD* | *9J15121* | *8260B* |

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100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-10 (MW-13S - Water)** | | | | | | **Sampled: 10/13/09 15:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B** | | | | | | | | | | |
| 1,1,1-Trichloroethane | **14** | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.23 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 0.31 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethane | **11** | | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,1-Dichloroethene | **4.7** | J | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,2-Dibromoethane | ND | | 5.0 | 0.17 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.20 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,2-Dichloroethane | ND | | 5.0 | 0.21 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,2-Dichloropropane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 2-Butanone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 2-Hexanone | ND | | 25 | 1.2 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| 4-Methyl-2-pentanone | ND | | 25 | 0.91 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Acetone | ND | | 25 | 1.3 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Benzene | ND | | 5.0 | 0.41 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Bromodichloromethane | ND | | 5.0 | 0.39 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Bromoform | ND | | 5.0 | 0.26 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Bromomethane | ND | | 5.0 | 0.28 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Carbon disulfide | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Carbon Tetrachloride | ND | | 5.0 | 0.27 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Chlorobenzene | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Dibromochloromethane | ND | | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Chloroethane | **1.6** | J | 5.0 | 0.32 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Chloroform | ND | | 5.0 | 0.34 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Chloromethane | ND | | 5.0 | 0.35 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| cis-1,2-Dichloroethene | **590** | E | 5.0 | 0.38 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Cyclohexane | ND | | 5.0 | 0.53 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Dichlorodifluoromethane | ND | | 5.0 | 0.29 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Ethylbenzene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Isopropylbenzene | ND | | 5.0 | 0.19 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Methyl Acetate | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | | 5.0 | 0.16 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Methylcyclohexane | ND | | 5.0 | 0.50 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Methylene Chloride | ND | | 5.0 | 0.44 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Styrene | ND | | 5.0 | 0.18 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Tetrachloroethene | ND | | 5.0 | 0.36 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Toluene | ND | | 5.0 | 0.51 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| trans-1,2-Dichloroethene | **1.4** | J | 5.0 | 0.42 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.37 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Trichloroethene | **390** | E | 5.0 | 0.46 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Trichlorofluoromethane | ND | | 5.0 | 0.15 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| Vinyl chloride | **22** | | 5.0 | 0.24 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-10 (MW-13S - Water) - cont.** | | | | | | | **Sampled: 10/13/09 15:00** | | **Recvd: 10/14/09 12:30** | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | | 15 | 0.66 | ug/L | 1.00 | 10/16/09 06:05 | NMD | 9J15121 | 8260B |
| *1,2-Dichloroethane-d4* | *92 %* | | *Surr Limits: (66-137%)* | | | | *10/16/09 06:05* | *NMD* | *9J15121* | *8260B* |
| *4-Bromofluorobenzene* | *105 %* | | *Surr Limits: (73-120%)* | | | | *10/16/09 06:05* | *NMD* | *9J15121* | *8260B* |
| *Toluene-d8* | *106 %* | | *Surr Limits: (71-126%)* | | | | *10/16/09 06:05* | *NMD* | *9J15121* | *8260B* |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

**Sample ID: RSJ0841-10RE1 (MW-13S - Water)** **Sampled: 10/13/09 15:00** **Recvd: 10/14/09 12:30**

**Volatile Organic Compounds by EPA 8260B**

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | **12** | D08,J | 50 | 2.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | D08 | 50 | 2.1 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloroethane | ND | D08 | 50 | 2.3 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | D08 | 50 | 3.1 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethane | **11** | D08,J | 50 | 3.8 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,1-Dichloroethene | ND | D08 | 50 | 2.9 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,2,4-Trichlorobenzene | ND | D08 | 50 | 4.1 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | D08 | 50 | 3.9 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,2-Dibromoethane | ND | D08 | 50 | 1.7 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,2-Dichlorobenzene | ND | D08 | 50 | 2.0 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,2-Dichloroethane | ND | D08 | 50 | 2.1 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,2-Dichloropropane | ND | D08 | 50 | 3.2 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,3-Dichlorobenzene | ND | D08 | 50 | 3.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 1,4-Dichlorobenzene | ND | D08 | 50 | 3.9 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 2-Butanone | ND | D08 | 250 | 13 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 2-Hexanone | ND | D08 | 250 | 12 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| 4-Methyl-2-pentanone | ND | D08 | 250 | 9.1 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Acetone | ND | D08 | 250 | 13 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Benzene | ND | D08 | 50 | 4.1 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Bromodichloromethane | ND | D08 | 50 | 3.9 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Bromoform | ND | D08 | 50 | 2.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Bromomethane | ND | D08 | 50 | 2.8 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Carbon disulfide | ND | D08 | 50 | 1.9 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Carbon Tetrachloride | ND | D08 | 50 | 2.7 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Chlorobenzene | ND | D08 | 50 | 3.2 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Dibromochloromethane | ND | D08 | 50 | 3.2 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Chloroethane | ND | D08 | 50 | 3.2 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Chloroform | ND | D08 | 50 | 3.4 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Chloromethane | ND | D08 | 50 | 3.5 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| cis-1,2-Dichloroethene | **640** | D08 | 50 | 3.8 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| cis-1,3-Dichloropropene | ND | D08 | 50 | 3.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Cyclohexane | ND | D08 | 50 | 5.3 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Dichlorodifluoromethane | ND | D08 | 50 | 2.9 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Ethylbenzene | ND | D08 | 50 | 1.8 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Isopropylbenzene | ND | D08 | 50 | 1.9 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Methyl Acetate | ND | D08 | 50 | 5.0 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Methyl-t-Butyl Ether (MTBE) | ND | D08 | 50 | 1.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Methylcyclohexane | ND | D08 | 50 | 5.0 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Methylene Chloride | ND | D08 | 50 | 4.4 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Styrene | ND | D08 | 50 | 1.8 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Tetrachloroethene | ND | D08 | 50 | 3.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Toluene | ND | D08 | 50 | 5.1 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| trans-1,2-Dichloroethene | ND | D08 | 50 | 4.2 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| trans-1,3-Dichloropropene | ND | D08 | 50 | 3.7 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Trichloroethene | **400** | D08 | 50 | 4.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Trichlorofluoromethane | ND | D08 | 50 | 1.5 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| Vinyl chloride | **22** | D08,J | 50 | 2.4 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0841

Project: Scott Aviation site
Project Number: EARTH-0001

Received: 10/14/09
Reported: 10/29/09 15:32

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | MDL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0841-10RE1 (MW-13S - Water) - cont.** | | | | | | **Sampled: 10/13/09 15:00** | | **Recvd: 10/14/09 12:30** | | |
| **Volatile Organic Compounds by EPA 8260B - cont.** | | | | | | | | | | |
| Xylenes, total | ND | D08 | 150 | 6.6 | ug/L | 10.0 | 10/16/09 14:03 | DHC | 9J16019 | 8260B |
| *1,2-Dichloroethane-d4* | *94 %* | *D08* | *Surr Limits: (66-137%)* | | | | *10/16/09 14:03* | *DHC* | *9J16019* | *8260B* |
| *4-Bromofluorobenzene* | *107 %* | *D08* | *Surr Limits: (73-120%)* | | | | *10/16/09 14:03* | *DHC* | *9J16019* | *8260B* |
| *Toluene-d8* | *106 %* | *D08* | *Surr Limits: (71-126%)* | | | | *10/16/09 14:03* | *DHC* | *9J16019* | *8260B* |

# Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

| | | | |
|---|---|---|---|
| Client: AECOM | Project Manager: Dino Zack | Date: 10/13/09 | Chain of Custody Number: 159391 |
| Address: 100 Corporate Parkway | Telephone Number (Area Code)/Fax Number: 716-836-4506 ext 15 | Lab Number: Buf | Page 1 of 1 |
| City: Amherst / State: NY / Zip Code: 14226 | Site Contact: D Zack | Lab Contact: B. Fischer | Analysis (Attach list if more space is needed) |
| Project Name and Location (State): Scott Aviation 4209, NY | Carrier/Waybill Number: | | |
| Contract/Purchase Order/Quote No. | | | |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed | Soil | Containers & Preservatives: Unpres | H2SO4 | HNO3 | HCl | NaOH | Zn Ac / NaOH | VOC - 8260 | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Blank | 10/12/09 | 11:30 | | X | | | | | | 2 | | | X | |
| Duplicate | 10/13/09 | 12:00 | | X | | | | | | 2 | | | X | |
| MW-2 | 10/12/09 | 12:00 | | X | | | | | | 2 | | | X | |
| MW-3 | 10/12/09 | 14:45 | | X | | | | | | 2 | | | X | |
| MW-6 | 10/13/09 | 11:15 | | X | | | | | | 2 | | | X | |
| MW-8R | 10/13/09 | 13:00 | | X | | | | | | 2 | | | X | May need to dilute |
| MW-10 | 10/13/09 | 10:35 | | X | | | | | | 2 | | | X | |
| MW-11 | 10/13/09 | 0930 | | X | | | | | | 2 | | | X | |
| MW-12 | 10/12/09 | 16:00 | | X | | | | | | 2 | | | X | |
| MW-13S | 10/13/09 | 15:00 | | X | | | | | | 2 | | | X | May need to dilute |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STD

QC Requirements (Specify)

| | | | | | |
|---|---|---|---|---|---|
| 1. Relinquished By: Dino D. Zack | Date: 10/13/09 | Time: 1700hrs | 1. Received By: TO BUFFALO | Date: 10/14/09 | Time: 1230 |
| 2. Relinquished By | Date | Time | 2. Received By | Date | Time |
| 3. Relinquished By | Date | Time | 3. Received By | Date | Time |

Comments: Please contact Dino Zack w/Questions, Send invoice to Dino Zack (Amherst, NY) 6.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

41/249

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# Analytical Report

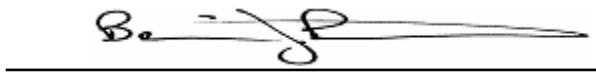
Work Order: RSJ0897

Project Description
Scott Aviation site - Influent/Effluent

For:

Dino Zack

**AECOM - Amherst, NY**
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226



Brian Fischer

Project Manager
Brian.Fischer@testamericainc.com

Monday, November 2, 2009

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

# TestAmerica Buffalo
# Current Certifications

**As of 1/27/2009**

| STATE | Program | Cert # / Lab ID |
|---|---|---|
| Arkansas | CWA, RCRA, SOIL | 88-0686 |
| California* | NELAP CWA, RCRA | 01169CA |
| Connecticut | SDWA, CWA, RCRA, SOIL | PH-0568 |
| Florida* | NELAP CWA, RCRA | E87672 |
| Georgia* | SDWA,NELAP CWA, RCRA | 956 |
| Illinois* | NELAP SDWA, CWA, RCRA | 200003 |
| Iowa | SW/CS | 374 |
| Kansas* | NELAP SDWA, CWA, RCRA | E-10187 |
| Kentucky | SDWA | 90029 |
| Kentucky UST | UST | 30 |
| Louisiana* | NELAP CWA, RCRA | 2031 |
| Maine | SDWA, CWA | NY0044 |
| Maryland | SDWA | 294 |
| Massachusetts | SDWA, CWA | M-NY044 |
| Michigan | SDWA | 9937 |
| Minnesota | SDWA,CWA, RCRA | 036-999-337 |
| New Hampshire* | NELAP SDWA, CWA | 233701 |
| New Jersey* | NELAP,SDWA, CWA, RCRA, | NY455 |
| New York* | NELAP, AIR, SDWA, CWA, RCRA,CLP | 10026 |
| Oklahoma | CWA, RCRA | 9421 |
| Pennsylvania* | NELAP CWA,RCRA | 68-00281 |
| Tennessee | SDWA | 02970 |
| Texas* | NELAP CWA, RCRA | T104704412-08-TX |
| USDA | FOREIGN SOIL PERMIT | S-41579 |
| USDOE | Department of Energy | DOECAP-STB |
| Virginia | SDWA | 278 |
| Washington* | NELAP CWA,RCRA | C1677 |
| Wisconsin | CWA, RCRA | 998310390 |
| West Virginia | CWA,RCRA | 252 |

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accre ditation is required or available. Any exceptions to NELAP requirements are noted in this report.

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

**CASE NARRATIVE**

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 157 pages, are included and are an integral part of this report.



TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## DATA QUALIFIERS AND DEFINITIONS

**NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## Executive Summary - Detections

| Analyte | Sample Result | Data Qualifiers | RL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0897-01 (AS Effluent - Air)** | | | | | **Sampled: 10/12/09 10:00** | | | **Recvd: 10/15/09** | |
| **TO-14A** | | | | | | | | | |
| 1,1,1-Trichloroethane | **11** | | 11 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,1-Dichloroethane | **25** | | 8.1 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Chloroethane | **50** | | 13 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| cis-1,2-Dichloroethene | **1200** | | 7.9 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Methylene Chloride | **20** | | 17 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Tetrachloroethene | **15** | | 14 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Trichloroethene | **400** | | 11 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Vinyl Chloride | **23** | | 5.1 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| **Sample ID: RSJ0897-02 (LRP Effluent - Air)** | | | | | **Sampled: 10/12/09 10:00** | | | **Recvd: 10/15/09** | |
| **TO-14A** | | | | | | | | | |
| 1,1,1-Trichloroethane | **1900** | | 650 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,1-Dichloroethane | **2300** | | 490 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,1-Dichloroethene | **710** | | 480 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| cis-1,2-Dichloroethene | **95000** | | 480 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Trichloroethene | **100000** | | 640 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Vinyl Chloride | **4300** | | 310 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## Sample Summary

| Sample Identification | Lab Number | Client Matrix | Date/Time Sampled | Date/Time Received | Sample Qualifiers |
|---|---|---|---|---|---|
| AS Effluent | RSJ0897-01 | Air | 10/12/09 10:00 | 10/15/09 16:45 | |
| LRP Effluent | RSJ0897-02 | Air | 10/12/09 10:00 | 10/15/09 16:45 | |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## Analytical Report

**Sample ID: RSJ0897-01 (AS Effluent - Air)** **Sampled: 10/12/09 10:00** **Recvd: 10/15/09**

**TO-14A**

| Analyte | Sample Result | Data Qualifiers | RL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | **11** | | 11 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,1,2,2-Tetrachloroethane | ND | | 14 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,1,2-Trichloroethane | ND | | 11 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,1-Dichloroethane | **25** | | 8.1 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,1-Dichloroethene | ND | | 7.9 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,2,4-Trichlorobenzene | ND | | 37 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,2,4-Trimethylbenzene | ND | | 9.8 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,2-Dibromoethane | ND | | 15 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,2-Dichlorobenzene | ND | | 12 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,2-Dichloroethane | ND | | 8.1 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,2-Dichloropropane | ND | | 9.2 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,2-Dichlorotetrafluoroethane | ND | | 14 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,3,5-Trimethylbenzene | ND | | 9.8 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,3-Butadiene | ND | | 11 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,3-Dichlorobenzene | ND | | 12 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 1,4-Dichlorobenzene | ND | | 12 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 2,2,4-Trimethylpentane | ND | | 9.3 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 2-Chlorotoluene | ND | | 10 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 3-Chloropropene | ND | | 16 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| 4-Ethyltoluene | ND | | 9.8 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Benzene | ND | | 6.4 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Bromodichloromethane | ND | | 13 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Bromoethene | ND | | 8.7 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Bromoform | ND | | 21 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Bromomethane | ND | | 7.8 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Carbon Disulfide | ND | | 16 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## Analytical Report

**Sample ID: RSJ0897-01 (AS Effluent - Air) - cont.** — **Sampled: 10/12/09 10:00** — **Recvd: 10/15/09**

**TO-14A - cont.**

| Analyte | Sample Result | Data Qualifiers | RL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Carbon Tetrachloride | ND | | 13 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Chlorobenzene | ND | | 9.2 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Chloroethane | **50** | | 13 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Chloroform | ND | | 9.8 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Chloromethane | ND | | 10 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| cis-1,2-Dichloroethene | **1200** | | 7.9 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| cis-1,3-Dichloropropene | ND | | 9.1 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Cyclohexane | ND | | 6.9 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Dibromochloromethane | ND | | 17 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Dichlorodifluoromethane | ND | | 25 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Ethylbenzene | ND | | 8.7 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Freon TF | ND | | 15 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Hexachlorobutadiene | ND | | 21 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Methylene Chloride | **20** | | 17 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| n-Heptane | ND | | 8.2 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| n-Hexane | ND | | 18 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Styrene | ND | | 8.5 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Tetrachloroethene | **15** | | 14 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Toluene | ND | | 7.5 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| trans-1,2-Dichloroethene | ND | | 7.9 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| trans-1,3-Dichloropropene | ND | | 9.1 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Trichloroethene | **400** | | 11 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Trichlorofluoromethane | ND | | 11 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Vinyl Chloride | **23** | | 5.1 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Xylene (m,p) | ND | | 22 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |
| Xylene (o) | ND | | 8.7 | ug/m3 | 10.0 | 10/21/09 16:35 | wrd | MBLK102 | TO-14A |

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Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## Analytical Report

**Sample ID: RSJ0897-02 (LRP Effluent - Air)** **Sampled: 10/12/09 10:00** **Recvd: 10/15/09**

**TO-14A**

| Analyte | Sample Result | Data Qualifiers | RL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | **1900** | | 650 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,1,2,2-Tetrachloroethane | ND | | 820 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,1,2-Trichloroethane | ND | | 650 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,1-Dichloroethane | **2300** | | 490 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,1-Dichloroethene | **710** | | 480 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,2,4-Trichlorobenzene | ND | | 2200 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,2,4-Trimethylbenzene | ND | | 590 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,2-Dibromoethane | ND | | 920 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,2-Dichlorobenzene | ND | | 720 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,2-Dichloroethane | ND | | 490 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,2-Dichloropropane | ND | | 550 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,2-Dichlorotetrafluoroethane | ND | | 840 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,3,5-Trimethylbenzene | ND | | 590 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,3-Butadiene | ND | | 660 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,3-Dichlorobenzene | ND | | 720 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 1,4-Dichlorobenzene | ND | | 720 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 2,2,4-Trimethylpentane | ND | | 560 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 2-Chlorotoluene | ND | | 620 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 3-Chloropropene | ND | | 940 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| 4-Ethyltoluene | ND | | 590 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Benzene | ND | | 380 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Bromodichloromethane | ND | | 800 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Bromoethene | ND | | 520 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Bromoform | ND | | 1200 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Bromomethane | ND | | 470 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Carbon Disulfide | ND | | 930 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |

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Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## Analytical Report

| Analyte | Sample Result | Data Qualifiers | RL | Units | Dil Fac | Date Analyzed | Lab Tech | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: RSJ0897-02 (LRP Effluent - Air) - cont.** | | | | | **Sampled: 10/12/09 10:00** | | **Recvd: 10/15/09** | | |
| **TO-14A - cont.** | | | | | | | | | |
| Carbon Tetrachloride | ND | | 750 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Chlorobenzene | ND | | 550 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Chloroethane | ND | | 790 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Chloroform | ND | | 590 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Chloromethane | ND | | 620 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| cis-1,2-Dichloroethene | **95000** | | 480 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| cis-1,3-Dichloropropene | ND | | 540 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Cyclohexane | ND | | 410 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Dibromochloromethane | ND | | 1000 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Dichlorodifluoromethane | ND | | 1500 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Ethylbenzene | ND | | 520 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Freon TF | ND | | 920 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Hexachlorobutadiene | ND | | 1300 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Methylene Chloride | ND | | 1000 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| n-Heptane | ND | | 490 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| n-Hexane | ND | | 1100 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Styrene | ND | | 510 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Tetrachloroethene | ND | | 810 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Toluene | ND | | 450 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| trans-1,2-Dichloroethene | ND | | 480 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| trans-1,3-Dichloropropene | ND | | 540 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Trichloroethene | **100000** | | 640 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Trichlorofluoromethane | ND | | 670 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Vinyl Chloride | **4300** | | 310 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Xylene (m,p) | ND | | 1300 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |
| Xylene (o) | ND | | 520 | ug/m3 | 592 | 10/21/09 17:25 | wrd | MBLK102 | TO-14A |

AECOM - Amherst, NY
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Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## LABORATORY QC DATA

| Analyte | Source Result | Spike Level | RL | Units | Result | % REC | % REC Limits | % RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **TO-14A** | | | | | | | | | | |
| **LCS Analyzed: 10/21/09 (Lab Number:FA102109LCS, Batch: MBLK102)** | | | | | | | | | | |
| 1,1,1-Trichloroethane | | 55.0 | 1.1 | ug/m3 | 52 | 95 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | | 69.0 | 1.4 | ug/m3 | 60 | 88 | 70-130 | | | |
| 1,1,2-Trichloroethane | | 55.0 | 1.1 | ug/m3 | 48 | 88 | 70-130 | | | |
| 1,1-Dichloroethane | | 40.0 | 0.81 | ug/m3 | 37 | 92 | 70-130 | | | |
| 1,1-Dichloroethene | | 40.0 | 0.79 | ug/m3 | 44 | 110 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | | 74.0 | 3.7 | ug/m3 | 73 | 99 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | | 49.0 | 0.98 | ug/m3 | 47 | 95 | 70-130 | | | |
| 1,2-Dibromoethane | | 77.0 | 1.5 | ug/m3 | 74 | 96 | 70-130 | | | |
| 1,2-Dichlorobenzene | | 60.0 | 1.2 | ug/m3 | 57 | 95 | 70-130 | | | |
| 1,2-Dichloroethane | | 40.0 | 0.81 | ug/m3 | 36 | 88 | 70-130 | | | |
| 1,2-Dichloropropane | | 46.0 | 0.92 | ug/m3 | 41 | 88 | 70-130 | | | |
| 1,2-Dichlorotetrafluoroethane | | 70.0 | 1.4 | ug/m3 | 67 | 96 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | | 49.0 | 0.98 | ug/m3 | 47 | 96 | 70-130 | | | |
| 1,3-Butadiene | | 22.0 | 1.1 | ug/m3 | 19 | 84 | 70-130 | | | |
| 1,3-Dichlorobenzene | | 60.0 | 1.2 | ug/m3 | 60 | 100 | 70-130 | | | |
| 1,4-Dichlorobenzene | | 60.0 | 1.2 | ug/m3 | 60 | 100 | 70-130 | | | |
| 2,2,4-Trimethylpentane | | 47.0 | 0.93 | ug/m3 | 43 | 91 | 70-130 | | | |
| 2-Chlorotoluene | | 52.0 | 1.0 | ug/m3 | 51 | 99 | 70-130 | | | |
| 3-Chloropropene | | 31.0 | 1.6 | ug/m3 | 27 | 86 | 70-130 | | | |
| 4-Ethyltoluene | | 49.0 | 0.98 | ug/m3 | 49 | 99 | 70-130 | | | |
| Benzene | | 32.0 | 0.64 | ug/m3 | 30 | 93 | 70-130 | | | |
| Bromodichloromethane | | 67.0 | 1.3 | ug/m3 | 65 | 97 | 70-130 | | | |
| Bromoethene | | 44.0 | 0.87 | ug/m3 | 42 | 97 | 70-130 | | | |
| Bromoform | | 100 | 2.1 | ug/m3 | 120 | 120 | 70-130 | | | |
| Bromomethane | | 39.0 | 0.78 | ug/m3 | 34 | 88 | 70-130 | | | |
| Carbon Disulfide | | 31.0 | 1.6 | ug/m3 | 29 | 94 | 70-130 | | | |
| Carbon Tetrachloride | | 63.0 | 1.3 | ug/m3 | 60 | 96 | 70-130 | | | |
| Chlorobenzene | | 46.0 | 0.92 | ug/m3 | 43 | 94 | 70-130 | | | |
| Chloroethane | | 26.0 | 1.3 | ug/m3 | 21 | 80 | 70-130 | | | |
| Chloroform | | 49.0 | 0.98 | ug/m3 | 46 | 94 | 70-130 | | | |
| Chloromethane | | 21.0 | 1.0 | ug/m3 | 17 | 83 | 70-130 | | | |
| cis-1,2-Dichloroethene | | 40.0 | 0.79 | ug/m3 | 40 | 100 | 70-130 | | | |
| cis-1,3-Dichloropropene | | 45.0 | 0.91 | ug/m3 | 42 | 92 | 70-130 | | | |
| Cyclohexane | | 34.0 | 0.69 | ug/m3 | 33 | 97 | 70-130 | | | |
| Dibromochloromethane | | 85.0 | 1.7 | ug/m3 | 94 | 110 | 70-130 | | | |
| Dichlorodifluoromethane | | 49.0 | 2.5 | ug/m3 | 46 | 94 | 70-130 | | | |
| Ethylbenzene | | 43.0 | 0.87 | ug/m3 | 41 | 94 | 70-130 | | | |

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Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## LABORATORY QC DATA

| Analyte | Source Result | Spike Level | RL | Units | Result | % REC | % REC Limits | % RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **TO-14A** | | | | | | | | | | |
| **LCS Analyzed: 10/21/09 (Lab Number:FA102109LCS, Batch: MBLK102)** | | | | | | | | | | |
| Freon TF | | 77.0 | 1.5 | ug/m3 | 84 | 110 | 70-130 | | | |
| Hexachlorobutadiene | | 110 | 2.1 | ug/m3 | 120 | 110 | 70-130 | | | |
| Methylene Chloride | | 35.0 | 1.7 | ug/m3 | 30 | 87 | 70-130 | | | |
| n-Heptane | | 41.0 | 0.82 | ug/m3 | 35 | 85 | 70-130 | | | |
| n-Hexane | | 35.0 | 1.8 | ug/m3 | 31 | 89 | 70-130 | | | |
| Styrene | | 43.0 | 0.85 | ug/m3 | 43 | 100 | 70-130 | | | |
| Tetrachloroethene | | 68.0 | 1.4 | ug/m3 | 68 | 100 | 70-130 | | | |
| Toluene | | 38.0 | 0.75 | ug/m3 | 34 | 91 | 70-130 | | | |
| trans-1,2-Dichloroethene | | 40.0 | 0.79 | ug/m3 | 36 | 90 | 70-130 | | | |
| trans-1,3-Dichloropropene | | 45.0 | 0.91 | ug/m3 | 41 | 91 | 70-130 | | | |
| Trichloroethene | | 54.0 | 1.1 | ug/m3 | 51 | 95 | 70-130 | | | |
| Trichlorofluoromethane | | 56.0 | 1.1 | ug/m3 | 52 | 92 | 70-130 | | | |
| Vinyl Chloride | | 26.0 | 0.51 | ug/m3 | 21 | 84 | 70-130 | | | |
| Xylene (m,p) | | 87.0 | 2.2 | ug/m3 | 83 | 95 | 70-130 | | | |
| Xylene (o) | | 43.0 | 0.87 | ug/m3 | 42 | 97 | 70-130 | | | |
| **Blank Analyzed: 10/21/09 (Lab Number:MBLK102109FA, Batch: MBLK102)** | | | | | | | | | | |
| 1,1,1-Trichloroethane | | | 1.1 | ug/m3 | ND | | - | | | |
| 1,1,2,2-Tetrachloroethane | | | 1.4 | ug/m3 | ND | | - | | | |
| 1,1,2-Trichloroethane | | | 1.1 | ug/m3 | ND | | - | | | |
| 1,1-Dichloroethane | | | 0.81 | ug/m3 | ND | | - | | | |
| 1,1-Dichloroethene | | | 0.79 | ug/m3 | ND | | - | | | |
| 1,2,4-Trichlorobenzene | | | 3.7 | ug/m3 | ND | | - | | | |
| 1,2,4-Trimethylbenzene | | | 0.98 | ug/m3 | ND | | - | | | |
| 1,2-Dibromoethane | | | 1.5 | ug/m3 | ND | | - | | | |
| 1,2-Dichlorobenzene | | | 1.2 | ug/m3 | ND | | - | | | |
| 1,2-Dichloroethane | | | 0.81 | ug/m3 | ND | | - | | | |
| 1,2-Dichloropropane | | | 0.92 | ug/m3 | ND | | - | | | |
| 1,2-Dichlorotetrafluoroethane | | | 1.4 | ug/m3 | ND | | - | | | |
| 1,3,5-Trimethylbenzene | | | 0.98 | ug/m3 | ND | | - | | | |
| 1,3-Butadiene | | | 1.1 | ug/m3 | ND | | - | | | |
| 1,3-Dichlorobenzene | | | 1.2 | ug/m3 | ND | | - | | | |
| 1,4-Dichlorobenzene | | | 1.2 | ug/m3 | ND | | - | | | |
| 2,2,4-Trimethylpentane | | | 0.93 | ug/m3 | ND | | - | | | |
| 2-Chlorotoluene | | | 1.0 | ug/m3 | ND | | - | | | |
| 3-Chloropropene | | | 1.6 | ug/m3 | ND | | - | | | |
| 4-Ethyltoluene | | | 0.98 | ug/m3 | ND | | - | | | |

AECOM - Amherst, NY
100 Corporate Pkwy-Univ Centre
Amherst, NY 14226

Work Order: RSJ0897

Project: Scott Aviation site - Influent/Effluent
Project Number: EARTH

Received: 10/15/09
Reported: 11/02/09 09:07

## LABORATORY QC DATA

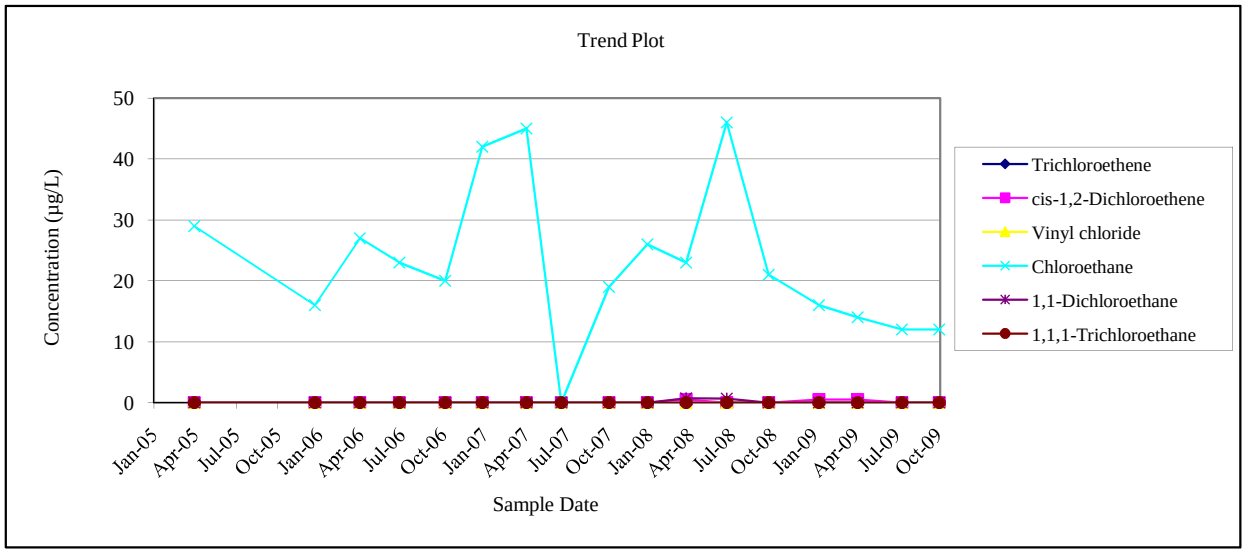
| Analyte | Source Result | Spike Level | RL | Units | Result | % REC | % REC Limits | % RPD | RPD Limit | Data Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| **TO-14A** | | | | | | | | | | |
| **Blank Analyzed: 10/21/09 (Lab Number:MBLK102109FA, Batch: MBLK102)** | | | | | | | | | | |
| Benzene | | | 0.64 | ug/m3 | ND | | - | | | |
| Bromodichloromethane | | | 1.3 | ug/m3 | ND | | - | | | |
| Bromoethene | | | 0.87 | ug/m3 | ND | | - | | | |
| Bromoform | | | 2.1 | ug/m3 | ND | | - | | | |
| Bromomethane | | | 0.78 | ug/m3 | ND | | - | | | |
| Carbon Disulfide | | | 1.6 | ug/m3 | ND | | - | | | |
| Carbon Tetrachloride | | | 1.3 | ug/m3 | ND | | - | | | |
| Chlorobenzene | | | 0.92 | ug/m3 | ND | | - | | | |
| Chloroethane | | | 1.3 | ug/m3 | ND | | - | | | |
| Chloroform | | | 0.98 | ug/m3 | ND | | - | | | |
| Chloromethane | | | 1.0 | ug/m3 | ND | | - | | | |
| cis-1,2-Dichloroethene | | | 0.79 | ug/m3 | ND | | - | | | |
| cis-1,3-Dichloropropene | | | 0.91 | ug/m3 | ND | | - | | | |
| Cyclohexane | | | 0.69 | ug/m3 | ND | | - | | | |
| Dibromochloromethane | | | 1.7 | ug/m3 | ND | | - | | | |
| Dichlorodifluoromethane | | | 2.5 | ug/m3 | ND | | - | | | |
| Ethylbenzene | | | 0.87 | ug/m3 | ND | | - | | | |
| Freon TF | | | 1.5 | ug/m3 | ND | | - | | | |
| Hexachlorobutadiene | | | 2.1 | ug/m3 | ND | | - | | | |
| Methylene Chloride | | | 1.7 | ug/m3 | ND | | - | | | |
| n-Heptane | | | 0.82 | ug/m3 | ND | | - | | | |
| n-Hexane | | | 1.8 | ug/m3 | ND | | - | | | |
| Styrene | | | 0.85 | ug/m3 | ND | | - | | | |
| Tetrachloroethene | | | 1.4 | ug/m3 | ND | | - | | | |
| Toluene | | | 0.75 | ug/m3 | ND | | - | | | |
| trans-1,2-Dichloroethene | | | 0.79 | ug/m3 | ND | | - | | | |
| trans-1,3-Dichloropropene | | | 0.91 | ug/m3 | ND | | - | | | |
| Trichloroethene | | | 1.1 | ug/m3 | ND | | - | | | |
| Trichlorofluoromethane | | | 1.1 | ug/m3 | ND | | - | | | |
| Vinyl Chloride | | | 0.51 | ug/m3 | ND | | - | | | |
| Xylene (m,p) | | | 2.2 | ug/m3 | ND | | - | | | |
| Xylene (o) | | | 0.87 | ug/m3 | ND | | - | | | |

# APPENDIX E

# HISTORICAL AND CURRENT SUMMARY OF VOCs IN GROUNDWATER

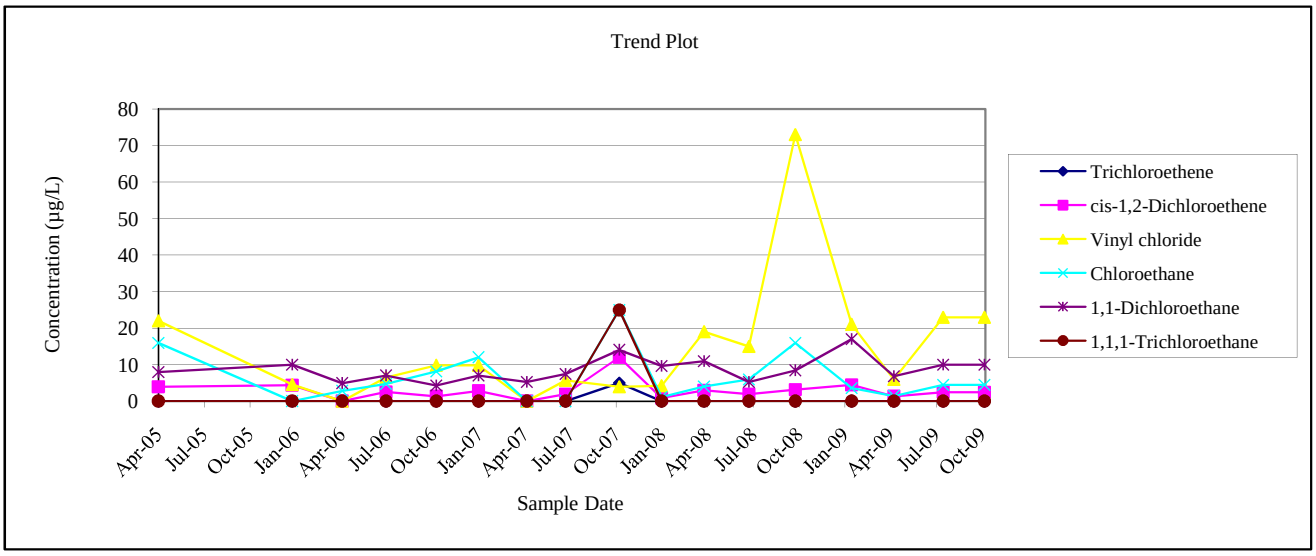
**MONITORING WELL MW-2**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

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



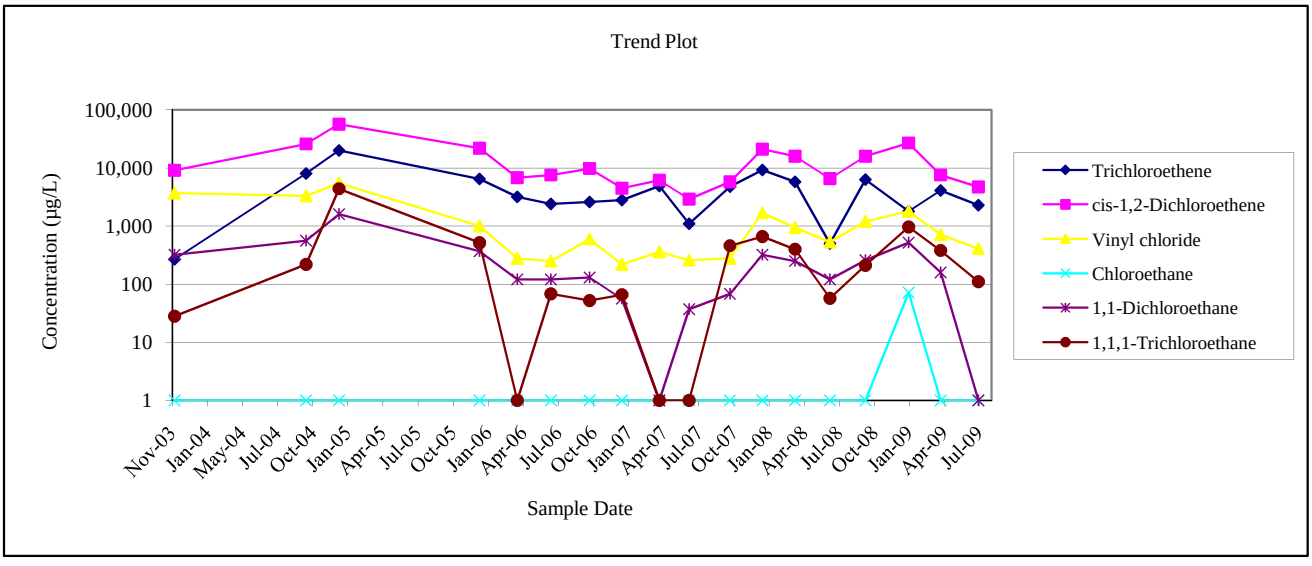
**MONITORING WELL MW-3**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| Sample Date | Analytical Results (µg/L) | | | | | |
|---|---|---|---|---|---|---|
| | Trichloroethene | cis-1,2-Dichloroethene | Vinyl chloride | Chloroethane | 1,1-Dichloroethane | 1,1,1-Trichloroethane |
| 4/14/2005 | < 10 | 4 | 22 | 16 | 8 | <10 |
| 1/5/2006 | < 25 | 4.4 | 4.6 | < 25 | 10 | < 25 |
| 4/14/2006 | < 25 | < 25 | < 25 | 2.8 | 4.9 | < 25 |
| 7/10/2006 | < 25 | 2.6 | 6.5 | 4.8 | 7 | < 25 |
| 10/18/2006 | < 5 | 1.3 | 9.8 | 8.2 | 4.3 | < 5 |
| 1/10/2007 | < 5 | 2.8 | 9.8 | 12 | 7 | < 5 |
| 4/16/2007 | < 20 | < 20 | < 20 | < 20 | 5.3 | < 20 |
| 7/2/2007 | < 5 | 2 | 5.7 | < 5 | 7.5 | < 5 |
| 10/17/2007 | 5 | 12 | 4 | 25 | 14 | 25 |
| 1/9/2008 | < 5 | 0.9 | 4.2 | 1.2 | 9.7 | <5 |
| 4/3/2008 | <5 | 3 | 19 | 4.1 | 11 | <5 |
| 7/1/2008 | <5 | 2 | 15 | 6 | 5.3 | <5 |
| 10/1/2008 | <5 | 3.2 | 73 | 16 | 8.4 | <5 |
| 1/21/2009 | <5 | 4.5 | 21 | 3.6 | 17 | <5 |
| 4/15/2009 | <5 | 1.3 | 6 | 1.4 | 6.9 | <5 |
| 7/22/2009 | <5 | 2.5 | 23 | 4.5 | 10 | <5 |
| 10/12/2009 | <5 | 2.5 | 23 | 4.5 | 10 | <5 |



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

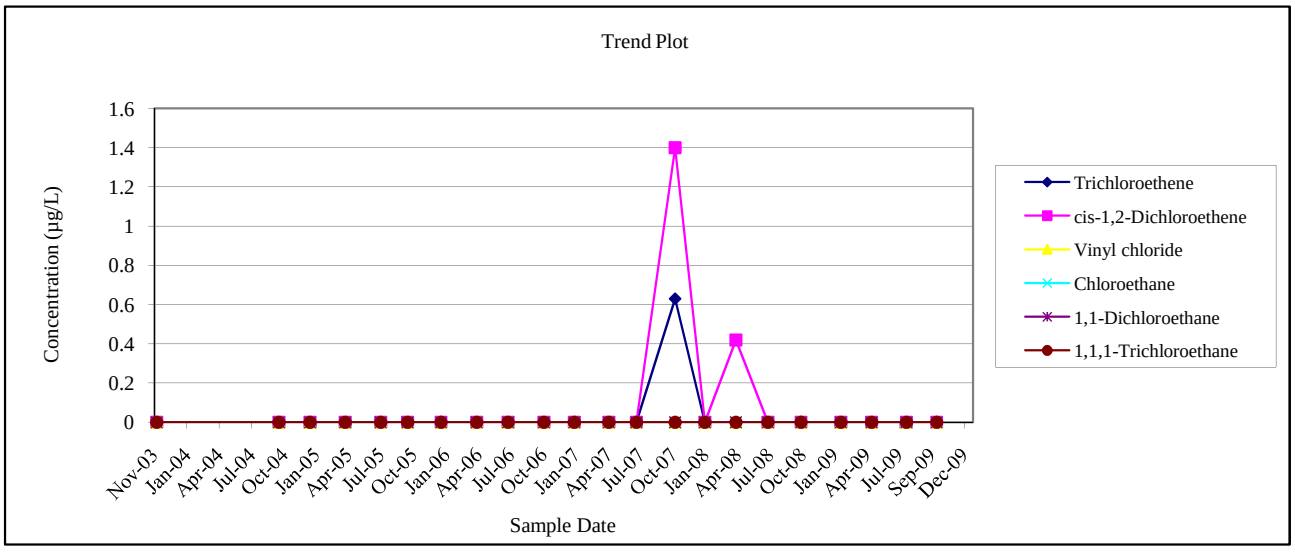
| Sample Date | Analytical Results (µg/L) | | | | | |
|---|---|---|---|---|---|---|
| | Trichloroethene | cis-1,2-Dichloroethene | Vinyl chloride | Chloroethane | 1,1-Dichloroethane | 1,1,1-Trichloroethane |
| 11/7/2003 | 270 | 9,100 | 3,700 | <10 | 320 | 28 |
| 10/13/2004 | 8,100 | 26,000 | 3,300 | < 1,000 | 560 | 220 |
| 1/7/2005 | 20,000 | 57,000 | 5,500 | < 2,000 | 1,600 | 4,400 |
| 1/6/2006 | 6,500 | 22,000 | 1,000 | < 2,000 | 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 | 4800 | 5800 | 280 | < 500 | 68 | 460 |
| 1/9/2008 | 9200 | 21000 | 1700 | < 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 |




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

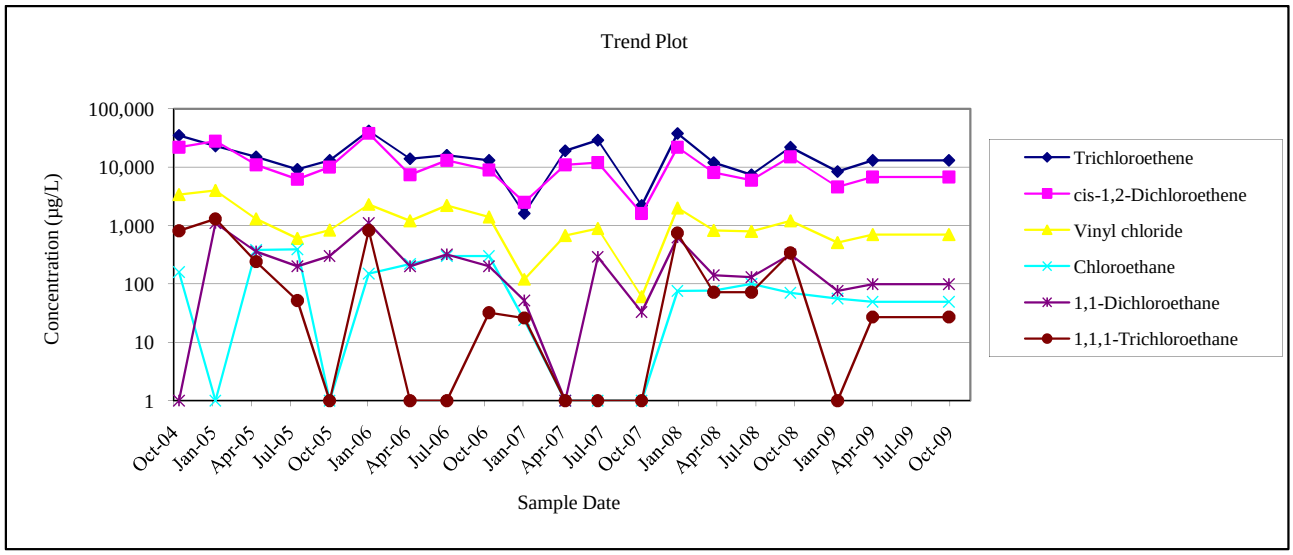
**MONITORING WELL MW-6**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

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



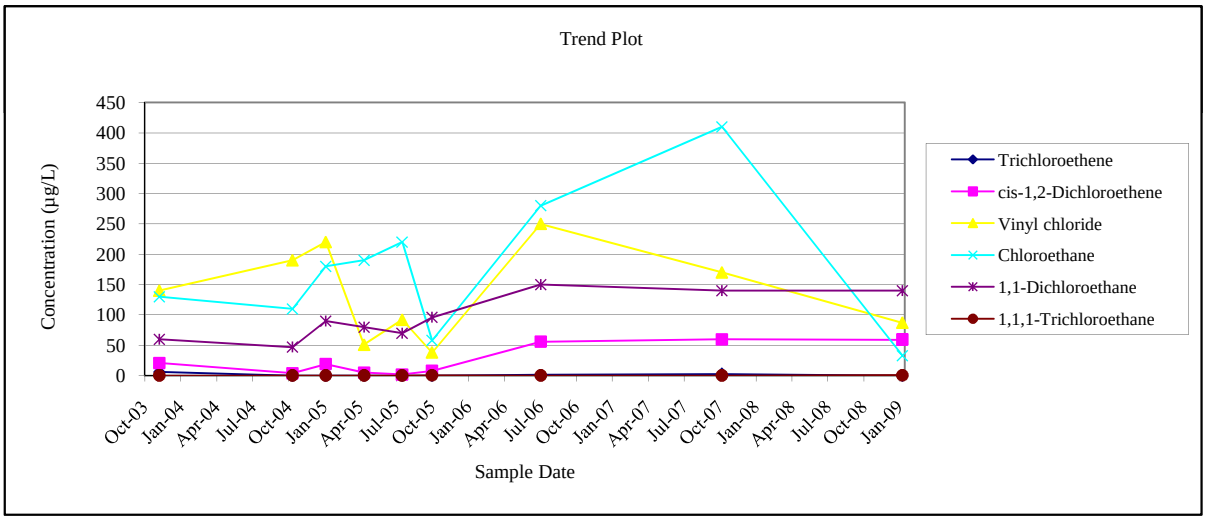
**MONITORING WELL MW-8R**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



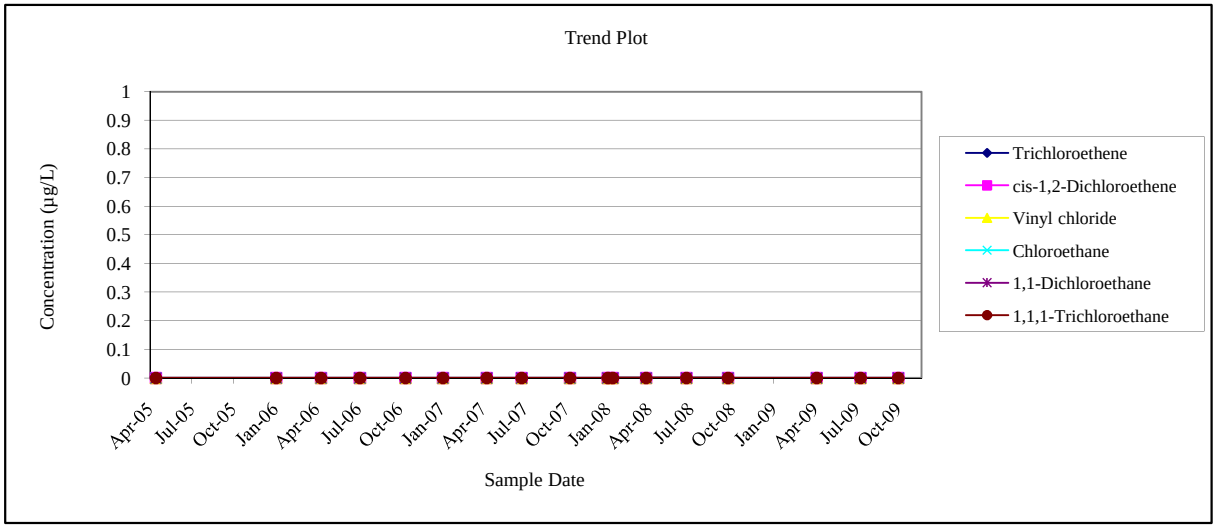
**MONITORING WELL MW-9**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



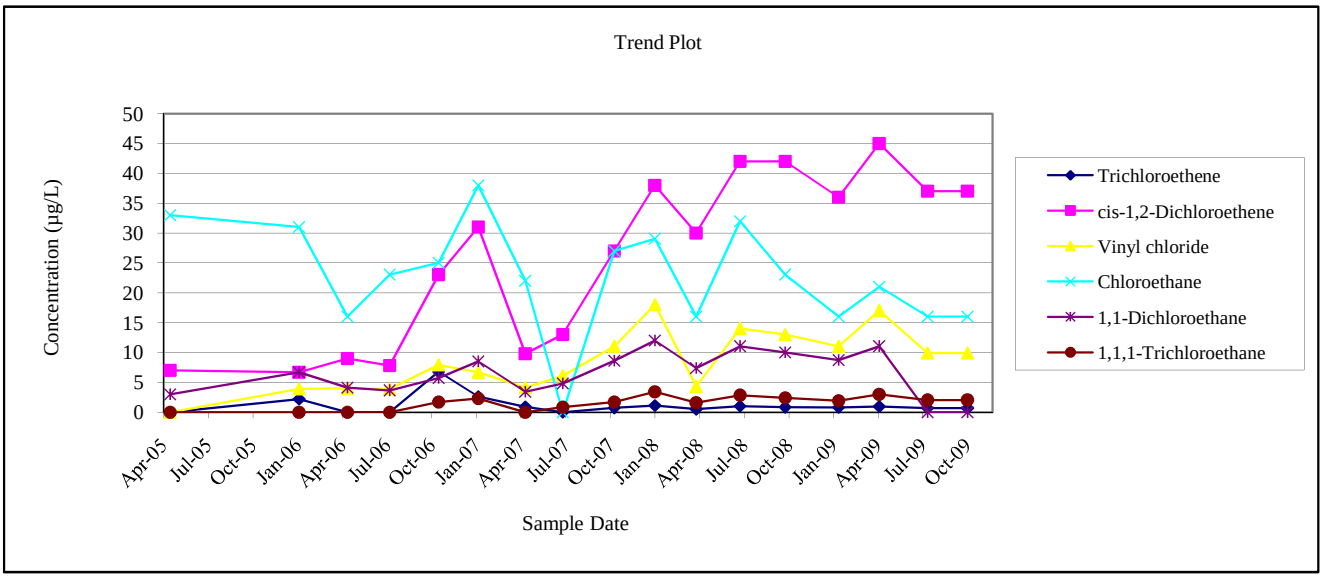
**MONITORING WELL MW-10**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



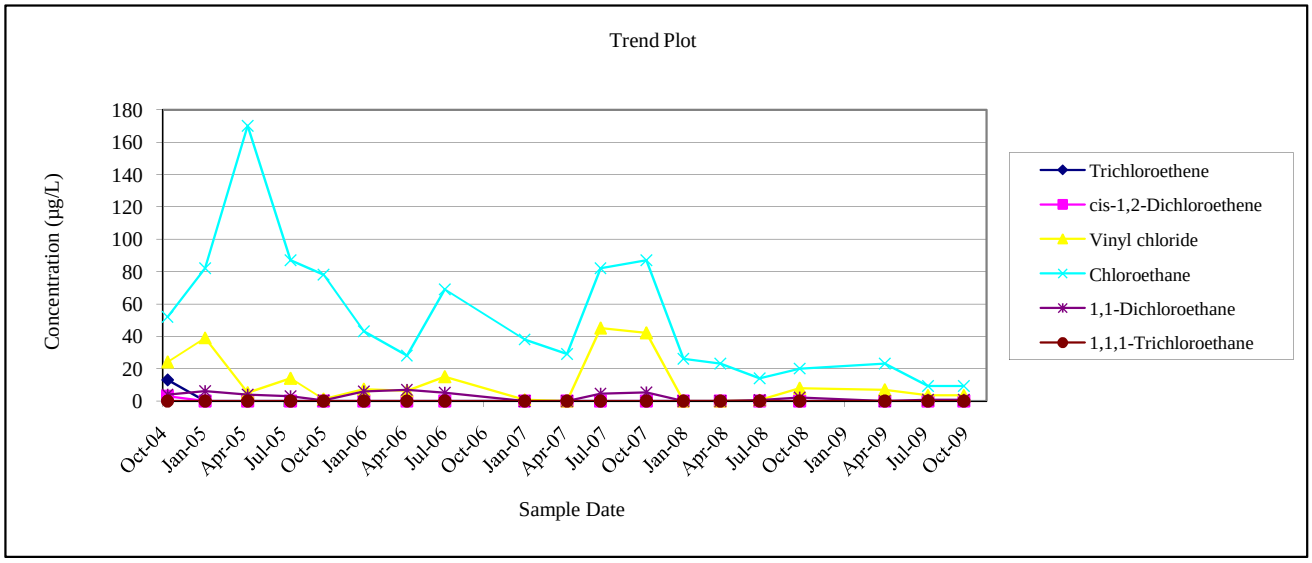
**MONITORING WELL MW-11**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| Sample Date | Analytical Results (µg/L) | | | | | |
|---|---|---|---|---|---|---|
| | Trichloroethene | cis-1,2-Dichloroethene | Vinyl chloride | Chloroethane | 1,1-Dichloroethane | 1,1,1-Trichloroethane |
| 4/14/2005 | < 10 | 7 | < 10 | 33 | 3 | < 10 |
| 1/5/2006 | 2.2 | 6.7 | 3.9 | 31 | 6.7 | <20 |
| 4/14/2006 | < 20 | 9 | 4 | 16 | 4.1 | < 20 |
| 7/10/2006 | < 20 | 7.8 | 3.9 | 23 | 3.6 | < 20 |
| 10/19/2006 | 6.8 | 23 | 7.9 | 25 | 5.7 | 1.7 |
| 1/9/2007 | 2.6 | 31 | 6.7 | 38 | 8.5 | 2.3 |
| 4/16/2007 | 0.89 | 9.8 | 4.1 | 22 | 3.4 | <5 |
| 7/2/2007 | < 5 | 13 | 6.1 | < 5 | 4.8 | 0.84 |
| 10/16/2007 | 0.71 | 27 | 11 | 27 | 8.6 | 1.7 |
| 1/8/2008 | 1.1 | 38 | 18 | 29 | 12 | 3.4 |
| 4/2/2008 | 0.49 | 30 | 4.3 | 16 | 7.4 | 1.6 |
| 7/1/2008 | 1 | 42 | 14 | 32 | 11 | 2.8 |
| 10/2/2008 | 0.81 | 42 | 13 | 23 | 10 | 2.4 |
| 1/20/2009 | 0.77 | 36 | 11 | 16 | 8.7 | 1.9 |
| 4/14/2009 | 0.95 | 45 | 17 | 21 | 11 | 3 |
| 7/22/2009 | 0.69 | 37 | 9.9 | 16 | <5 | 2 |
| 10/13/2009 | 0.69 | 37 | 9.9 | 16 | <5 | 2 |



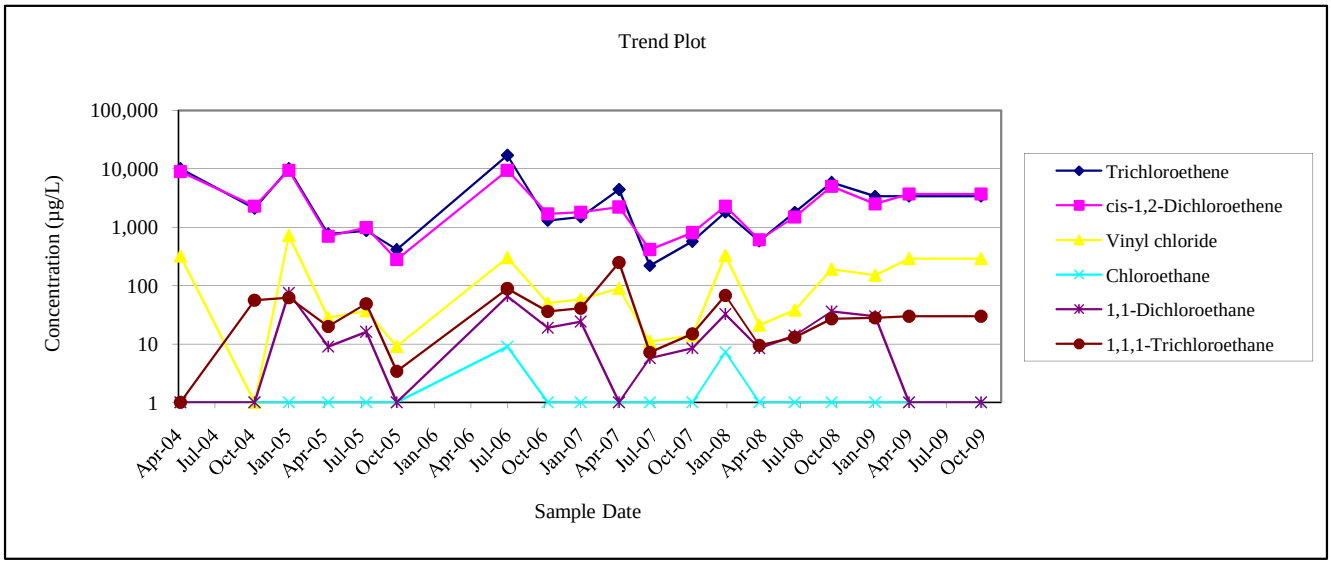
**MONITORING WELL MW-12**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| Sample Date | Analytical Results (µg/L) | | | | | |
|---|---|---|---|---|---|---|
| | Trichloroethene | cis-1,2-Dichloroethene | Vinyl chloride | Chloroethane | 1,1-Dichloroethane | 1,1,1-Trichloroethane |
| 10/12/2004 | 13 | 3 | 24 | 52 | 4 | < 10 |
| 1/6/2005 | < 10 | < 10 | 39 | 82 | 6 | < 10 |
| 4/14/2005 | < 10 | < 10 | 5 | 170 | 4 | < 10 |
| 7/21/2005 | < 5 | < 5 | 14 | 87 | 3 | < |
| 10/5/2005 | < 5 | < 5 | 1.2 | 78 | 0.43 | < 5 |
| 1/5/2006 | < 25 | < 25 | 7.2 | 43 | 5.8 | < 25 |
| 4/14/2006 | < 25 | < 25 | 6.3 | 28 | 6.9 | < 25 |
| 7/10/2006 | < 25 | < 25 | 15 | 69 | 5 | < 25 |
| 1/9/2007 | < 5 | < 5 | 0.83 | 38 | < 5 | < 5 |
| 4/16/2007 | < 20 | < 20 | < 20 | 29 | < 20 | < 20 |
| 7/2/2007 | < 5 | < 5 | 45 | 82 | 4.6 | < 5 |
| 10/15/2007 | < 5 | < 5 | 42 | 87 | 5.2 | < 5 |
| 1/8/2008 | < 5 | < 5 | < 5 | 26 | < 5 | < 5 |
| 4/2/2008 | < 5 | < 5 | < 5 | 23 | < 5 | < 5 |
| 7/1/2008 | < 5 | < 5 | 0.64 | 14 | 0.55 | < 5 |
| 10/1/2008 | < 5 | < 5 | 7.8 | 20 | 2.1 | < 5 |
| 4/14/2009 | <5 | <5 | 6.8 | 23 | <5 | <5 |
| 7/22/2009 | <5 | <5 | 3.6 | 9.2 | 0.79 | <5 |
| 10/12/2009 | <5 | <5 | 3.6 | 9.2 | 0.79 | <5 |



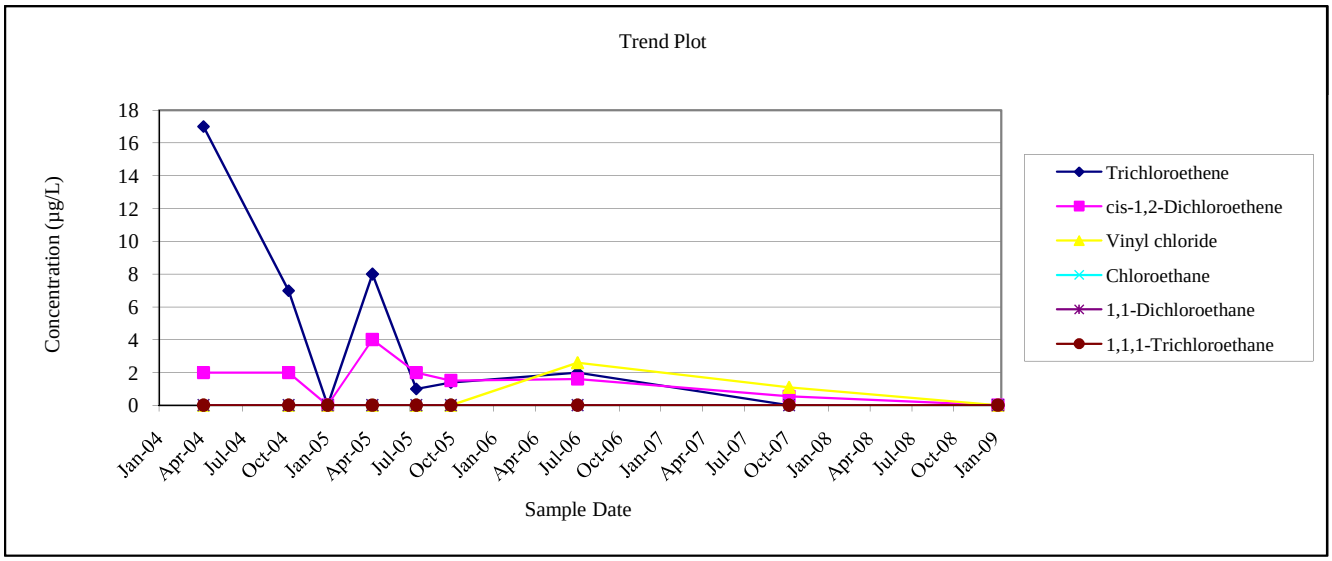
**PIEZOMETER MW-13S**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



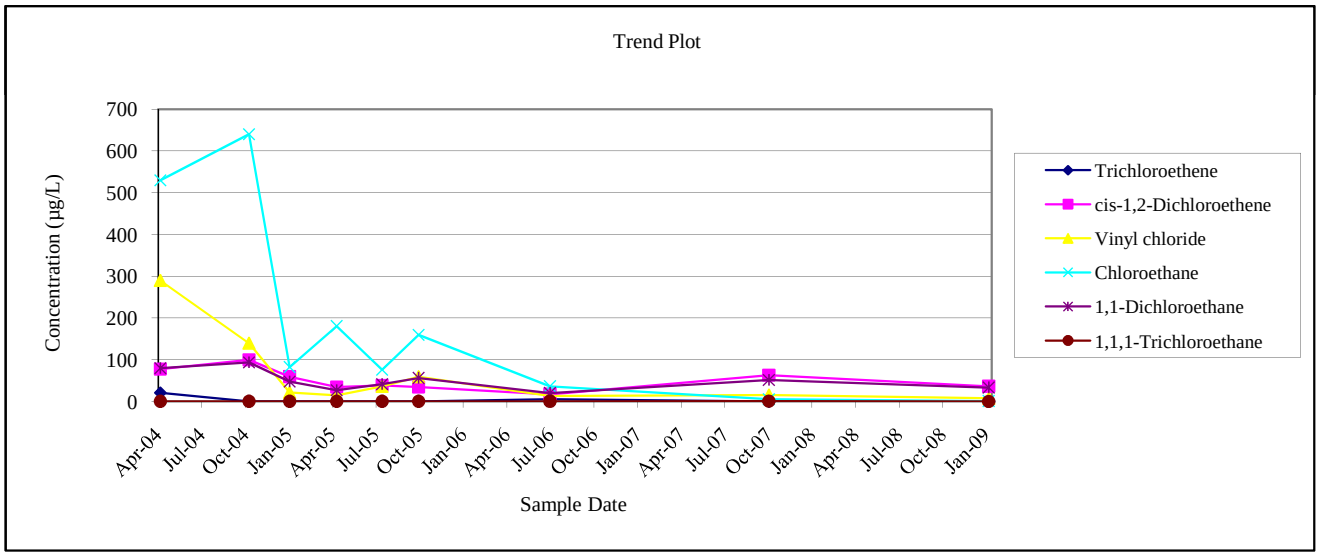
**PIEZOMETER MW-13D**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



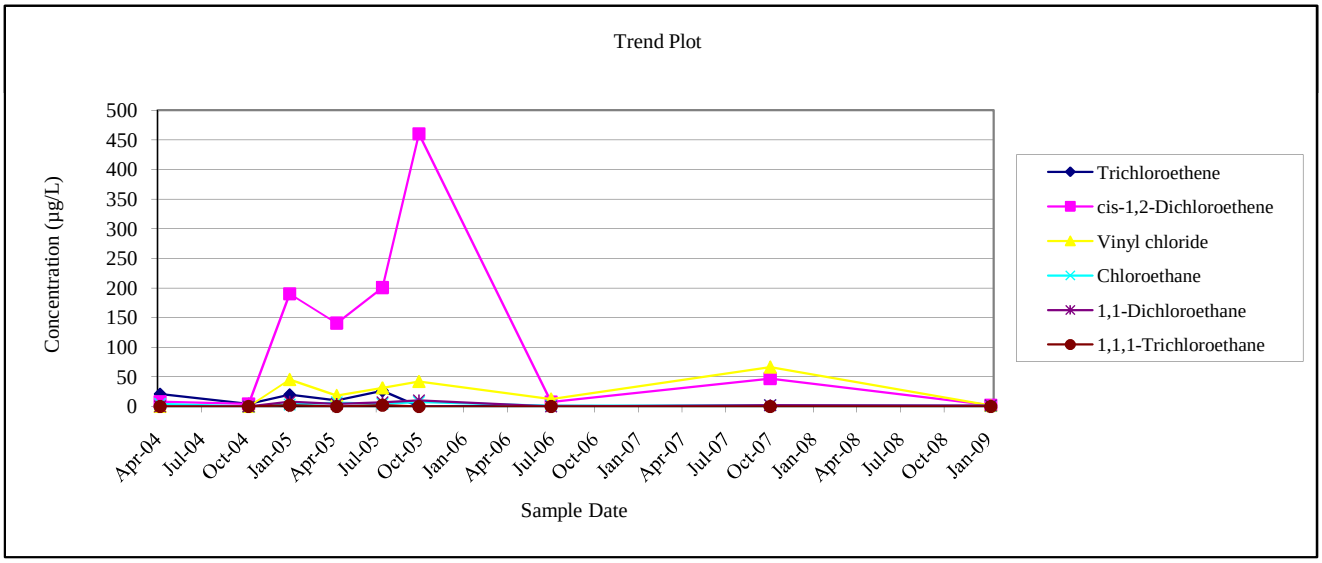
**PIEZOMETER MW-14S**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



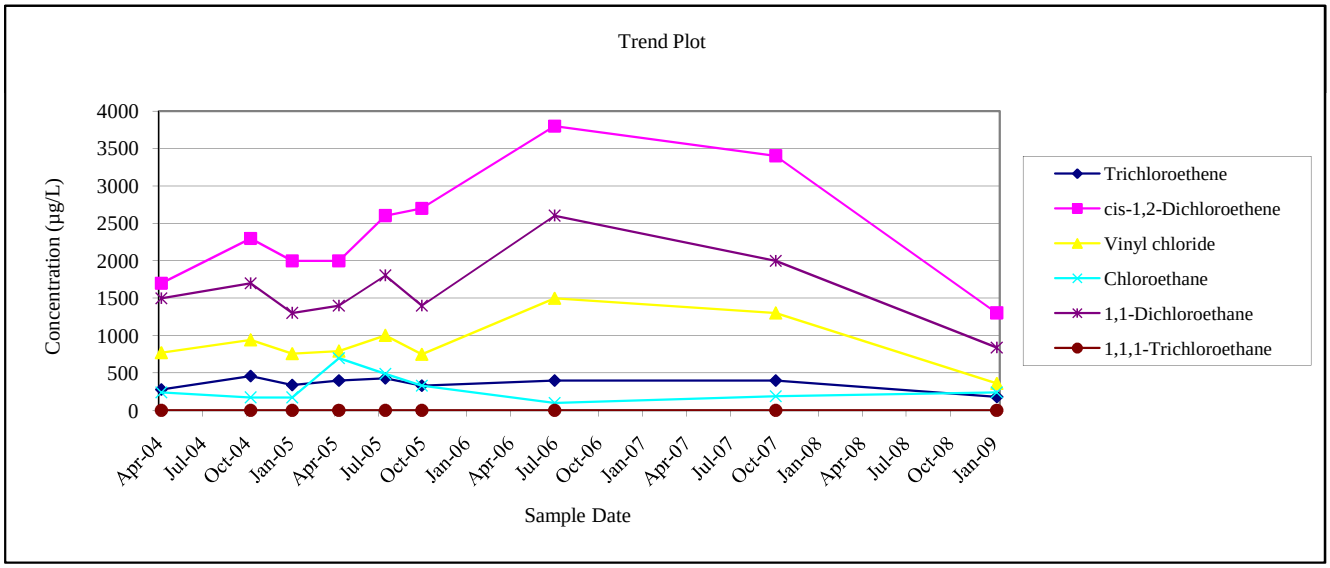
**PIEZOMETER MW-14D**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



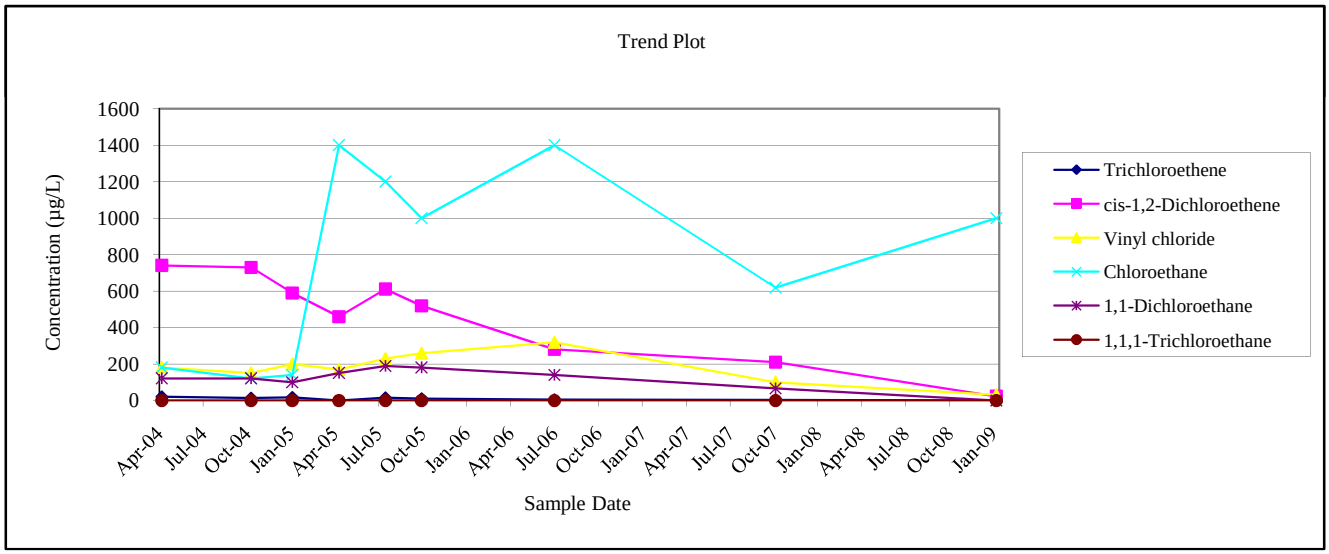
**PIEZOMETER MW-15S**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



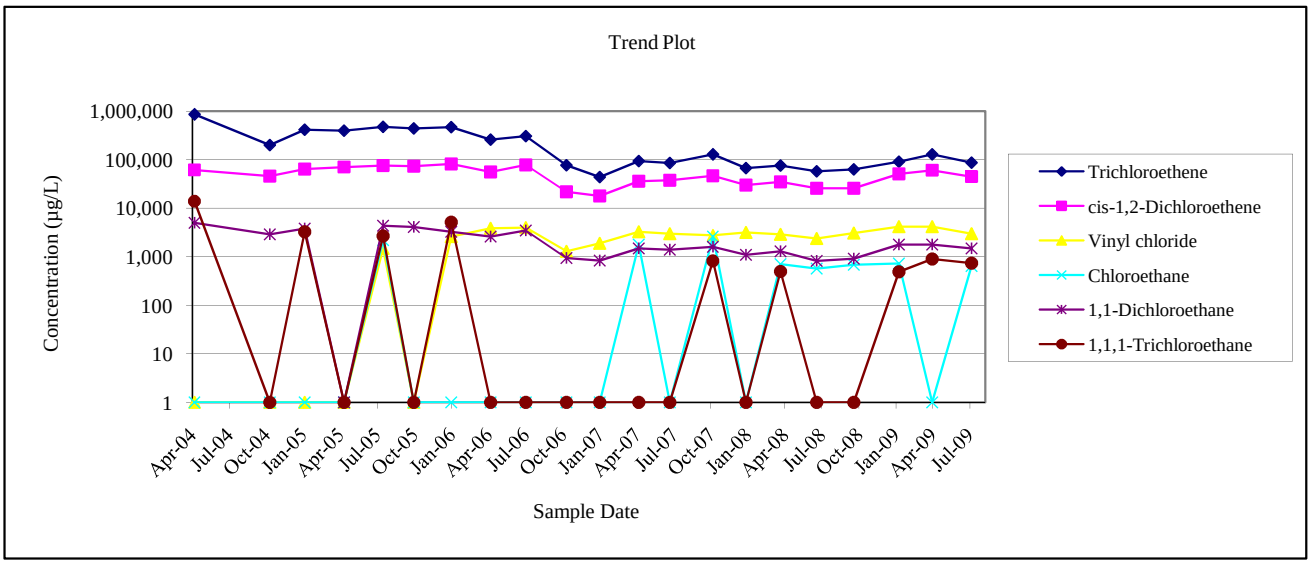
**PIEZOMETER MW-15D**
**SUMMARY OF VOCs IN GROUNDWATER**
**Former Scott Aviation Site**
**Lancaster, New York**

| 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 |



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

| Sample Date | Analytical Results (µg/L) | | | | | |
|---|---|---|---|---|---|---|
| | Trichloroethene | cis-1,2-Dichloroethene | Vinyl chloride | Chloroethane | 1,1-Dichloroethane | 1,1,1-Trichloroethane |
| 4/8/2004 | 860,000 | 62,000 | < 20,000 | < 20,000 | 5,000 | 14,000 |
| 10/12/2004 | 200,000 | 46,000 | < 10,000 | < 10,000 | 2,900 | < 10,000 |
| 1/7/2005 | 420,000 | 64,000 | < 10,000 | < 10,000 | 3,800 | 3,300 |
| 4/15/2005 | 400,000 | 71,000 | < 25,000 | < 25,000 | < 25,000 | < 25,000 |
| 7/21/2005 | 480,000 | 76,000 | 1,500 | 2,200 | 4,400 | 2,700 |
| 10/5/2005 | 440,000 | 74,000 | < 25,000 | < 25,000 | 4,100 | < 25,000 |
| 1/6/2006 | 470,000 | 82,000 | 2,600 | < 20,000 | 3,300 | 5,200 |
| 4/14/2006 | 260,000 | 56,000 | 3,900 | < 20,000 | 2,600 | < 20,000 |
| 7/10/2006 | 310,000 | 78,000 | 4,000 | < 20,000 | 3,500 | < 20,000 |
| 10/19/2006 | 77,000 | 22,000 | 1,300 | < 5,000 | 940 | < 5,000 |
| 1/10/2007 | 44,000 | 18,000 | 1,900 | < 2,500 | 840 | < 2,500 |
| 4/17/2007 | 94,000 | 36,000 | 3,300 | 1,800 | 1,500 | < 5,000 |
| 7/3/2007 | 86,000 | 38,000 | 3,000 | < 5,000 | 1,400 | < 5,000 |
| 10/18/2007 | 130000 | 47000 | 2800 | 2600 | 1600 | 820 |
| 1/8/2008 | 67000 | 30000 | 3200 | < 5000 | 1100 | < 5000 |
| 4/3/2008 | 76,000 | 35,000 | 2,900 | 710 | 1,300 | 500 |
| 7/2/2008 | 58,000 | 26,000 | 2,400 | 570 | 830 | <5000 |
| 10/2/2008 | 63,000 | 26,000 | 3,100 | 690 | 920 | <5000 |
| 1/22/2009 | 92,000 | 51,000 | 4,200 | 730 | 1,800 | 490 |
| 4/15/2009 | 130,000 | 61,000 | 4,200 | <2000 | 1,800 | 900 |
| 7/22/2009 | 87,000 | 45,000 | 3,000 | 650 | 1,500 | 740 |



**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 |