AECOM Environment

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May 2021

Periodic Review Report
(April 17, 2020 through April 9, 2021)

Former Scott Aviation Facility (Area 1)
Lancaster, New York
NYSDEC Site Code No. C915233

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List of Acronyms

1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
1,2-DCA	1,2-dichloroethane
1,1,1-TCA	1,1,1-trichloroethane
1,1,2-TCA	1,1,2-trichloroethane
AAR	Alternatives Analysis Report
ABC®	Anaerobic Biochem
ABC+®	Anaerobic Biochem with Zero Valence Iron
AECOM	AECOM Technical Services, Inc.
AMSL	above mean sea level
AVOX	AVOX Systems Inc
BCP	Brownfield Cleanup Program
bgs	below ground surface
CCR	Construction Completion Report
cis-1,2 DCE	cis-1,2-dichloroethene
cm/sec	centimeters per second
COC	contaminants of concern
COPC	constituents of potential concern
CVOC	chlorinated volatile organic compound
DHC	*Dehalococcoides* (bacteria)
DPT	Direct Push Technology
ERD	Enhanced Reductive Dechlorination
ESA	Environmental Site Assessment
ft	feet
HPT	hydraulic profiling tool
IC/EC	Institutional Controls/Engineering Controls
IRM	interim remedial measure
K	hydraulic conductivity
Matrix	Matrix Environmental Technologies, Inc.
mg/L	milligrams per liter
MIP	membrane interface probe
MNA	monitored natural attenuation

NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	operation and maintenance
PCB	polychlorinated biphenyl
PCE	Tetrachloroethene (Perchloroethene)
PGA	Preliminary Groundwater Assessment
PID	photoionization detector
PRR	Periodic Review Report
QA/QC	quality assurance / quality control
RAO	remedial action objective
RAWP	Remedial Action Work Plan
RI	remedial investigation
SCO	soil cleanup objective
SMP	Site Management Plan
SRI	Supplemental Remedial Investigation
SVI	soil vapor intrusion
sq	square
SVOC	semi volatile organic compound
TCE	trichloroethene
TOC	total organic carbon
TOGS	Technical and Operational Guidance Series
TVOC	total volatile organic compounds
µg/L	micrograms per liter
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VC	vinyl chloride
VOC	volatile organic compound
wt. %	weight percent
XSD	halogen specific detector
ZVI	zero valence iron

Executive Summary

On September 1, 2004, the former Scott Aviation Facility (three plant facility) was sold by Scott Technologies, Inc. to the current facility owner/operator, AVOX Systems Inc. (AVOX). On September 11, 2008, Scott Technologies, Inc. submitted an application for the area located adjacent to the southwest corner of the Plant 1 property (the "Site", also known as Area 1) to enter the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP), per Title 6 New York Codes, Rules, and Regulations Part 375-3.4 (Applications), effective December 14, 2006. Scott Technologies, Inc. applied for entry into NYSDEC BCP as a participant to investigate and remediate, as appropriate, potential areas of environmental concern associated with the Site. On July 8, 2009, NYSDEC approved the application and Scott Technologies was accepted into the BCP program as a participant (NYSDEC Site Code No. C915233). Scott Technologies, a successor to Figgie International, is now known as Scott Figgie LLC. In December 2015, AVOX was added to the Brownfield Cleanup Agreement as a Volunteer.

Soil, groundwater, surface water, and soil vapor impacts at the Site were outlined in reports submitted to the NYSDEC that describe the results of a series of investigations which took place over several years. Impacts identified during these investigations were addressed via interim remedial measures (IRMs) prior to the issuance in December 2015 of a final Decision Document and Certificate of Completion for the Site.

Based on the implementation of the IRMs and a groundwater injection program conducted in March 2019, findings from the investigation of the Site indicate that the Site no longer poses a threat to human health or the environment; therefore, No Further Action is the selected remedy by NYSDEC. The No Further Action remedy currently includes semi-annual groundwater monitoring, and inspections of the boiler room repairs to the floor cracks and joints and sealing of the annulus around each floor drain to mitigate the potential for subslab VOC vapors to enter the building.

Periodic groundwater monitoring has shown a notable decrease in the concentrations of contaminants of concern (COC) and no off-site migration of COCs in groundwater. Additionally, microbial analysis of shallow and deep overburden groundwater has indicated that the necessary microbes, such as *Dehalococcoides* (DHC), and degradation enzymes are present in subsurface groundwater.

A continuation of semi-annual groundwater monitoring for volatile organic compounds and monitored natural attenuation parameters at select Site wells, semi-annual inspections of the boiler room floor, and annual reporting per the NYSDEC-approved Site Management Plan is recommended for the next reporting period. No change is recommended to the existing Site Management Plan.

1.0 Introduction

On behalf of Scott Figgie LLC (successor to Scott Technologies, Inc.), and pursuant to the requirements of New York State Department of Environmental Conservation (NYSDEC), Decision Document (NYSDEC, December 2015) and Site Management Plan (SMP) (AECOM, December 2015), AECOM Technical Services, Inc. (AECOM) has prepared this Periodic Review Report (PRR) to summarize the groundwater monitoring activities for the former Scott Aviation facility (the "Site", also known as Area 1), NYSDEC Site Code No. C915233, located within two parcels at 215 and 221 Erie Street, Village of Lancaster, County of Erie, State of New York (**Figure 1**). The reporting period discussed herein encompasses the period from April 17, 2020 through April 9, 2021. During the reporting period, the Site has been owned and operated by AVOX Systems, Inc. (AVOX).

1.1 Report Organization

The purpose of this PRR is to provide a summary of the controls implemented for the Site as required by Section 7.2 of the SMP and to provide recommendations for future controls at the Site.

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

- An Executive Summary including a brief summary of the Site, nature and extent of contamination, remedial history, the effectiveness of the remedial program, and recommendations for changes to the SMP;
- A brief summary of the Site and PRR organizational details (Section 1.0);
- A Site overview, describing the Site location, significant features, surrounding areas, and the extent of environmental impacts prior to Site remediation. A description of the chronology of the main features of the remedial program for the Site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection (Section 2.0);
- A groundwater monitoring program summary including a description of the requirements of the monitoring, a summary of the groundwater monitoring activities completed during the PRR reporting period, a comparison of the most recent (April 2021) groundwater results to the Remedial Action Objectives (RAOs) of the Site, and conclusions regarding the monitoring completed and the resulting evaluations regarding remedial performance, effectiveness, and protectiveness (Section 3.0);
- A description of the Site inspections, associated operations and maintenance (O&M) tasks completed and recommendations for improvements (Section 4.0);
- A summary of overall conclusions and recommendations regarding compliance with the SMP, performance and effectiveness of the remedy, a description of upcoming Site-related activities, and a proposed monitoring and compliance sampling and reporting schedule (Section 5.0);
- A review of the Institutional Controls/Engineering Controls (IC/EC) for the Site (Section 6.0); and,

- References used in the preparation of this report (Section 7.0).

2.0 Site Overview

The following subsections present a description of the Site location, significant features, surrounding areas, and the extent of contamination prior to the Site remediation. A description of the chronology of the main features of the remedial program for the Site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection are also presented.

2.1 Site Location

The Site is located in Lancaster, Erie County, New York and is identified as Section 104 Block 5 and Lots 8 and 9 on the Erie County Tax Map; refer to **Figure 1** – Site Location Map. The Site is approximately 1.25 acres in area and is bounded by non-impacted AVOX land and then Erie Street to the north, railroad tracks to the south, AVOX Plant 1 (currently vacant) to the east, and residential zoned property (with a house) to the west; refer to **Figure 2** – Site Layout Map).

2.2 Physical Setting

2.2.1 Land Use

The Site consists of the following: outbuildings that support Plant 1 (which is not part of the Site), asphalt driveways and parking areas, and lawn and brush-covered areas. Site occupants include only occasional maintenance and shipping/receiving personal, as manufacturing activities have been moved to the two plants located on the north side of Erie Street.

The land adjoining the Site and in the neighborhood surrounding the Site includes both commercial and residential properties. The property immediately south of the Site includes railroad tracks; the properties immediately north of the Site include additional AVOX land and commercial properties; the properties immediately east of the Site include AVOX Plant 1 and its parking lot, and then residential properties (including vacant land); and the properties to the west of the Site include residential parcels.

2.2.2 Site Geology/Hydrogeology

The native soils underlying the Site generally consist of interbedded silts and clays, with discontinuous sporadic fine sand lenses (shallow overburden). A thin coarse-grained layer of weathered shale is located above the bedrock (deep overburden). Overburden thickness ranges from 20 feet (ft) in the southern portion of the Site to 26 ft in the northern portion of the Site.

The average depth to bedrock is approximately 21 ft. Bedrock was observed to consist of black shale of the Marcellus Formation (Hamilton Group).

A transect for a geologic cross section with monitoring well and piezometer locations is shown on **Figure 3**, and the geologic cross-section is shown on **Figure 4**.

Groundwater monitoring wells were installed at three intervals: shallow overburden, deep overburden, and bedrock; the one bedrock well was decommissioned in October 2017. Overburden groundwater is first encountered at the Site in the shallow overburden, and then again just above the bedrock. An observation of the groundwater within the deep overburden, which is present on top of bedrock, indicates a semi-confined state.

Results of the in-situ hydraulic conductivity (K) tests performed in the monitoring wells at the Site during the BCP Remedial Investigation (RI) showed that K values range from 1.49E-03 centimeters per second (cm/sec) to 3.13E-05 cm/sec in the shallow overburden and range from 4.72E-03 cm/sec to 8.96E-05 cm/sec in the deep overburden. Hydraulic conductivity testing was not performed in the bedrock monitoring well.

The natural flow of groundwater at the Site in both the shallow and deep overburden is to the northwest. The flow direction is most pronounced in the deep overburden, as the flow of shallow overburden groundwater within the Site is significantly influenced by seasonal standing water to the southwest, a storm sewer network cutting through the Site, large asphalt areas to the north and east, and Plant 1 to the east. Depth to groundwater across the Site in both the shallow and deep overburden was measured in April 2021 and is discussed in detail in Section 3.0 of this report.

2.2.3 Site Investigation and Remedial History

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in Section 7.0.

The general historical operations that existed in the Plant 1 building adjacent to the Site were primarily manufacturing, development, testing, and distribution for aircraft and military supplied-air systems. The oldest portion of Plant 1 dates to the early 1950s. That original building was expanded several times, with most of it in place by 1975 except for a small warehouse addition in 1996. Plant 1 historical activities included the chemical cleaning and repainting of oxygen cylinders, the chemical cleaning (with inorganic acid solutions) and chromium plating (in a non-electrolytic “soak bath”) of metallic components of oxygen supply systems, and the fabrication of oxygen-regulating assemblies. Plant 1 also supported a Class 10,000 clean room and a Class 100,000 clean room. The office area contained management, administrative, engineering, training, and other support activities, and a cafeteria.

Since 2010, Plant 1 has no longer been used for production (i.e., painting and plating activities have terminated). The BCP boundary for the Site is located immediately west/southwest of Plant 1. In general, the pre-remediated areas as described below consisted of low-level metals in the top of the shallow overburden soil immediately south of Plant 1, volatile organic chemicals (VOCs) in shallow overburden soil at the fence gate southwest of Plant 2, and VOCs in shallow and deep overburden groundwater west/southwest of Plant 1. Note: the BCP boundary, or VOC-impacted groundwater plume, does not extend off the AVOX property.

2.2.3.1 Phase I

In 2004, a Phase I Environmental Site Assessment (ESA) was performed at the Site by Earth Tech, Inc. (now AECOM) on behalf of then owner, Scott Technologies, Inc. The entire facility was sold to the current owner, AVOX, in September 2004. Historical aerial photographs included in the Phase I ESA Report indicated an area of potentially disturbed soil on the west side of Plant 1, south of the

existing visitor parking area, and just outside the Plant 1 western perimeter fence line on the adjacent vacant parcel (Earth Tech, April 2004). The Phase I ESA also identified two former underground storage tanks (USTs) that had contained gasoline starting in the early 1970s that were removed from the southeastern portion of the Plant 1 Area in November of 1987; however, no records were found to indicate that any post-excavation sampling was done to demonstrate that the soil and groundwater in their vicinity had not been impacted.

Another former UST that had contained gasoline from an unknown date until the early 1970s was reportedly cleaned and closed in place at that time by filling it with sand. It is believed to be located beneath the current hazardous materials storage shed. No records were found to indicate exactly where that tank is located, when closure occurred, or that any post-closure sampling was done to demonstrate that soil and ground water in the vicinity had not been impacted. From the early 1950s to about 1973, used sand from a steel-casting foundry operation, located in the western portion of Plant 1, was disposed behind (south of) Plant 1.

2.2.3.2 Phase II

A Phase II Environmental Site Investigation was completed in 2004 for the entire Scott Aviation facility, to address environmental concerns described in the Phase I ESA Report, including the area of potentially disturbed soil on the west side of Plant I. During the Phase II ESI, seven test pits were excavated. Residual paint sludge of unknown origin was observed in two of the test pits. The paint sludge area was approximately 150 square (sq) ft in size and located just west and south of the vehicle gate located in the western perimeter fence, immediately north of the water tower. Elevated levels of VOCs and semi-volatile organic compounds (SVOCs) present in the soil immediately below the waste indicated that some leaching of the waste had occurred (Earth Tech, June 2004).

2.2.3.3 Interim Remedial Measure - Soil Excavation

On June 28, 2005, Earth Tech, in accordance with a NYSDEC-approved Interim Remedial Measures (IRM) / Supplemental Site Investigation Work Plan, performed an initial excavation of the buried paint sludge material located to the west of Plant 1. A total of 60 cubic yards of soil was excavated to the west of Plant 1, down to the level at which groundwater was encountered - about 6 ft below ground surface (bgs). Further excavation was not completed during the IRM, as the scope of work only addressed vadose zone soil.

2.2.3.4 Preliminary Groundwater Assessment

The above investigations identified the general areas of concern at the Site. As a result of the elevated VOC and SVOC soil concentrations detected in the excavation bottom at Area 1 during the 2005 IRM, a Preliminary Groundwater Assessment (PGA) was performed in 2006 and 2007. The purpose of the PGA was to assess the nature and extent of VOCs in groundwater in the vicinity of Area 1. A series of groundwater wells was installed, and samples were collected and analyzed as a part of the PGA (Earth Tech, January 2008). Eighteen temporary piezometers were installed during the PGA to monitor shallow overburden groundwater. Groundwater samples collected from these piezometers contained VOCs, with 18 of these compounds detected at concentrations that exceeded the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC, June 1998, January 1999 errata sheet, April 2000 addendum, June 2004 addendum) protection for source of drinking water (groundwater) standards (i.e., water class GA); herein referred to as TOGS 1.1.1 groundwater standards. Samples of deep overburden groundwater also contained VOCs but to a lesser degree than the shallow overburden groundwater.

2.2.3.5 Remedial Investigation

The BCP RI began in December 2010 with the completion of soil borings, the installation of monitoring wells, and the collection of soil, groundwater and vapor samples for chemical analysis. This initial work was completed during the summer of 2010 following the approval of the Remedial Investigation / Alternatives Analysis Work Plan (AECOM, February 2010) and addendum to the Remedial Investigation / Alternatives Analysis Work Plan (AECOM, May 2010). A Supplemental RI (SRI) (Supplemental Remedial Investigation Report, AECOM, April 2012), describing work completed in June 2011, included the installation of additional monitoring wells, groundwater sampling, and an evaluation of a storm sewer system that was located throughout the BCP Site. The RI and SRI were performed to gather the data necessary to complete the characterization of chemical presence in on-site groundwater, soil, and soil vapor, in order to identify and evaluate necessary and appropriate remedial alternatives as presented in the Remedial Investigation Report (AECOM, September 2011). The proposed remedial alternatives were presented in an Alternatives Analysis Report (AAR) (AECOM, September 2015). That AAR was completed in accordance with the NYSDEC DER Draft BCP Guide (NYSDEC, May 2004), 6 New York Codes, Rules and Regulations (NYCRR) Part 375 Environmental Remediation Programs (NYSDEC, December 14, 2006), and NYSDEC DER-10 (NYSDEC, May 3, 2010).

These studies investigated Area 1 for contamination in surface soil, subsurface soil, groundwater, and impacts to on-site storm sewers. Constituents of potential concern (COPCs) were identified for soil by comparison of maximum detected concentrations for VOCs to 6 NYCRR Part 375 Unrestricted Use soil cleanup objectives (SCOs), and for SVOCs, metals, pesticides, and polychlorinated biphenyls (PCBs) by comparison to 6 NYCRR Part 375 Commercial Use SCOs. COPCs were identified for groundwater by comparison of maximum detected concentrations for VOCs, SVOCs, metals, pesticides, and PCBs to TOGS 1.1.1 groundwater standards. The results of this comparison to applicable standards are detailed below:

- Surface Soil - VOC concentrations for surface soil (i.e., 0 to 2 inches bgs) were below the NYSDEC Subpart 375-6 SCOs for Unrestricted Use at the borings sampled. SVOC, metal, PCB, and pesticide concentrations were below the SCOs for Commercial Use, with the exceptions of benzo(a)pyrene (potentially resulting from asphalt paving and/or the adjacent active rail line) and the metals cadmium and nickel.

- Subsurface Soil - VOC concentrations from subsurface soil samples collected from borings during the RI and SRI were below the SCO for Unrestricted Use, with the exception of acetone and methylene chloride (common laboratory contaminants) at two borings: DPT8-2A and DPT8-2B, both located south of Plant 1. VOC concentrations from one confirmation sample collected from the bottom of the historic IRM (B-1A) had seven compounds exceeding Unrestricted Use SCOs (all seven compounds were below Commercial Use SCOs). SVOC, pesticide and PCB concentrations from subsurface soil samples were all below Unrestricted Use SCOs. Regarding metals, only mercury, copper, and cadmium exceeded SCOs for Commercial Use. These exceedances occurred at two borings: DPT8-1A and DPT8-2A.

- Groundwater - Analytical data for groundwater samples collected from the shallow and deep overburden wells during the RI and SRI identified the presence of VOCs exceeding TOGS 1.1.1 groundwater standards. Refer to **Figure 5** and **Figure 6** for the RI/SRI total VOC (TVOC) contaminant concentration contours for shallow and deep overburden concentration contours, respectively. There were no exceedances of TOGS 1.1.1

groundwater standards in the bedrock groundwater. The most frequently detected VOCs were trichloroethene (TCE) and its decomposition product cis-1,2-dichloroethene (cis-1,2-DCE). Refer to **Figure 7** and **Figure 8** for the RI/SRI TCE contaminant concentration contours for shallow and deep overburden concentration contours respectively. The greatest VOC concentrations were detected in the area of the previously-excavated source area during the 2005 IRM. At perimeter wells, VOCs were either not detected or were detected at concentrations below or slightly above TOGS 1.1.1 groundwater standards for TCE. See **Appendix A** for a summary of groundwater VOC data collected during the RI, SRI, and subsequent quarterly monitoring, and **Appendix B** for trend plots illustrating concentrations of contaminants of concern (COCs) over time which include 1,1,1-trichloroethane (1,1,1-TCA), 1,1,2-trichloroethane (1,1,2-TCA), 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), 1,2-dichlroethane (1,2-DCA), tetrachloroethene (PCE), TCE, cis-1,2-DCE, and vinyl chloride (VC). Per a NYSDEC comment letter dated August 23, 2019, cis-1,2- DCE was added as a Site COC. SVOCs in groundwater were below TOGS 1.1.1 groundwater standards. Three naturally occurring metals (iron, magnesium, and sodium) were detected in groundwater above TOGS 1.1.1 groundwater standards. No PCBs were detected, and only one pesticide was tentatively detected in one groundwater sample at a concentration greater than TOGS 1.1.1 groundwater standards. Refer to the AAR (AECOM, April 2015) for groundwater VOC, SVOC, metal, and PCB/pesticide data.

- Storm Sewer Catch Basins - A storm sewer with several catch basins is present in Area 1; refer to **Figure 3** for the location of the storm sewer system. VOCs were detected within storm sewer catch basins located on the Site and from water within the storm sewer pipe bedding. Groundwater is present above the storm sewer piping; refer to **Appendix A** for a summary of storm sewer VOC data and for temporary piezometer water sample data that was collected from within the storm sewer pipe bedding gravel near catch basin CB-1 at temporary piezometer TP-5 and approximately 130 feet to the north at TP-6. Refer to **Appendix B** for a trend plot of VOCs over time in catch basin CB-1.

- Soil Vapor - Based on the evaluation of the data against the decision matrices, a vapor intrusion condition is not present at the Site, and indoor air quality has not been adversely impacted by the presence of the adjacent groundwater plume. However, per a June 1, 2012 letter from the NYSDEC to Scott Figgie LLC, the New York State Department of Health (NYSDOH) considered this Site to be a significant threat due to elevated concentrations of VOCs in sub-slab soil vapor, and the potential for this vapor to impact indoor air. Refer to the AAR (AECOM, September 2015) for air sampling data, for vapor data compared to 2006 NYSDOH guidance values, and for the United States Environmental Protection Agency (USEPA) 2001 Building Assessment and Survey Evaluation database indoor air values, respectively.

2.2.3.6 Soil Vapor Intrusion Evaluation

Based on NYSDEC comments on the draft AAR (AECOM, April 2013), AECOM completed a targeted soil vapor intrusion (SVI) investigation for the Site in July 2013. The purpose of that SVI investigation was to assess whether soil vapor on the Site in the vicinity of a nearby residence at 205 Erie Street contained chlorinated VOCs (CVOCs), and if so, were they detected at concentrations sufficiently elevated to represent a potential indoor air quality issue for the nearby buildings (AECOM, August 2013). A second investigation and report were completed in September 2013 to follow up on one TCE detection in soil vapor above the method detection limit. Both

groundwater and soil samples were collected hydraulically downgradient of Area 1, between the facility and the 205 Erie Street residence, and focused on seven CVOCs that, per NYSDOH guidance values, should be considered as part of an SVI analysis for the residence: 1,1,1-TCA; cis-1,2-DCE; VC; 1,1-DCE; carbon tetrachloride, PCE, and TCE.

No CVOC listed above was reported in any of the soil or groundwater samples. Acetone was reported in one soil sample at 12 micrograms per kilogram (µg/kg). Acetone was also reported in five of the six groundwater samples and in the trip blank. The only other VOC reported was 2-butanone (methyl ethyl ketone) at 4.1 micrograms per liter (µg/L). AECOM reviewed historical soil, groundwater, soil vapor, and stormwater data from the northern portion of the Area 1 Site to assess the potential relationship between the low level TCE concentration reported in SV-1 in July 2013 and the Area 1 contamination. The collective data did not identify a clear relationship between the two that would warrant further SVI sampling at the residential property. Multiple media were evaluated. The property boundary between AVOX (which includes the Site) and 205 Erie Street does not appear to be impacted by the BCP Site (AECOM, October 2013).

2.2.3.7 Interim Remedial Measures - 2014

During a conference call between NYSDEC, Scott Figgie LLC, AECOM, and AVOX representatives on February 28, 2014, the NYSDEC recommended moving forward with the BCP cleanup in advance of an approved Final AAR by completing four IRMs to address soil and selected groundwater impacts at the Site. They included:

- Excavation and off-site disposal of shallow soils impacted by metals (cadmium, copper and nickel);
- Excavation and off-site disposal of subsurface soils impacted by VOCs in some locations;
- Grout sealing on-site storm sewer joints to prevent groundwater infiltration, and installation of impermeable plugs across the pipe bedding to prevent migration of groundwater; and
- Mitigation of SVI concerns at the AVOX boiler room (the only structure within Area 1 that is occasionally occupied).

Those four IRMs were described in an IRM Remedial Action Work Plan (RAWP) dated June 4, 2014 (AECOM). On August 14, 2014, NYSDEC provided approval to begin the described work per the 2014 IRM RAWP.

<u>Soil Excavation and Storm Sewer Interim Remedial Measures</u>

The 2014 IRM activities were initiated on September 8, 2014. The soil excavation and storm sewer IRMs were completed during October 2014. Metals-impacted soil was excavated to 1 ft bgs in the vicinity of MW-41B, with all confirmatory samples passing metal Commercial Use SCOs for the target parameters. Confirmation soil samples were collected from the excavation sidewalls and bottoms. Soil was excavated to 2 ft bgs in the vicinity of DPT8-1 and DPT8-2. Following the initial excavation, an additional 2 ft wide by 2 ft deep excavation occurred on the south side wall of DPT8-1 and on the north side wall of DPT8-2, until sample results were below Commercial Use SCOs. Following receipt of passing sample confirmation data, and with concurrence from the NYSDEC, the excavated areas were backfilled with imported soil that met NYSDEC Unrestricted Use SCOs and restored to pre-excavation conditions. Each excavation remained open until receipt

of soil analytical results determined that confirmation soil samples were below respective SCOs, and the NYSDEC issued approval to discontinue excavation.

VOC concentrations from soil confirmation bottom samples collected in 2005 following an IRM soil excavation were found to be in exceedance of the Unrestricted Use SCO. These samples were collected at or below typical shallow overburden groundwater depths. The concentrations of 1,1-DCE, cis-1,2-DCE, ethylbenzene, toluene, 1,1,1-TCA, TCE, and total xylenes exceeded NYSDEC Subpart 375-6 Unrestricted Use SCOs. An initial horizontal excavation limit was established following the same footprint of the previously excavated area (approximately 14 ft by 18 ft, by 6 ft deep). The 2014 IRM scope was to remove the top 0 to 6 ft of previous clean fill and excavate material from 6 to 8 ft bgs. Elevated Photoionization Detector (PID) headspace readings on side wall and bottom samples were observed following excavation of the 6 to 8 ft bgs interval and reported to NYSDEC. Due to the depth of observed elevated PID readings and below-average shallow groundwater elevations, an additional 2 ft of soil was removed from the side walls (where physical constraints allowed) and from the bottom of the excavation. Characterization samples from the side walls and bottom of the excavation were collected and resulted in VOC detections exceeding Unrestricted Use SCOs. Refer to the 2014 IRM Construction Completion Report (CCR) for characterization sample results and for the location of the VOC IRM. With approval from the NYSDEC, no further excavation of soil took place; impacts were left in place to be addressed as part of the groundwater IRM, since all impacted material was below the water table. Prior to backfilling, and with approval from the NYSDEC, 270 pounds of Klozur® CR engineered calcium peroxide was placed on the bottom of the excavation area and mixed with the small amount of groundwater that had accumulated in the excavation. Fill from the 2005 IRM and imported fill in compliance with NYSDEC DER-10 was used to backfill the excavation areas created for this IRM.

Following the completion of the IRMs in October 2014, AECOM submitted a draft IRM CCR on February 15, 2015 describing those 2014 IRMs. The 2014 IRM CCR was written in compliance with DER-10 Section 5.8, Construction Completion Report and Final Engineering Report, and summarized these IRM activities. The Final 2014 IRM CCR was approved by NYSDEC on March 27, 2015 (AECOM, March 2015).

Sub-slab Soil Vapor Interim Remedial Measure

On November 4, 2014, AECOM and NYSDEC inspected the concrete floor of the boiler room, and AECOM sealed visible floor cracks with concrete caulking. In addition, the annulus between a drain line effluent and the associated floor penetration and foundation perforations were sealed with expanding foam. Two other foundation perforations (drains) were observed and temporarily plugged with modelling clay just prior to a sampling event. The floor drains appeared to discharge to the bedding gravel beneath the concrete floor slab. On December 24, 2014 one sub-slab vapor sample, one indoor vapor sample, one ambient (outdoor) air sample, and an associated quality assurance / quality control (QA/QC) sample were collected from the boiler room building at AVOX Plant 1, to determine if CVOCs were currently at indoor concentrations sufficiently elevated to trigger a need for mitigation activities. The December 2014 indoor air sample did not detect any CVOCs listed in the NYSDOH Guidance document. The 2014 sub-slab vapor sample detected 1,1,1-TCA, cis-1,2-DCE, 1,1-DCE, PCE, and TCE. According to the NYSDOH decision matrices, PCE and TCE concentrations triggered an action of ‘monitor’ only, while the 1,1,1-TCA, cis-1,2-DCE, and 1,1-DCE concentrations were below an action level. Low concentrations of 1,1,1-TCA, cis-1,2-DCE, and TCE were detected in the ambient (outdoor) air sample. The sealing of floor cracks and foundation perforations decreased the concentrations in the indoor air samples and lowered the action level from ‘mitigation’ to ‘monitoring’ (AECOM, January 2015).

Groundwater Interim Remedial Measure

In 2014, an IRM pre-design investigation utilizing a combined membrane interface probe (MIP) and hydraulic profiling tool (HPT) was performed in Area 1; refer to **Figure 9** for MIP locations. That pre-design investigation was performed in accordance with the approved MIP/HPT and Baseline Sampling Work Plan (AECOM, October 2014).

On November 24-25, 2014, 11 borings were completed throughout the groundwater plume in Area 1 to a depth of 20 ft bgs, with the objective of verifying the distribution of VOC COPCs within that area. The MIP/HPT was used to capture data at continuous depths at each boring.

The 3D Imaging Summary, MIP/HPT Boring Summary, and MIP Data Cross Section figures summarized the field activities and results of the MIP/HPT analysis. Halogen specific detector (XSD) data were used as the prime indicator of CVOC impacts, as they are highly sensitive to CVOCs compared to the other data collection methods. Within the investigated zones, target treatment depths were identified using K data provided by the HPT analysis. The MIP/HPT results were generally consistent with the RI groundwater data collected from June 2010 through June 2011. The data indicated that there were lower VOC concentrations present in the northern portion of the Site and that, where present, they were limited to the upper 14 ft of the overburden. In the southern portion of the Site, VOC concentrations were greater and also present in significant concentrations throughout the entire depth of the soil borings, with the 5-15 ft bgs region exhibiting the highest XSD response. In addition to MIP-8 located in the center of the groundwater plume, the easternmost and westernmost boring locations, MIP-1 and MIP-11, showed the highest VOC concentrations.

Remedial activities for the groundwater IRM were described in the Final Remedial Action Work Plan - 2015 Interim Remedial Measures - Groundwater Treatment (2015 IRM RAWP) (AECOM, March 25, 2015). On April 10, 2015 the NYSDEC provided approval to begin the described work per the 2015 IRM RAWP; the groundwater injections commenced in April 2015 and were completed in May 2015. In accordance with the AAR and the 2015 IRM RAWP, the remedial approach to address VOCs in Site groundwater was in-situ enhanced reductive dechlorination (ERD) via direct-push injections of Anaerobic Biochem (ABC®) with zero valent iron (ZVI), i.e., ABC+®. Per the 2015 IRM RAWP, the treatment area was divided into two target depths zones: a 12,600 sq ft shallow injection zone and a 20,025 sq ft deep injection zone. In general, the shallow zone was defined as groundwater from 5 to 15 ft bgs, and the deep zone as groundwater from 15 to 25 ft bgs.

A total of 41 of the 47 planned injection point locations were successfully completed in the “shallow only” zone. Six of the 47 planned injection locations were not completed to avoid interference with utilities or as a result of observed breakthrough along the south and west sections of the injection grid. Approximately 23,370 pounds of ABC+® were injected to treat the shallow (only) zone at approximately 570 pounds of ABC+® per point. Mixed at approximately a 15 weight percent (wt. %) solution, this resulted in approximately 16,000 gallons of solution. Each injection point received approximately 390 gallons, divided up among intervals that had the highest permeability.

A total of 79 of the 89 planned injection points were successfully completed in the combined “shallow and deep” zone. Ten of the 89 planned injection locations were not completed to avoid interference with utilities or as a result of observed breakthrough along the south and west sections of the injection grid. Approximately 59,800 pounds of ABC+® was required to treat the shallow and deep zone at 757 pounds of ABC+® per point. Mixed at approximately a 15 wt. % solution, this resulted in approximately 40,300 gallons of solution. Each injection point received approximately 510 gallons, divided up among intervals that had the highest permeability.

Additional injection points were completed adjacent to the storm sewer system to reduce VOCs in the vicinity of the sewer pipe and to apply treatment into the storm sewer pipe bedding. Injection points were performed approximately five to six feet offset (upgradient) from the storm sewer line to establish a biobarrier that groundwater must flow through before entering the storm sewer bedding. Injection locations within the footprint of the TVOC plume that were adjacent to the storm sewer also addressed the storm sewer bedding. Injections associated with the storm sewer bedding were completed between 4 and 6 ft bgs. To protect the existing subsurface utility, injections immediately adjacent to the storm sewer consisted of only ABC® (without ZVI). One location received the planned 390 gallons of injectate; two other locations received only 50 gallons each to limit the volume of injectate breaking through to the ground surface.

The final 2015 IRM CCR describes work completed to remediate VOCs in Site groundwater (AECOM, August 12, 2015). Refer to **Figure 9** for the IRM injection zone details.

2.2.3.8 Supplemental Groundwater Injection

On May 15, 2019, NYSEC approved the 2019 Supplemental Injection Work Plan (AECOM, May 10, 2020). Between May 20, 2019 and May 22, 2019, AECOM and subcontractor Matrix Environmental Technologies, Inc. (Matrix) and their teaming partner Redox completed the supplemental groundwater injection event using ABC-Ole® and ZVI.

ABC-Ole® is an emulsified fatty acid product designed to address anaerobic bioremediation sites. It is a modified blend of ABC®, which contains a high fatty acid content ranging from 50-85% ABC®. The addition of ZVI to the ABC-Ole® immediately provides a large drop in oxidative reduction potential in the surrounding groundwater which is conducive to biotic reductive dechlorination. The ZVI also promotes an abiotic reductive dechlorination process where the degradation of the targeted groundwater VOCs occurs via the β-elimination pathway. This pathway does not create the degradation intermediates cis-1,2-DCE and vinyl chloride which are produced via the biotic reductive dechlorination pathway, and it also does not rely on the presence of *Dehalococcodies* (DHC) to achieve complete VOC destruction.

The combined ABC-Ole® and ZVI mixture was specifically designed to remediate impacted groundwater in an approximate 6,750 square foot area within the approximate 1,000 µg/L TVOC shallow overburden zone contour (which also overlies the 1,000 µg/L TVOC deep overburden zone contour). The area of injection encompasses the area around the most TVOC-impacted monitoring wells located on the Site: A1-GP02, A1-GP06, A1-GP10, MW-42S, MW-38D, and MW-40D. **Figure 10** depicts the supplemental injection area.

The injectate ABC-Ole®, mixed with ZVI, was injected at 30 locations using a DPT drill rig. Each injection point received approximately 240 gallons of injectate. The injectate was distributed at depth intervals 11, 14, 17, and 20 feet bgs, targeting the shallow and deep water bearing units, and was performed from a bottom to top sequence.

Approximately 7,500 pounds of ABC Ole® and 7,500 pounds of ZVI were injected to treat the approximately 10 foot thick zone at approximately 500 pounds of ABC-Ole® and ZVI per point. Mixed at approximately a 20 wt. % solution, this resulted in approximately 7,200 gallons of solution. Each injection point received approximately 240 gallons, divided up among intervals that had the highest permeability.

2.2.3.9 Storm Sewer Pipe Replacement

Per the NYSDEC approved Storm Sewer Replacement Work Plan dated June 12, 2020, approximately 200 linear feet of storm sewer piping was replaced by Matrix in June of 2020 between CB-4 and CB-E, CB-E and CB-3, and CB-3 and CB-2 (refer to **Figure 3** for the location of catch basins). This work was performed based on the ongoing detections of VOCs in quarterly Site grab samples collected since the 2014 IRM was completed. This section of storm sewer piping was replaced with a new 12-inch diameter SDR35 solid PVC pipe with watertight joints. It was presumed that over time, shallow groundwater entered the storm sewer pipes through pipe joints that may not have been sealed or through previously sealed pipe joints and at catch basins that were no longer watertight.

The impermeable "plugs" along the sections of pipe that were removed during replacement of the storm sewer pipe were re-installed with a grout slurry prior to backfilling activities, to continue to potentially prevent VOC-impacted groundwater from migrating off-Site through the pipe bedding material. In addition, a non-shrinking concrete/grout was used at four catch basins (CB-2, CB-3, CB-E, and CB-4) to seal the connections where the stormwater pipes enter and exit the catch basins.

During excavation activities, soils were scanned with a PID. Soils excavated between CB-E and CB-3 were observed to have elevated PID readings and were segregated and sampled for VOC and metals analysis. Per the analytical data and associated historic soil characterization data from the Site, the impacted soil was characterized as non-hazardous. Approximately 18.76 tons of soil was sent to Waste Management's landfill in Chaffee, NY for disposal.

During backfilling of the pipe section between CB-E and CB-3 (where the impacted soil was observed), coarse zero valent iron (ZVI; 80 percent between 150 and 600 microns) was scratch mixed using an excavator with the backfill material placed from the bottom of the excavation to approximately 2 feet below ground surface (i.e., within the saturated groundwater zone). Due to the concentration of VOCs in groundwater in this area and the size of the excavation required to replace the storm water pipe in this section (approximately 4 feet wide by 5 feet deep by 85 feet long), approximately 1,100 pounds or approximately 1.1 percent by weight of ZVI was used. The depth of soil to be treated by ZVI was approximately 3 feet since the top 2 feet of soil was above the water table, and vadose zone soil is not effectively treated by ZVI.

The removed sections of storm sewer pipe were decontaminated (i.e., soil was brushed and/or washed from pipe), cut to size, and placed in a roll-off box for disposal as municipal waste.

Following backfilling activities, the disturbed areas were restored in kind (i.e., crushed stone, asphalt, and grass seed depending on the pre-excavation conditions).

2.3 Remedial Action Objectives

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The goal for the remedial program is to restore the Site to pre-disposal conditions to the extent feasible. At a minimum, the remedy must eliminate or mitigate all significant threats to the public health and the environment presented by the CVOCs and metals identified at the Site through the proper application of scientific and engineering principles.

The RAOs for the Site as listed in the Decision Document (NYSDEC, December 2015) are as follows:

2.3.1 Groundwater

- RAOs for Public Health Protection
    - Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
    - Prevent contact with, or inhalation of, VOCs from impacted groundwater.
- RAOs for Environmental Protection
    - Restore the ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
    - Prevent the discharge of COCs to surface water.
    - Remove the source of ground or surface water constituents of concern.

2.3.2 Soil

- RAOs for Public Health Protection
    - Prevent ingestion/direct contact with impacted soil.
    - Prevent inhalation of or exposure from contaminants volatilizing from soil.
- RAOs for Environmental Protection
    - Prevent migration of constituents that would result in groundwater or surface water contamination.

2.3.3 Soil Vapor

- RAOs for Public Health Protection
    - Mitigate impacts to public health resulting from existing, or the potential for, SVI into buildings at a site.

2.4 Contaminants of Concern

Eight COCs in groundwater have been determined through sampling associated with the RI and SRI. Per the Decision Document (NYSDEC, December 2015), Section 6.1.2 (NYSDEC, December 2015), a “contaminant of concern” is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all constituents identified on the Site are COCs. The groundwater COCs identified at the Site and their associated RAOs (Guidance or Standard Values) from TOGS 1.1.1 groundwater standards are listed below:

- 1,1,1-TCA – 5 µg/L
- 1,1,2-TCA – 5 µg/L
- 1,1-DCA – 5 µg/L
- 1,1-DCE – 5 µg/L
- 1,2-DCA – 0.6 µg/L
- *cis-1,2-DCE - 5 µg/L

- PCE – 5 µg/L
- TCE – 5 µg/L
- VC – 2 µg/L

*Per NYSDEC comment letter dated August 23, 2019, cis-1,2-DCE was added as a Site COC.

3.0 Groundwater Monitoring Program Summary

The following sections provide a summary of the groundwater monitoring program completed during the reporting period (April 17, 2020 through April 9, 2021); a comparison of the groundwater data collected from the October 2020 and April 2021 monitoring events to the COCs and historical groundwater analytical data; and conclusions regarding the monitoring completed and the resulting evaluations regarding remedial performance, effectiveness, and protectiveness.

3.1 Groundwater Monitoring Activities

In accordance with the SMP and NYSDEC February 28, 2020 approval to change the groundwater monitoring frequency from quarterly to semi-annually, the groundwater monitoring program during the reporting period consisted of two comprehensive semi-annual monitoring events (October 2020 and April 2021). These sampling events, following the IRMs and the supplemental groundwater injections described in Section 2.2.3.7 and Section 2.2.3.8 respectively, were conducted to determine the effectiveness of the groundwater remedy.

Semi-annual sampling was performed at 20 wells, two temporary piezometers screened in the storm sewer pipe bedding, and five on-site storm water catch basins. Refer to **Figure 3** for the location of the sampling points.

Groundwater samples from the monitoring wells were analyzed for VOCs and total organic carbon (TOC). Seven monitoring wells (four shallow overburden and three deep overburden) were also sampled for monitored natural attenuation (MNA) parameters. The two temporary piezometers screened in the storm sewer pipe bedding, and one on-site storm water catch basin, were analyzed for VOCs only. Groundwater analyses for VOCs, TOC, and MNA were performed by Eurofins TestAmerica, Inc. located in Amherst, New York. Two monitoring wells (one shallow overburden [MW-42S] and one deep overburden [MW-38]) were sampled in April 2021 as part of an annual event for concentrations of dechlorinating bacteria (DHC) and specific degradation enzymes. Analysis was performed by Microbial Insights, Inc. located in Knoxville, Tennessee. The groundwater monitoring program is summarized in **Table 1**.

Monitoring of groundwater conditions at this Site includes both groundwater level measurements and groundwater sampling and analysis. All monitoring and laboratory data, including QA/QC samples, have been uploaded to the NYSDEC EQuIS database. In addition, groundwater purge data, water levels, and VOC, TOC, MNA, and microbial data from these two semi-annual events, as well as groundwater data collected prior to the IRMs, are summarized in **Appendix A**.

Groundwater samples were divided into three different groups based on historical analytical concentrations from individual wells: plume wells, downgradient wells, and upgradient wells (refer to **Table 2** for monitoring well, piezometer, and catch basin specifications). To the extent practical, wells were sampled from lowest to highest historical VOC concentrations. QA/QC samples including field duplicates, rinse blanks, and trip blanks were collected at the recommended rates stated in the SMP.

In accordance with the SMP, standard low-flow sampling procedures were followed. Each well was purged using a peristaltic pump with dedicated/disposable polyethylene tubing. During purging, field parameters (pH, dissolved oxygen, oxidation-reduction potential, specific conductance, turbidity, and

temperature) were measured and recorded. Refer to **Appendix A** for the final field parameter readings that were recorded prior to sample collection from each well and to **Appendix C** for purge logs from the October 2020 and April 2021 monitoring events. Purging continued until field parameters had stabilized and between three and five well volumes had been purged. After purging was complete, groundwater samples were collected from the wells, with VOC samples being collected first.

Grab samples were collected from the catch basin and temporary piezometers screened in the storm sewer pipe bedding. In some instances, field parameters were collected during sampling of these features; data are included in **Appendix A**.

A discussion of the groundwater analytical results for the two semi-annual sampling events as well as a detailed discussion of the most recent monitoring event (April 2021) are presented below.

3.2 April 2021 Groundwater Elevation and Flow Direction

In addition to groundwater elevation data recorded semi-annually from the 20 wells sampled, a comprehensive round of groundwater levels was measured from all Site wells and piezometers during the April 2021 sampling event. **Table 3** provides a summary of groundwater elevations measured on April 1, 2021.

Two groundwater surface contour maps for April 2021 are provided. Shallow overburden groundwater surface contours are presented in **Figure 11**, and deep overburden groundwater surface contours are presented in **Figure 12**; note that the groundwater elevation from MW-30 was not included in the groundwater surface contour figures as this well is screened through both the shallow and deep groundwater overburden units. Groundwater elevations measured on April 1, 2021 from the shallow overburden ranged from 687.69 ft above mean sea level (AMSL) at A1-GP15-S to 689.82 ft AMSL at MW-36S. Groundwater elevations measured on April 1, 2021 from the deep overburden ranged from 681.84 ft AMSL at MW-35D to 686.46 ft AMSL at MW-38D. Based on these water level measurements, the groundwater beneath the Site indicates a northwesterly flow direction. This flow direction is most pronounced in the deep overburden, as the shallow overburden groundwater flow within Area 1 is significantly influenced by Site features such as the on-site stormwater system as described in Section 2.2.2.

3.3 October 2020 and April 2021 Groundwater Analytical Data

The October 2020 and April 2021 groundwater sampling event were the sixteenth and seventeenth comprehensive sampling event conducted at the Site since completion of the groundwater injection IRM in May 2015. VOCs detected in groundwater during the October 2020 and April 2021 sampling events are presented in **Table 4** and **Table 5**, respectively. The analytical results are compared to the Site RAOs or groundwater criteria presented in TOGS 1.1.1 groundwater standards. The following table summarizes the VOCs detected, their respective concentration ranges, the number of detections, and the number of those detections that exceeded Site-specific groundwater RAOs or TOGS 1.1.1 groundwater standards from the most recent sampling event (April 2021).

Groundwater Contaminants of Concern Summary of Results
April 2021

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/TOGS 1.1.1 Exceedances
Chloroethane	1.6 – 12,000	5	4
1,1-Dichloroethane*	0.52 – 3,700	6	4
Methylene Chloride	1.6 – 100	4	2
Acetone	6.1 – 12	4	0
1,1,2-Trichloro-1,2,2-trifluoroethane	36 – 490	3	3
Vinyl chloride*	190 – 4,500	2	2
1,1,1-Trichloroethane*	210 – 2,200	2	3
2-Butanone (MEK)	2.9 – 5.4	2	0
cis-1,2-Dichloroethene*	2.2 - 340	2	1
Toluene	620	1	1
1,1-Dichloroethene*	200	1	1
Ethylbenzene	57	1	1
Xylenes, Total	56	1	1
2-Hexanone	4.3	1	0
Trichloroethene*	2.4	1	0

Note: VOCs in the table above followed by an asterisk (*) are Site COCs.

Fifteen VOCs were detected in groundwater from the monitoring wells (not including the five on-site stormwater catch basins and two temporary piezometers screened in the storm sewer pipe bedding) during the April 2021 sampling event. Eleven of the 15 VOCs detected exceeded either the Site-specific RAOs or the TOGS 1.1.1 groundwater standards at one or more wells. Six of the nine COCs were detected; all of which reflected a marked decrease in concentration of the parent VOCs (1,1,1-TCA, PCE, and TCE) following the IRMs. **Figures 13** through **19** illustrate April 2021 contours for individual COCs which were detected in shallow and/or deep overburden groundwater. **Figures 20** and **21** illustrate April 2021 contours for TVOCs in shallow and deep overburden groundwater respectively.

The highest concentrations of VOCs in shallow overburden groundwater were detected at A1-GP-10 and MW-42S. The highest concentrations of VOCs in deep overburden groundwater were detected at MW-40D. Chloroethane, 1,1-DCA, VC, and cis-1,2-DCE exhibited the highest overall concentrations in groundwater, all of which are degradation products of 1,1,1-TCA, PCE, and/or TCE.

Historical trend plots for the wells sampled in October 2020 and April 2021 for concentrations of 1,1,1-TCA, 1,1,2-TCA, 1,1-DCA, 1,1-DCE, 1,2-DCA, cis-1,2-DCE, PCE, TCE, and VC are provided in **Appendix B**. As stated above, the VOC concentrations in groundwater continue to show a degradation trend both as a result of naturally occurring reductive dechlorination processes and as a result of the 2015 injection IRM and 2019 supplemental groundwater injection program. Because TCE has been considered the primary source of groundwater impacts at the Site, a summary of historical and current TCE concentrations in groundwater for 19 monitoring wells is included in **Table 6**.

Based on the October 2020 and April 2021 groundwater data, there was one detection of TCE (A1-GP14-S). The concentration at A1-GP14-S (2.4 µg/L) was below the site-specific RAO for

groundwater and TOGS 1.1.1 groundwater standards. Overall, decreases in TCE concentrations observed since the 2015 injection IRM continue to show reductions of VOC concentrations in overburden groundwater. This is most clearly demonstrated on the TCE trend plots for monitoring wells MW-42S and MW-39D, and piezometers A1-GP02-S, A1-GP06-S and A1-GP10-S (refer to **Appendix B**).

3.4 October 2020 and April 2021 Storm Sewer Catch Basin and Storm Sewer Pipe Bedding Analytical Data

VOC data collected from on-site catch basins CB-1, CB-2, CB-3, and CB-4 exhibited a decrease in TVOCs since the June 2020 storm sewer pipe replacement activity as well as the IRMs and 2019 supplemental groundwater injection program. CB-E exhibited an increase in TVOCs (primarily xylenes), but it remains an order of magnitude below the concentrations measured during the RI. Refer to **Table 7** for a summary of the VOC data collected between April 2020 and April 2021.

Two temporary piezometers screened in the storm sewer pipe bedding (TP-5 and TP-6) were sampled for VOCs. TP-5 is located adjacent to CB-1 and TP-6 is located approximately 110 feet north (down-gradient) of CB-1. No COCs were detected above the site-specific RAOs in TP-5 or TP-6. Refer to **Table 7** for a summary analytical data collected between April 2020 and April 2021, **Appendix A** for a summary of historical data for the two temporary piezometers and the on-site catch basin (CB-1), and **Appendix B** for COC trend plots.

3.5 Comparison of April 2021 COCs in Groundwater with Pre-IRM Groundwater Analytical Data

Trend plots illustrating concentrations of COCs (1,1,1-TCA, 1,1,2-TCA, 1,1-DCA, 1,1-DCE, 1,2-DCA, PCE, TCE, and VC) in monitoring wells over time are provided in **Appendix B**. Because concentrations of TCE were historically the highest of the COCs detected at the Site, a discussion of historical and current TCE concentrations in groundwater at Site monitoring wells and piezometers is provided below.

In April 2021, TCE was detected in one monitoring well (A1-GP14-S) at 2.4 µg/L. TCE was detected at on-site catch basins CB-1 (9.9 µg/L), CB-2 (20 µg/L) and CB-E (0.99 µg/L), and at temporary piezometer TP-5 (0.87 µg/L). Based on the substantial decreases in concentrations of TCE at locations with historical detections of TCE, the 2015 IRM injection of ABC+® and 2019 supplemental groundwater injection of ABC-Ole® with ZVI appears to be promoting the continual degradation TCE. This decrease is most clearly demonstrated on the trend plots in **Appendix B** for monitoring wells A1-GP02-S (20,000 µg/L to below the detection limit), MW-42S (13,000 µg/L to below the detection limit), and MW-38D (11,000 µg/L to below the detection limit).

3.6 Groundwater MNA Data Summary

The use of the ERD amendments ABC+® and ABC-Ole® with ZVI was designed to provide needed nutrients, such as a soluble lactic acid carbon source, a phosphate buffer to control pH for optimum microbial growth, and ZVI which accelerates abiotic dechlorination of chlorinated ethenes and ethanes. The microbial analysis from “Bio-traps” placed on-site indicated that the necessary concentrations of microbes, such as DHC, which produces vinyl chloride reductase, remain present in the subsurface. Stimulation of the bacteria by the presence of chlorinated solvents, combined with the extra nutrients supplied by injection, have dramatically reduced the concentrations of original parent CVOCs TCE and 1,1,1-TCA over time. The initial concentrations of known TCA degradation products

(1,1-DCA and chloroethane), as well as of PCE/TCE degradation products (1,2-DCE isomers and VC), suggest that advanced decomposition of the chlorinated solvents has already enhanced microbial populations which would use CVOCs as substrates. Induction of reducing conditions can accelerate the reductive dechlorination of parent solvents and increase the relative accumulation of degradation intermediates such as VC before complete mineralization. As the predominant aerobic conditions of groundwater at the Site return after treatment, the population of VC oxidizing bacteria should increase and complete dechlorination to ethene along with co-metabolic oxidation followed by complete mineralization. In the event that continued monitoring indicates this process has plateaued, then additional amendments or subsurface microbial characterization could be performed to attempt to further enhance degradation.

3.7 Dechlorinating Bacteria Analysis

Following the injection of ABC+® in April/May 2015, AECOM deployed "Bio-traps" in select shallow and deep overburden groundwater wells annually to monitor the concentration (i.e., cells/bead) of dechlorinating bacteria. The "Bio-traps" were submitted to Microbial Insights, Inc., in Knoxville, Tennessee for analysis. Per the April 2021 analysis, the detected shallow overburden groundwater concentrations of DHC, tceA Reductase, and VC Reductase from MW-42S continue to remain elevated in comparison to pre-injection concentrations.

Deep overburden groundwater at MW-38D shows DHC and degradative enzymes concentrations that are indicative of pre-injection concentrations. This indicates that reductive dechlorination may be complete at that location (Lu et al., 2006); note there were no detections above the reporting limit for any VOCs at MW-38D and only one deep overburden groundwater monitoring well (MW-40D) had detections exceeding either the Site-specific RAOs or TOGS 1.1.1 groundwater standards (1,1-DCA at 8.6 µg/L and chloroethane at 400 µg/L). Refer to the tables below and **Appendix A** for microflora data.

Shallow Overburden Dechlorinating Bacteria Data

Sample ID	MW-42S	MW-43S	MW-42S	MW-42S	MW-42S	MW-42S	MW-42S
Sample Date	7/27/15	7/12/16	4/12/17	4/12/18	5/6/19	4/9/20	4/6/21
Dechlorinating Bacteria (Cells/bead)							
DHC	$<2.50x10^1$	$1.77x10^2$	$3.98x10^4$	$4.04x10^4$	$1.84x10^5$	$7.73x10^1$	$4.22x10^4$
tceA Reductase	$<2.50x10^1$	$1.58x10^1$	$1.28x10^4$	$4.92x10^4$	$6.19x10^3$	$<2.50x10^1$	$1.95x10^3$
BAV1 VC Reductase	$<2.50x10^1$	$<2.50x10^1$	$<2.50x10^1$	$3.3x10^1$	$6.55x10^1$	$<2.50x10^1$	$<2.50x10^1$
VC Reductase	$<2.50x10^1$	$<2.50x10^1$	$1.04x10^3$	$3.56x10^3$	$4.59x10^4$	$7.00x10^0$	$4.77x10^3$

Deep Overburden Dechlorinating Bacteria Data

Sample ID	MW-38D	MW-38D	MW-38D	MW-38D	MW-38D	MW-38D	MW-38D
Sample Date	7/27/15	7/12/16	4/12/17	4/12/18	5/6/19	4/9/20	4/6/21
Dechlorinating Bacteria (Cells/bead)							
DHC	$8.41x10^2$	$4.00x10^4$	$2.52x10^4$	$1.81x10^2$	$6.47x10^2$	$1.09x10^4$	$2.18x10^2$
tceA Reductase	$<2.50x10^1$	$1.78x10^2$	$7.24x10^2$	$6.36x10^1$	$2.36x10^1$	$1.60x10^2$	$3.63x10^1$
BAV1 VC Reductase	$1.20x10^2$	$2.22x10^4$	$2.20x10^2$	$1.25x10^1$	$6.70x10^0$	$<2.50x10^1$	$<2.50x10^1$
VC Reductase	$1.47x10^1$	$6.96x10^2$	$9.12x10^2$	$5.16x10^1$	$1.12x10^2$	$1.08x10^3$	$<2.50x10^1$

3.8 Dechlorinating Chemical Analysis

In addition to the DHC and degradative enzyme results, the presence and distribution of TCE degradation products (cis-1,2-DCE and VC) and 1,1,1-TCA degradation products (1,1-DCA and chloroethane) provide supportive evidence that the attenuation of TCE and 1,1,1-TCA and their degradation products, via reductive dechlorination, continues to occur in-situ at the Site. The occurrence and concentrations of these degradation products are directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. A limited number of other VOCs were sporadically detected in groundwater at the Site during the April 2021 sampling event, with most of these detections in groundwater located at wells A1-GP02-S, A1-GP06-S, A1-GP10-S, MW-42S, and MW-40D; refer to **Table 5**.

3.9 Total Organic Carbon

Samples were collected for TOC analysis to monitor the concentration of available carbon sources for the optimum microbial growth. Although TOC concentrations have decreased over time in the areas outside the 2019 supplemental groundwater injection area (refer to **Figure 10**), locations within the 2019 supplemental groundwater injection area continue to exhibit elevated TOC concentrations as compared to background. Refer to **Appendix A** for a summary of TOC concentrations for October 2020 and April 2021. Refer to **Figure 22** and **Figure 23** for shallow and deep overburden groundwater TOC plume figures respectively.

4.0 Site Inspection

This section describes the semi-annual Site inspections, O&M tasks completed, and recommendations for improvements.

4.1 Boiler Room

Inspections of the boiler room floor were performed concurrently during the October 2020 and April 2021 semi-annual groundwater sampling events. All previous repairs that were completed in November 2014 and November 2017 remain intact, and no additional cracks or perforations were observed. Note, as stated in the SMP, if the boiler room becomes occupied or its usage changes, additional treatment and/or control measures will need to be evaluated.

4.2 Monitoring Wells

As per the SMP, Site monitoring wells were inspected during each of the semi-annual groundwater sampling events; no issues were observed regarding the condition of the wells.

5.0 Conclusions and Recommendations

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

5.1 Conclusions

1. Groundwater elevations measured on April 1, 2021 from the shallow overburden ranged from 687.69 ft AMSL at A1-GP15-S to 689.82 ft AMSL at MW-36S. Groundwater elevations measured on April 1, 2021 from the deep overburden ranged from 681.84 ft AMSL at MW-35D to 686.46 ft AMSL at MW-38D. Based on these water level measurements, the groundwater beneath the Site exhibits a northwesterly flow direction. This flow direction is most pronounced in the deep overburden, as the shallow overburden groundwater is significantly influenced by Site features (e.g., the stormwater sewer system and adjacent paved areas).
2. The groundwater analytical data indicate that the IRMs and 2019 supplemental groundwater injection were, and continue to be, successful in the attenuation of CVOCs.
3. The groundwater microbial analyses indicate that the necessary microbes, such as DHC, and degradative enzymes are present in the shallow overburden at sufficient concentrations to promote reductive dechlorination, whereas the deep overburden groundwater shows a decrease of DHC and degradative enzymes down to pre-injection concentrations (and a notable decrease in CVOCs).
4. VOC data collected from the on-site catch basins in April 2021 exhibited detections of some COCs but continued to show a general decreasing trend in concentration of COCs following the IRMs.
5. Concentrations of VOCs in samples collected in April 2021 from the temporary piezometers screened in the storm sewer bedding exhibited detections above the screening criteria of some COCs at TP-5 (located adjacent to CB-1) but below the Site-specific RAOs or TOGS 1.1.1 groundwater standards. There were no detections of VOCs above the reporting limit at TP-6 (down-gradient of TP-5).
6. Semi-annual monitoring data collected during the reporting period demonstrate that TOC concentrations in the areas targeted for injections remain above pre-injection levels, maintaining conditions that promote microbial growth.
7. The boiler room floor crack caulking and drain pipe annulus seals (i.e., sub-slab mitigation controls) were inspected semi-annually and did not need repair. No additional floor cracks or perforations in the floor were noted during the reporting period.

5.2 Recommendations

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

1. Continue semi-annual inspections of the boiler room sub-slab mitigation controls.

2. Continue semi-annual inspections of the monitoring well network.
3. Perform semi-annual comprehensive groundwater sampling events (October 2021 and April 2022); refer to **Table 1** for a list of locations to be sampled and associated analyses.
4. Review and update the Site health and safety plan as necessary.

5.3 Proposed Monitoring and Compliance Sampling Schedule

The proposed schedule for groundwater sampling at the Site during the next reporting period includes semi-annual sampling of 20 wells, five on-site catch basins, and two temporary piezometers screened in the storm sewer pipe bedding; refer to **Table 1** for a list of locations to be sampled and associated analyses.

It is anticipated that the next PRR will be prepared following receipt of laboratory analytical results for the April 2022 comprehensive groundwater sampling event, and it will include the results from groundwater sampling events scheduled for October 2021 and April 2022.

6.0 Evaluate Remedy Performance, Effectiveness, and Protectiveness

6.1 Institutional Controls and Engineering Controls Certification

As a component of the PRR requirement, included in **Appendix D** is the completed IC/EC certification form.

Institutional controls include:

1. Groundwater Use Restrictions
2. Land Use Restrictions
3. Site Management Plan
4. Soils Monitoring Plan
5. Groundwater Monitoring Plan
6. IC/EC Plan

Engineering controls include:

1. None listed.

7.0 References

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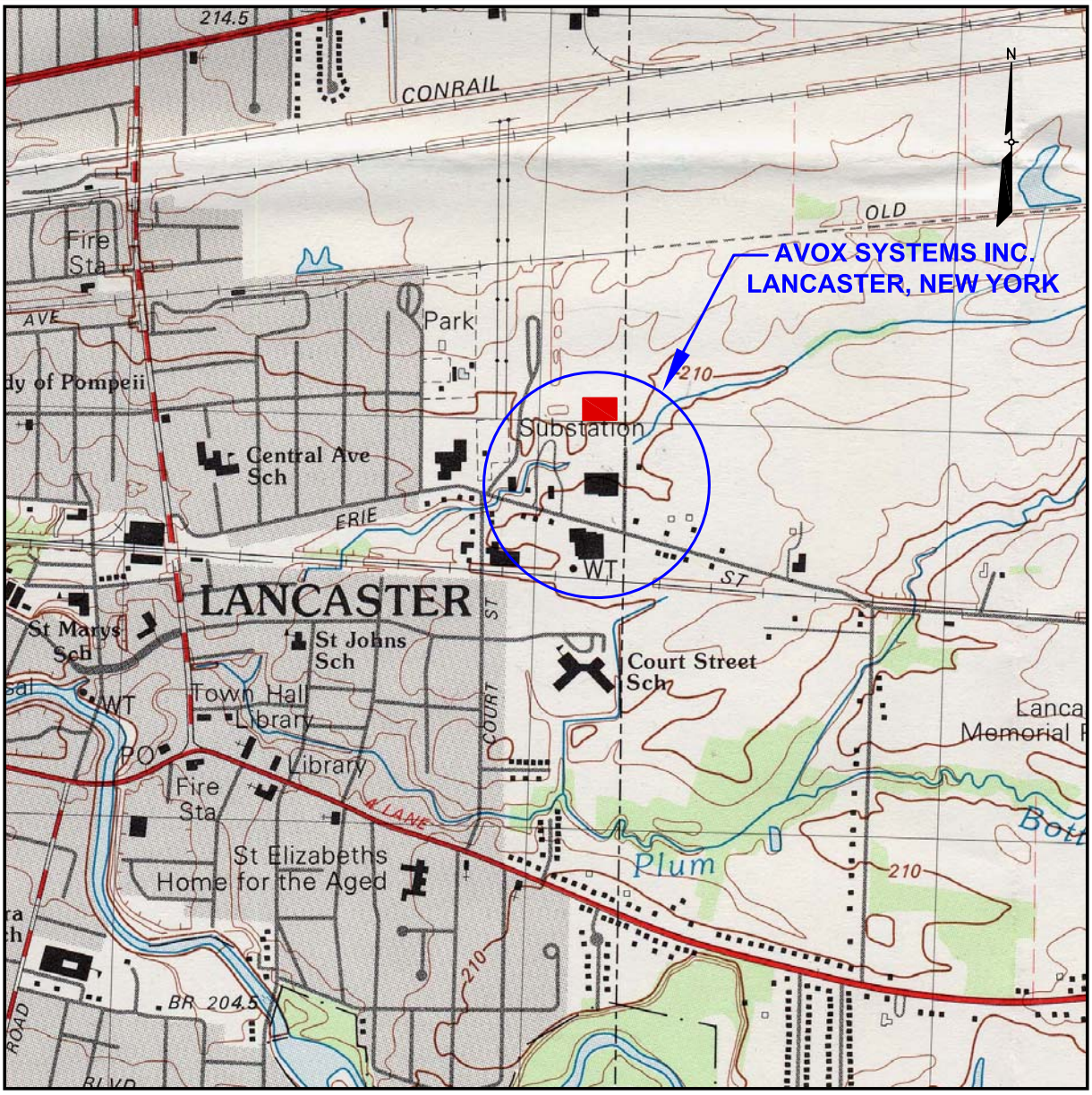
Figures



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

LEGEND

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

0 1000 2000
SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

C:\Users\splawnm\Desktop\Projects\Scott Figgie\60147012_063 Site Loc Map.dwg, 7/22/2020 8:16:59 PM, Splawnm

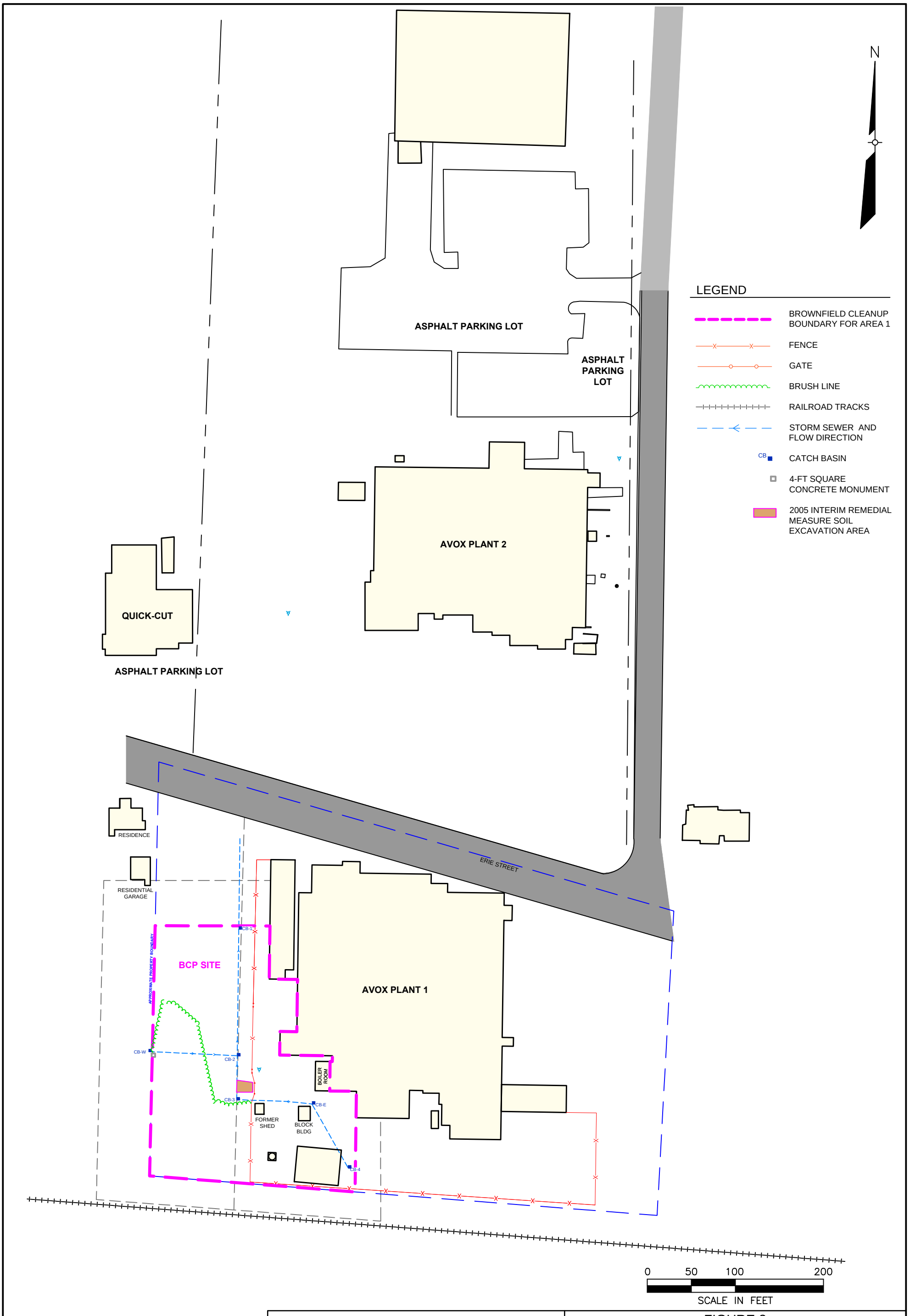


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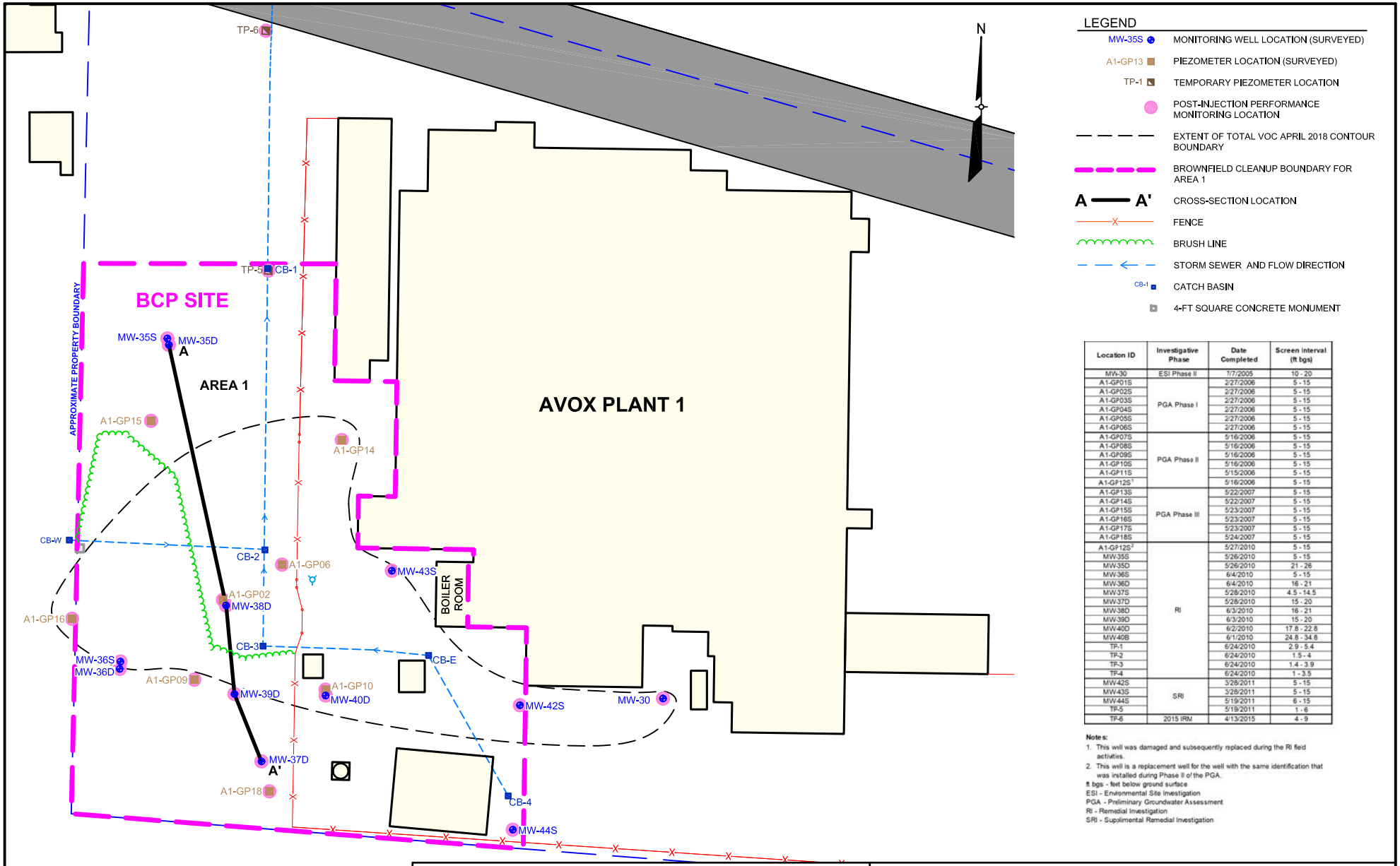
FIGURE 2
SITE LAYOUT MAP

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



Location ID	Investigative Phase	Date Completed	Screen Interval (ft bgs)
MW-30	ESI Phase II	7/7/2005	10 - 20
A1-GP01S	PGA Phase I	2/27/2006	5 - 15
A1-GP02S		2/27/2006	5 - 15
A1-GP03S		2/27/2006	5 - 15
A1-GP04S		2/27/2006	5 - 15
A1-GP05S		2/27/2006	5 - 15
A1-GP06S		2/27/2006	5 - 15
A1-GP07S	PGA Phase II	5/16/2006	5 - 15
A1-GP08S		5/16/2006	5 - 15
A1-GP09S		5/16/2006	5 - 15
A1-GP10S		5/16/2006	5 - 15
A1-GP11S		5/15/2006	5 - 15
A1-GP12S[1]		5/16/2006	5 - 15
A1-GP13S	PGA Phase III	5/22/2007	5 - 15
A1-GP14S		5/22/2007	5 - 15
A1-GP15S		5/23/2007	5 - 15
A1-GP16S		5/23/2007	5 - 15
A1-GP17S		5/23/2007	5 - 15
A1-GP18S		5/24/2007	5 - 15
A1-GP12S[2]	RI	5/27/2010	5 - 15
MW-35S		5/26/2010	5 - 15
MW-35D		5/26/2010	21 - 26
MW-36S		6/4/2010	5 - 15
MW-36D		6/4/2010	16 - 21
MW-37S		5/28/2010	4.5 - 14.5
MW-37D		5/28/2010	15 - 20
MW-38D		6/3/2010	16 - 21
MW-39D		6/3/2010	15 - 20
MW-40D		6/2/2010	17.8 - 22.8
MW-40B		6/1/2010	24.8 - 34.8
TP-1		6/24/2010	2.9 - 5.4
TP-2		6/24/2010	1.5 - 4
TP-3		6/24/2010	1.4 - 3.9
TP-4		6/24/2010	1 - 3.5
MW-42S	SRI	3/28/2011	5 - 15
MW-43S		3/28/2011	5 - 15
MW-44S		5/19/2011	6 - 15
TP-5		5/19/2011	1 - 6
TP-6	2015 IRM	4/13/2015	4 - 9

Notes:
1. This well was damaged and subsequently replaced during the RI field activities.
2. This well is a replacement well for the well with the same identification that was installed during Phase II of the PGA.

ft bgs - feet below ground surface
ESI - Environmental Site Investigation
PGA - Preliminary Groundwater Assessment
RI - Remedial Investigation
SRI - Supplimental Remedial Investigation

AECOM

FIGURE 3
MONITORING WELL, PIEZOMETER AND CATCH BASIN LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

C:\Users\splawnm\Desktop\Projects\Scott Figgie\60147012_166 MW PZ and CB Locs_May2018.dwg, 7/22/2020 8:37:18 PM, Splawnm

A
NORTH

A'
SOUTH

137.67'

45.88'

37.47'

MW-35D
EL. 688.9'

MW-38D
EL. 687.5'

MW-39D
EL. 687.4'

MW-37D
EL. 687.6'

FILL

SILT

CLAY

SILTY CLAY

SILT AND GRAVEL

0-6" TOPSOIL, brown (moist/dry)
6-9" tan SILT, trace f.sand (dry/moist)
9-20" reddish brown CLAY, trace silt, stiff (moist/dry)
0-15" reddish brown CLAY, trace silt, stiff (moist/dry)
0-20" reddish brown SILTY CLAY with 1mm silt layer (moist)
0-7" reddish brown SILTY CLAY, little SILT, (wet)
7-20" reddish brown CLAYEY SILT, thin silt layers interbedded (dry/moist)
0-24" reddish brown SILTY CLAY, mottled slightly (moist)
0-6" reddish brown SILTY CLAY, trace gravel
6-24" dark reddish/purple brown CLAY, trace silty clay, (moist) *color change
0-24" dark purple brown CLAY, (moist)
0-23" dark purple/brown CLAY, trace silty, trace gravel, slightly mottled, (moist)
0-24" dark purple-reddish brown CLAY, some silty layers, trace gravel, (moist)
0-24" purple/reddish brown CLAY trace silt, trace gravel, (moist)
0-24" purple/reddish brown CLAY trace silt, trace gravel, (moist), soft
0-20" reddish brown CLAY, little silty, trace gravel (moist-wet)
0-2" reddish brown CLAY, little silt, little gravel, (moist)
2-6" medium gray f-c SAND, some gravel, trace silt, (moist-wet), shale fragments in shoe

TD = 26'

0-7" brown thick TOPSOIL (moist)
7-7" reddish brown SILT, little organics, trace clay, (moist)
0-22" reddish brown-tan-grey mottled SILT, little clay, trace f-m gravel (dry-moist)
0-24" reddish brown, tan-grey-olive mottled SILT, little clay (moist), wet silt layers 1" @24" (45ppm)
0-10" olive grey SILT (wet) (45ppm)
10-24" reddish brown - olive mottled SILT, trace clay, trace f. gravel (moist) PID - 0-243, 243@7" bgs
0-9" reddish brown-olive mottled SILT, little clay (moist) max PID = 45.2ppm
9-10" tan-grey f. sand, trace silt (wet), 110 ppm
10-24" reddish brown - purple SILT, some clay, trace gravel (moist-plastic), PID = 45 to 5ppm @ 24"
0-14" reddish brown-purple CLAY, trace silt, trace f-m gravel (moist) plastic
0-24" reddish brown-purple CLAY, trace silt, trace f-m gravel (moist), 4.5ppm @ 6" in silt
layer - 0 in remainder of sample
refusal - rock in shoe - auger to 16"
0-24" reddish brown-purple CLAY, trace silt, trace gravel (moist), 3.4ppm @ 17" in thin silt
layer (grey, moist) 0.0ppm in rest of core
0-10" reddish brown-purple SILT and CLAY, little f-m gravel (moist)
10-15" dark grey SILT and rock chips (wet)
0-4" dark grey SILT and granite chips (moist)
refusal

TD = 21'

0-7" dark brown TOPSOIL, moist
7-10" brown topsoil grading to CLAYEY SILT (moist)
10-12" reddish brown mottled with brown CLAYEY SILT (moist)
0-24" reddish brown SILTY, little clay thin grey silt interbeds increases to bottom (moist)
0-24" reddish brown SILTY CLAY (moist) - more wet @ bottom, (18-20" grey
SILT layer (moist-wet)) collect samples @ 5-6"
0-6" reddish brown - tan SILT, some clay (wet)
0-1.1 PID
6-12" reddish brown-tan mottled SILT, some clay, grey silt think interbeds (moist)
0-18" reddish brown CLAY, little silt, trace gravel (moist)
18-24" reddish brown to purple CLAY, some silt (grey interbeds), trace gravel (moist)
42" grey SILT (wet)
8-24" reddish brown, slightly purple CLAY, little silt, trace gravel (moist)
0-24" reddish brown to purple CLAY, little trace silt, trace gravel (moist), plastic
0-24" reddish brown - slightly purple CLAY, little grey silt interbeds (moist)
0-20" reddish brown-purple SILT and CLAY, trace grey silt layers (moist)
20-24" grey SILT and f-c GRAVEL, little f.sand (wet-moist)
bouncing spoon - shale

TD = 20'

0-7" TOPSOIL
7-21" tan with reddish brown mottling, SILT, little clay, (moist)
0-19" reddish brown with grey/tan mottling, SILT, little clay, (dry-moist)
0-18" reddish brown with tan mottling, SILT and CLAY, (moist)
0-14" reddish brown with tan mottling SILT and CLAY, (moist)
14-16" tan SILT, trace clay, (wet)
16-21" reddish brown with tan mottling CLAY, some silt, thin grey silt layers,
(moist) sample 6-7"
0-24" reddish brown SILT, little clay light grey silt layers interbedded, (dry-moist)
0-24" reddish brown CLAY, little silt, trace f.gravel, (moist)
0-24" purple-reddish brown CLAY, trace silt, trace f.gravel, (moist), very plastic
0-24" purple-reddish brown with grey sile/f.sand layer, CLAY, trace silt, (moist)
0-24" reddish brown CLAY and SILT, f.sand and silt layers interbedded increasing to bottom - color change to grey to bottom, moist - wetter to bottom
0-22" medium grey CLAY and SILT (very moist), soft, trace f-c sand and gravel
22-24" medium grey f-c sand, trace silt, little rock chips (dry)

TD = 20'

690
688
686
684
682
680
678
676
674
672
670
668
666
664
662

GROUND SURFACE ELEVATION (ft. AMSL)

HORIZONTAL SCALE
0 10 20 40
SCALE IN FEET

VERTICAL SCALE
4x EXAGGERATION
0 2.5 5 10
SCALE IN FEET

LEGEND:

- FILL
- SILT
- CLAY
- SILTY CLAY
- SILT AND GRAVEL
- TD = TOTAL DEPTH
- GROUNDWATER ELEVATION (ft AMSL)

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FIGURE 4
GEOLOGIC CROSS-SECTION

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

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C:\Users\slawnm\Desktop\Projects\Scott Figgie\60147012_127 Geologic Cross-Section.dwg

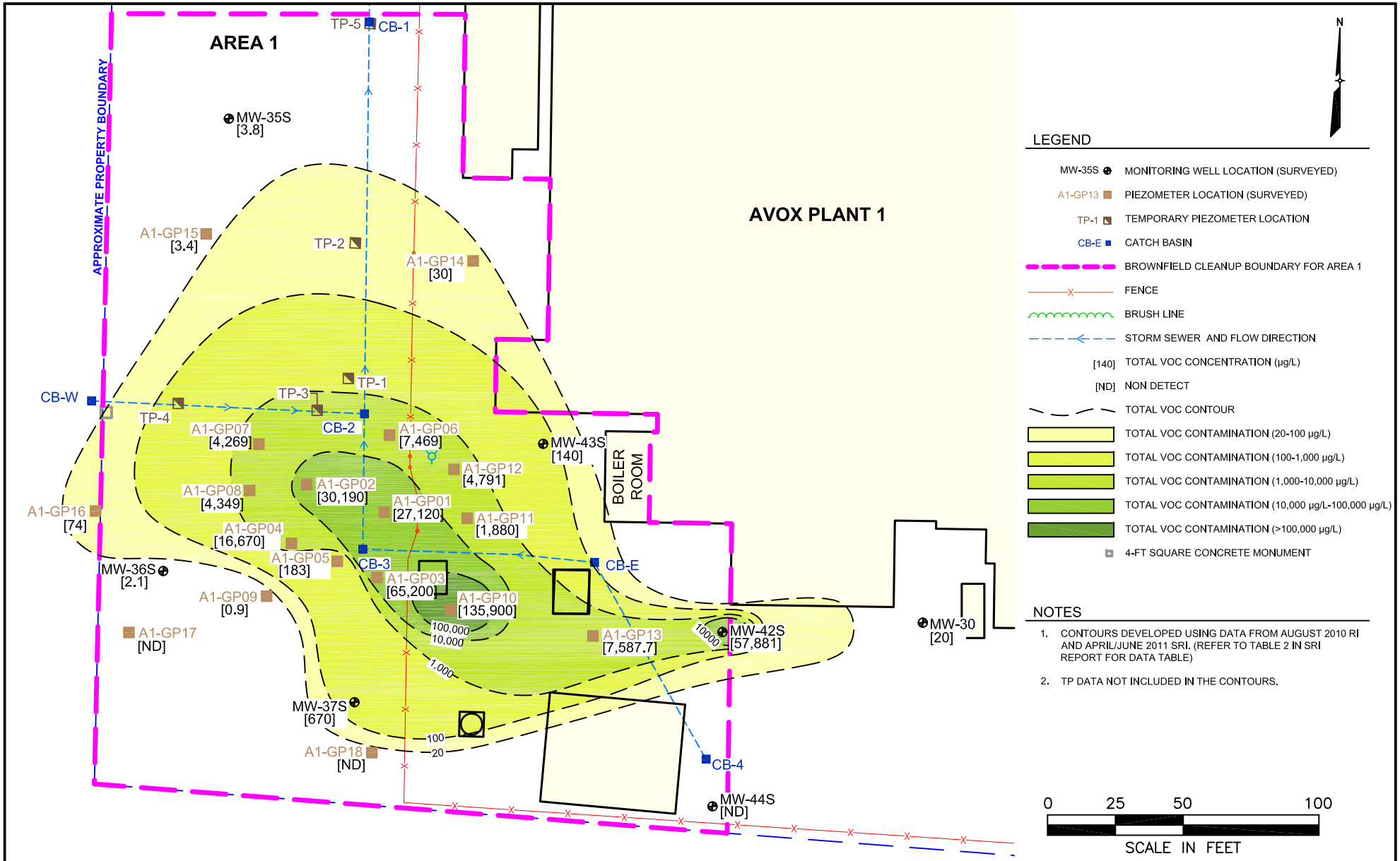

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FIGURE 5
PRE-INJECTION SHALLOW OVERBURDEN GROUNDWATER TOTAL VOC CONTAMINANT PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

C:\Users\splawnm\Desktop\Projects\Scott Figgie\60155991_130 Total VOC Contaminant Plume_Aug2010.dwg, 7/22/2020 8:40:33 PM, Splawnm

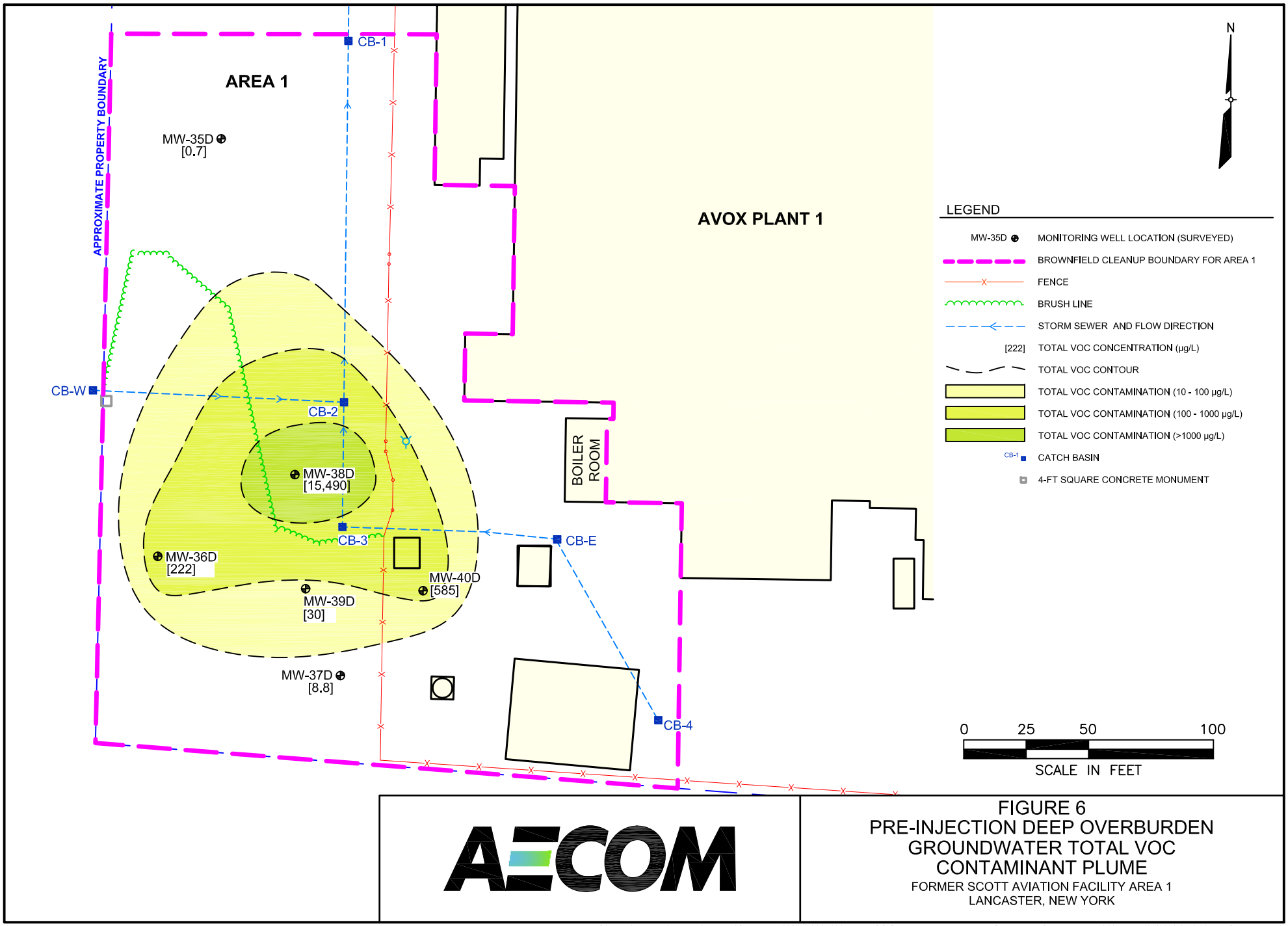

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FIGURE 6
PRE-INJECTION DEEP OVERBURDEN GROUNDWATER TOTAL VOC CONTAMINANT PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

C:\Users\splawnm\Desktop\Projects\Scott Figgie\60155991_132 Total VOC Contaminant Plume_Deep Overburden GW Data_Aug2010.dwg, 7/22/2020 8:41:38 PM, Splawnm

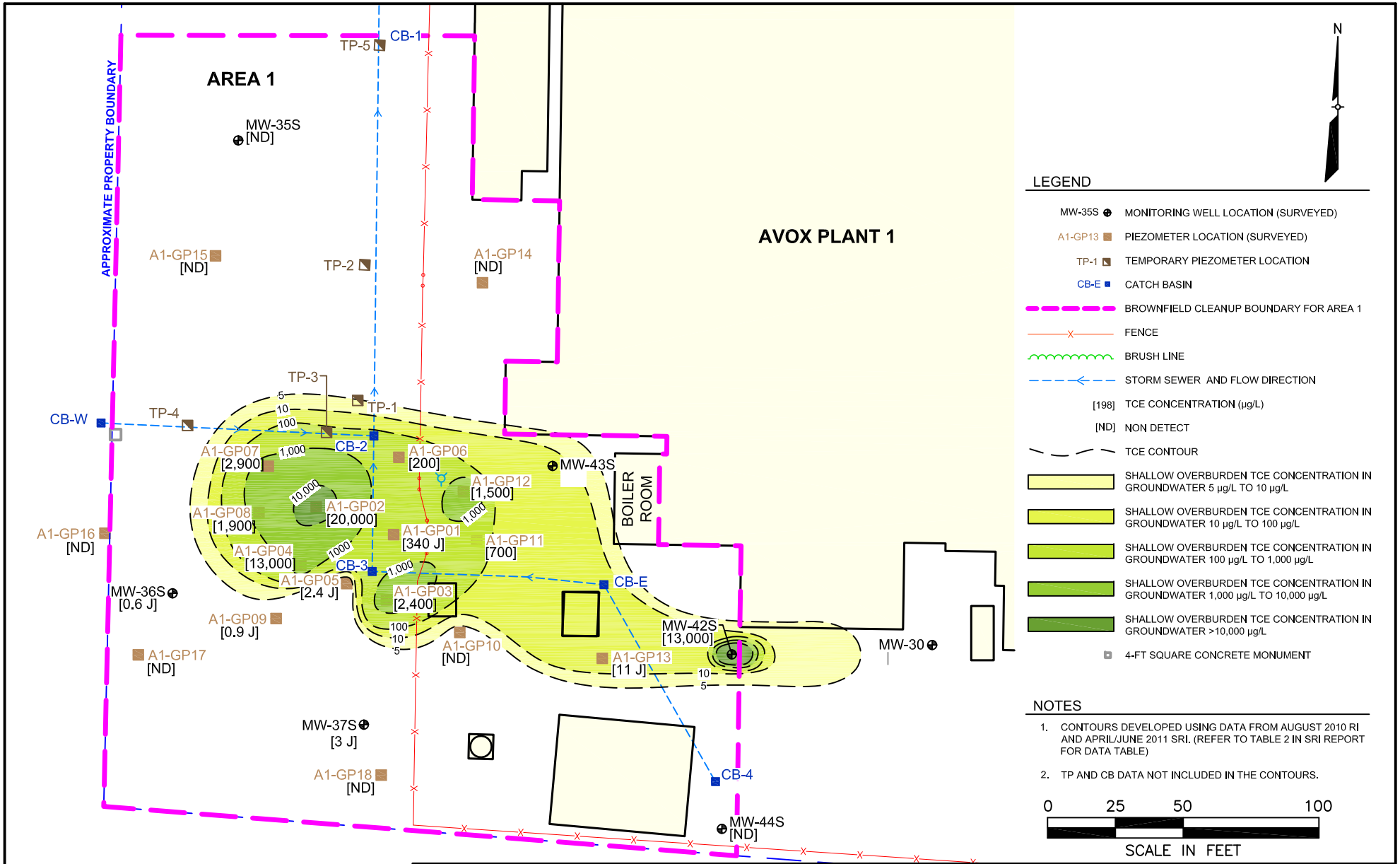

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FIGURE 7
PRE-INJECTION SHALLOW OVERBURDEN GROUNDWATER TCE CONTAMINANT PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

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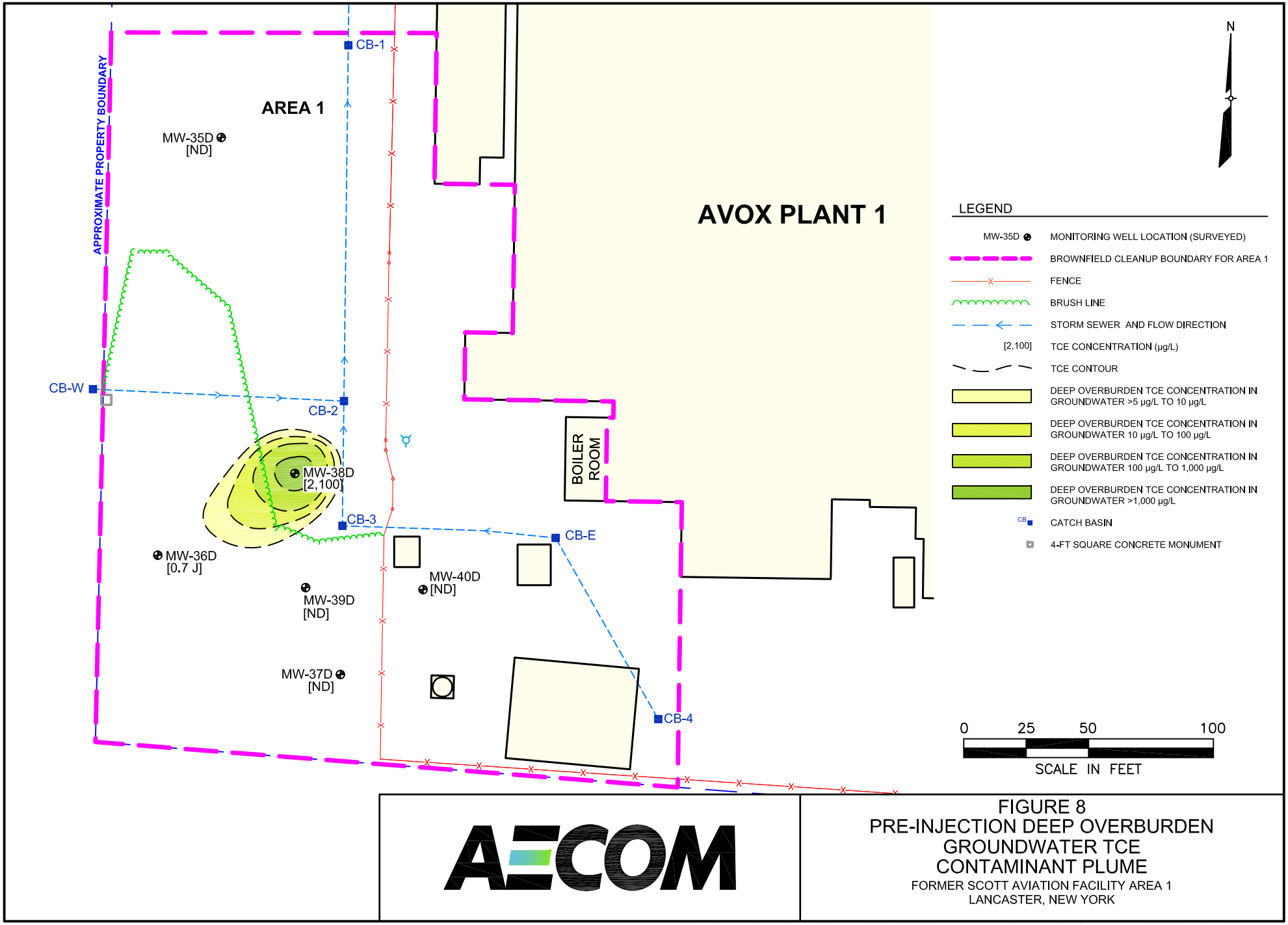

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FIGURE 8
PRE-INJECTION DEEP OVERBURDEN GROUNDWATER TCE CONTAMINANT PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

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AREA 1

AVOX PLANT 1

BOILER ROOM

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

N

LEGEND

- MIP-11 MIPHPT BORING LOCATION ZONE
- BROWNFIELD CLEANUP BOUNDARY FOR AREA 1
- FENCE
- BRUSH LINE
- STORM SEWER AND FLOW DIRECTION
- SEWER LINE INJECTION: 4, 5, 6 ft.
- MIP-1: 4, 6, 7, 10, 11, 12, 13, 14, 15, 16, 18, 20 ft.
- MIP-2: 7, 8, 11, 12 , 13, 14, 15, 16, 18, 20 ft.
- MIP-2: 7, 8, 11, 12 ft.
- MIP-3: 5, 7, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20 ft.
- MIP-3: 5, 7, 9, 10, 12, 13, 14 ft.
- MIP-4: 4, 6, 8, 11 ft.
- MIP-6: 3, 4, 5, 6, 7, 8, 9, 10, 12, 14 ft.
- MIP-7: 7, 8, 10 ft.
- MIP- 8: 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 ft.
- MIP-9: 3, 5, 8 ft.
- MIP-10: 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20 ft.
- MIP-10: 8, 10, 12, 13, 14 ft.
- MIP-11: 2, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22 ft.
- MIP-11: 2, 5, 6, 8, 10, 11, 12, 13, 14 ft.
- NO INJECTION/INACCESSIBLE

0 20 40 80

SCALE IN FEET

FIGURE 9
2015 IRM INJECTION ZONE DETAILS

FORMER SCOTT AVIATION FACILITY AREA 1 LANCASTER, NEW YORK

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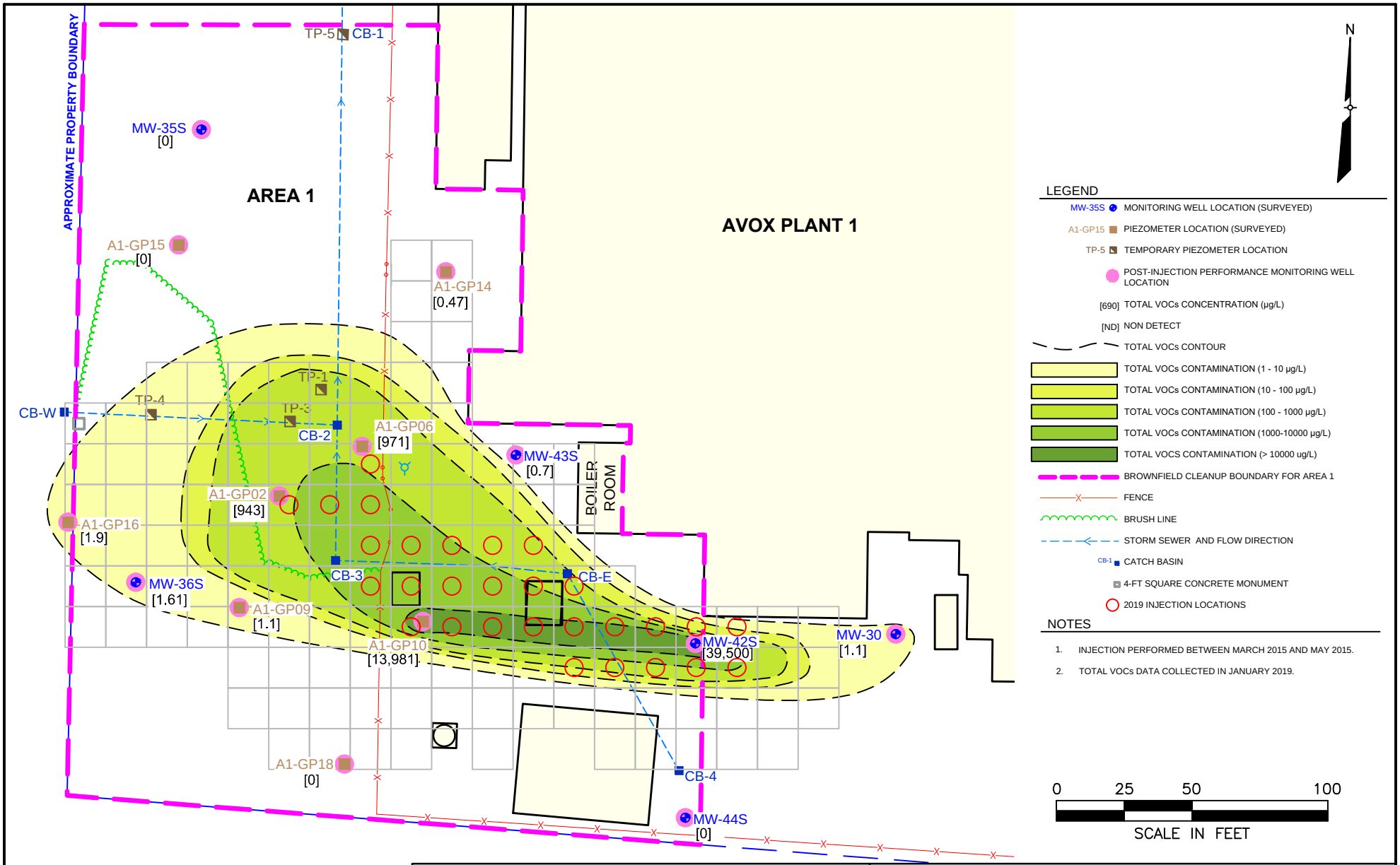

AECOM

FIGURE 10
2019 SUPPLEMENTAL GROUNDWATER INJECTION AREA

FORMER SCOTT AVIATION FACILITY AREA 1 LANCASTER, NEW YORK

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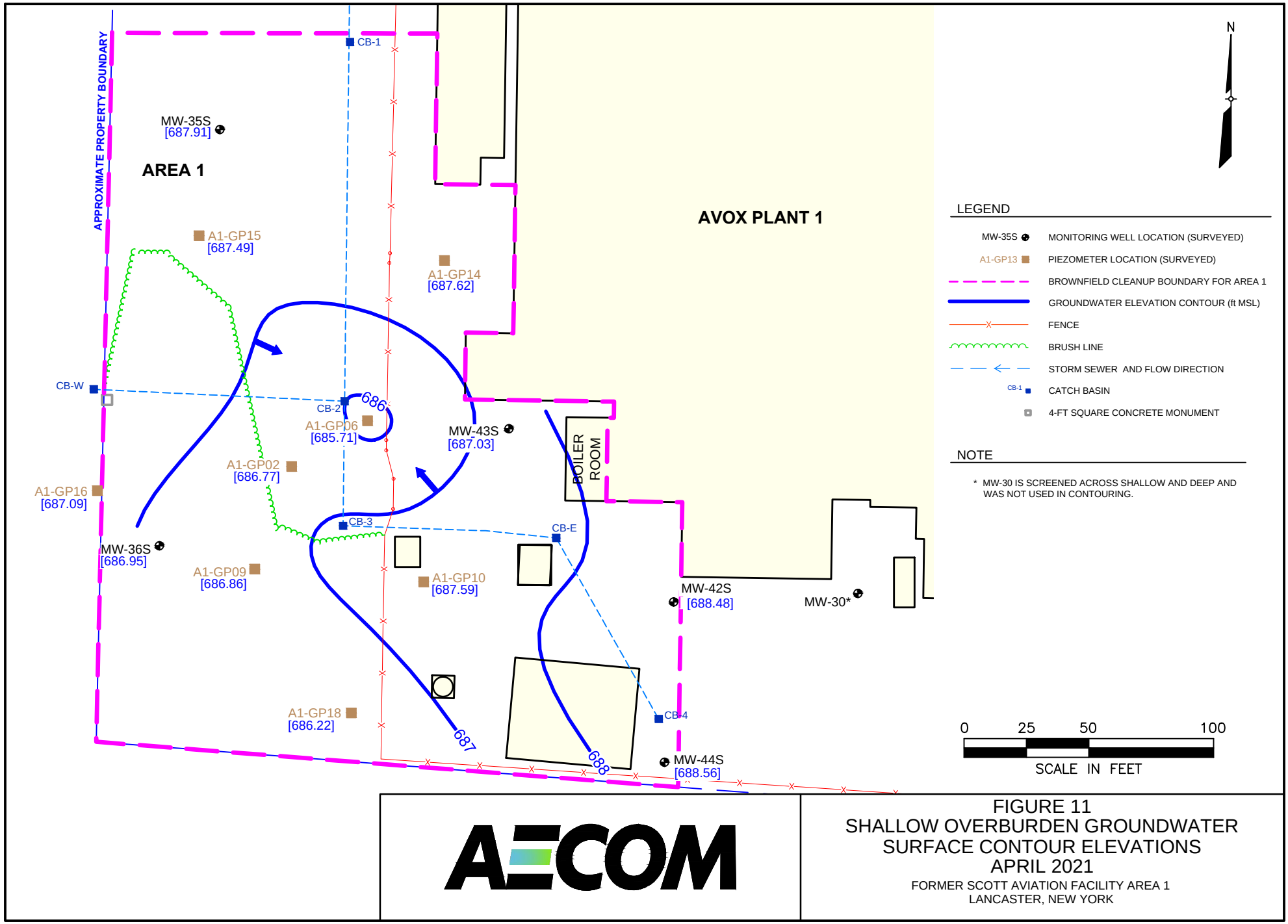
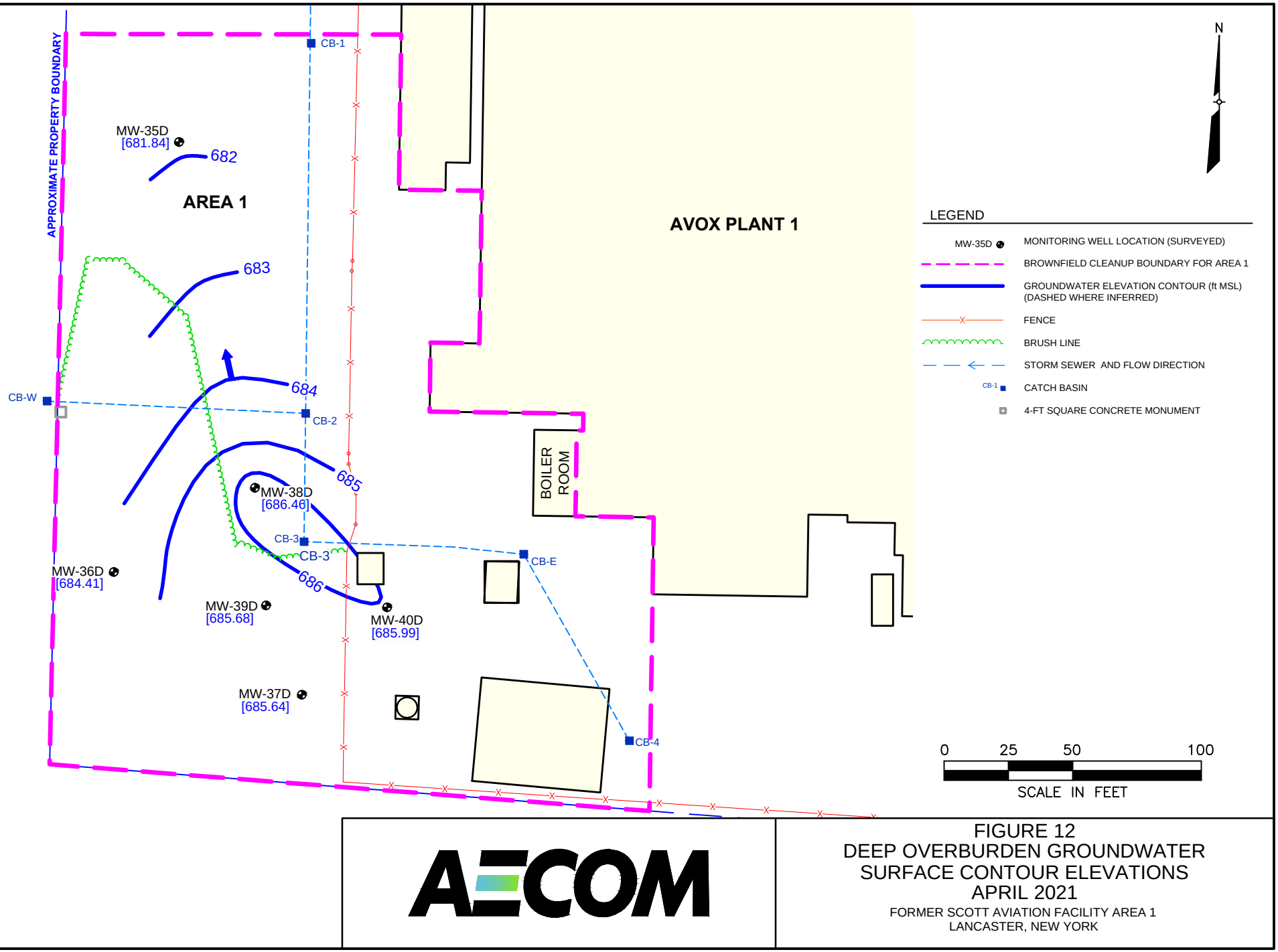


AECOM

FIGURE 11
SHALLOW OVERBURDEN GROUNDWATER SURFACE CONTOUR ELEVATIONS
APRIL 2021

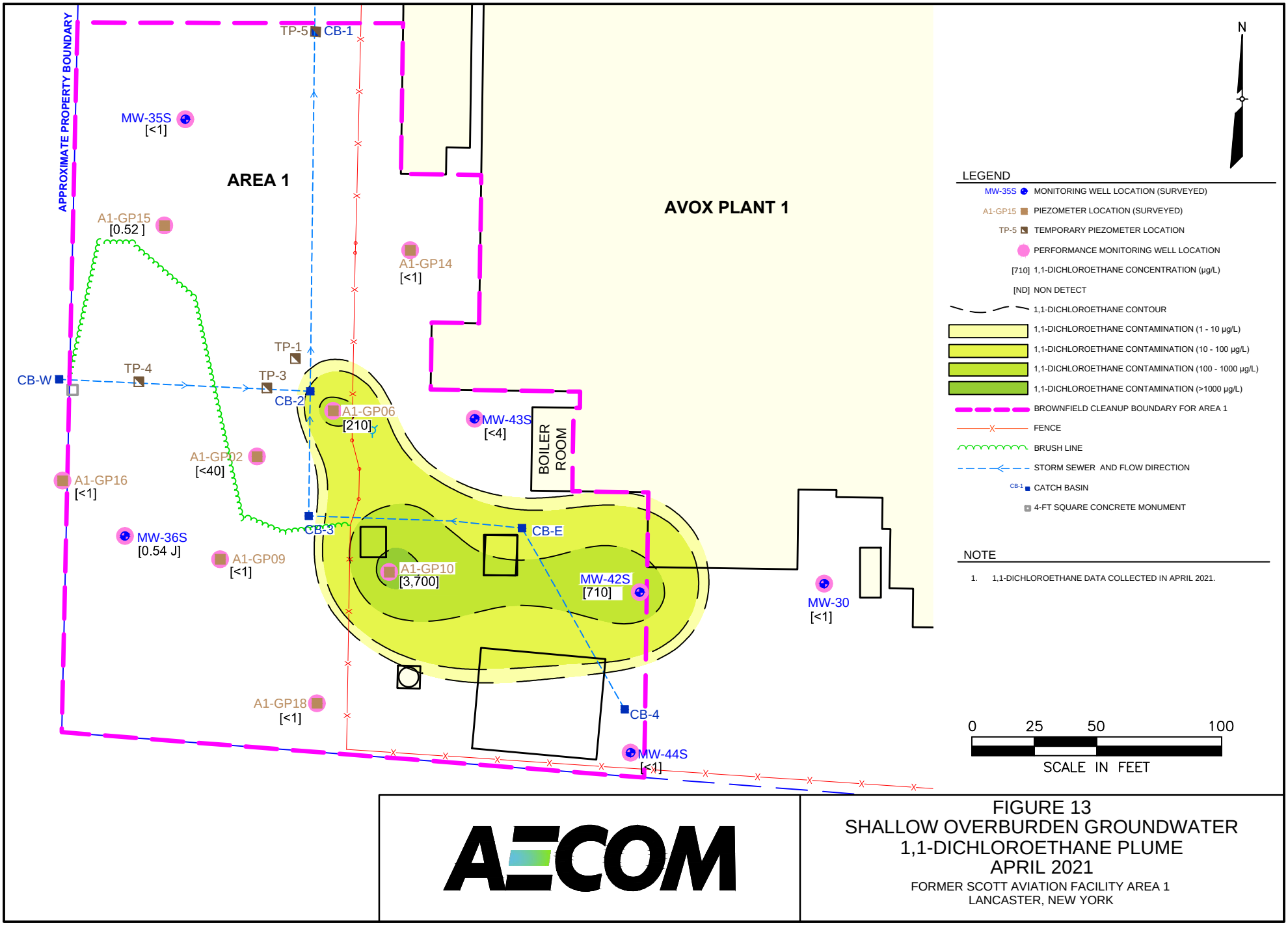
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM

FIGURE 12
DEEP OVERBURDEN GROUNDWATER SURFACE CONTOUR ELEVATIONS APRIL 2021

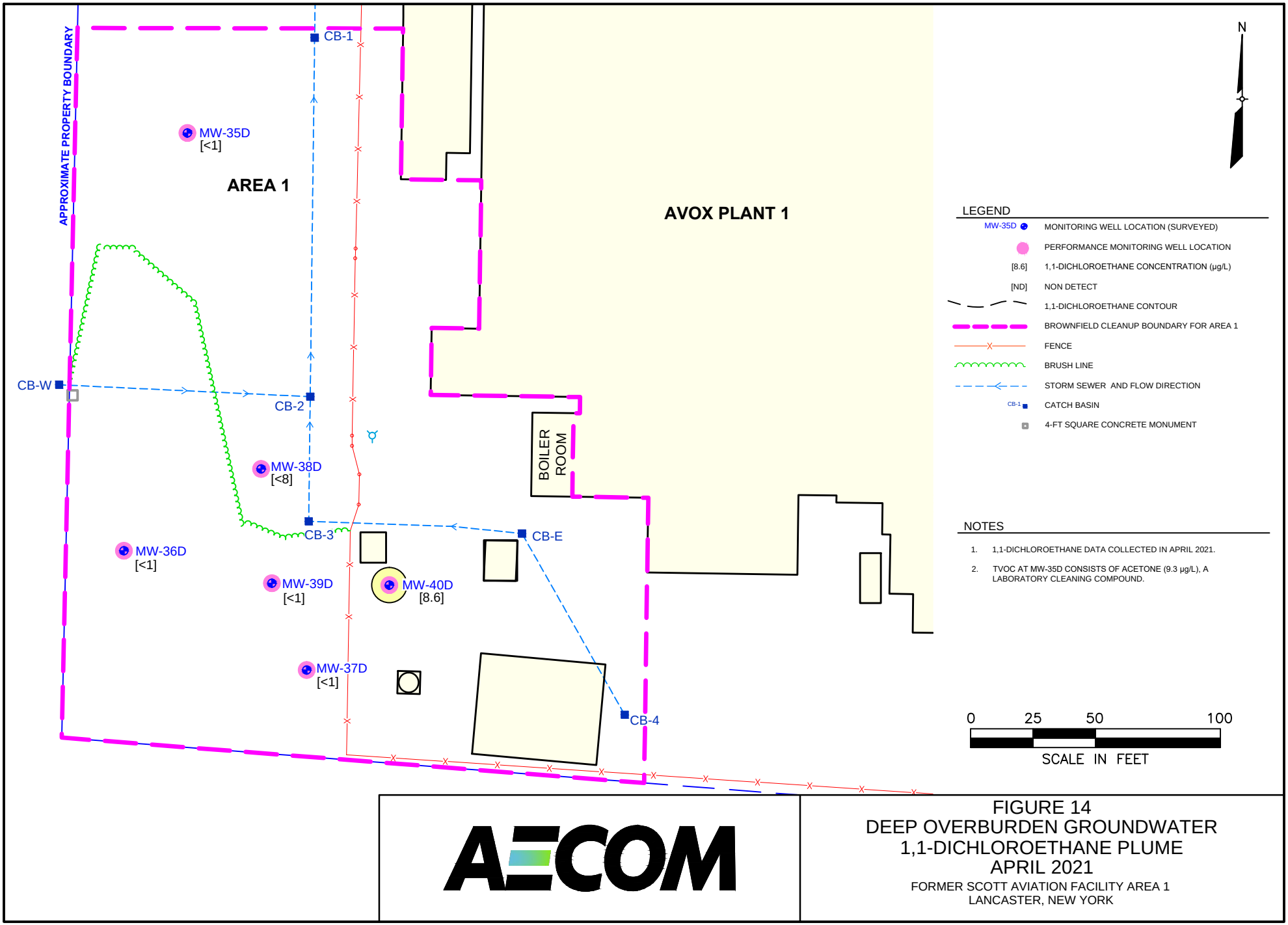
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM

FIGURE 13
SHALLOW OVERBURDEN GROUNDWATER 1,1-DICHLOROETHANE PLUME APRIL 2021

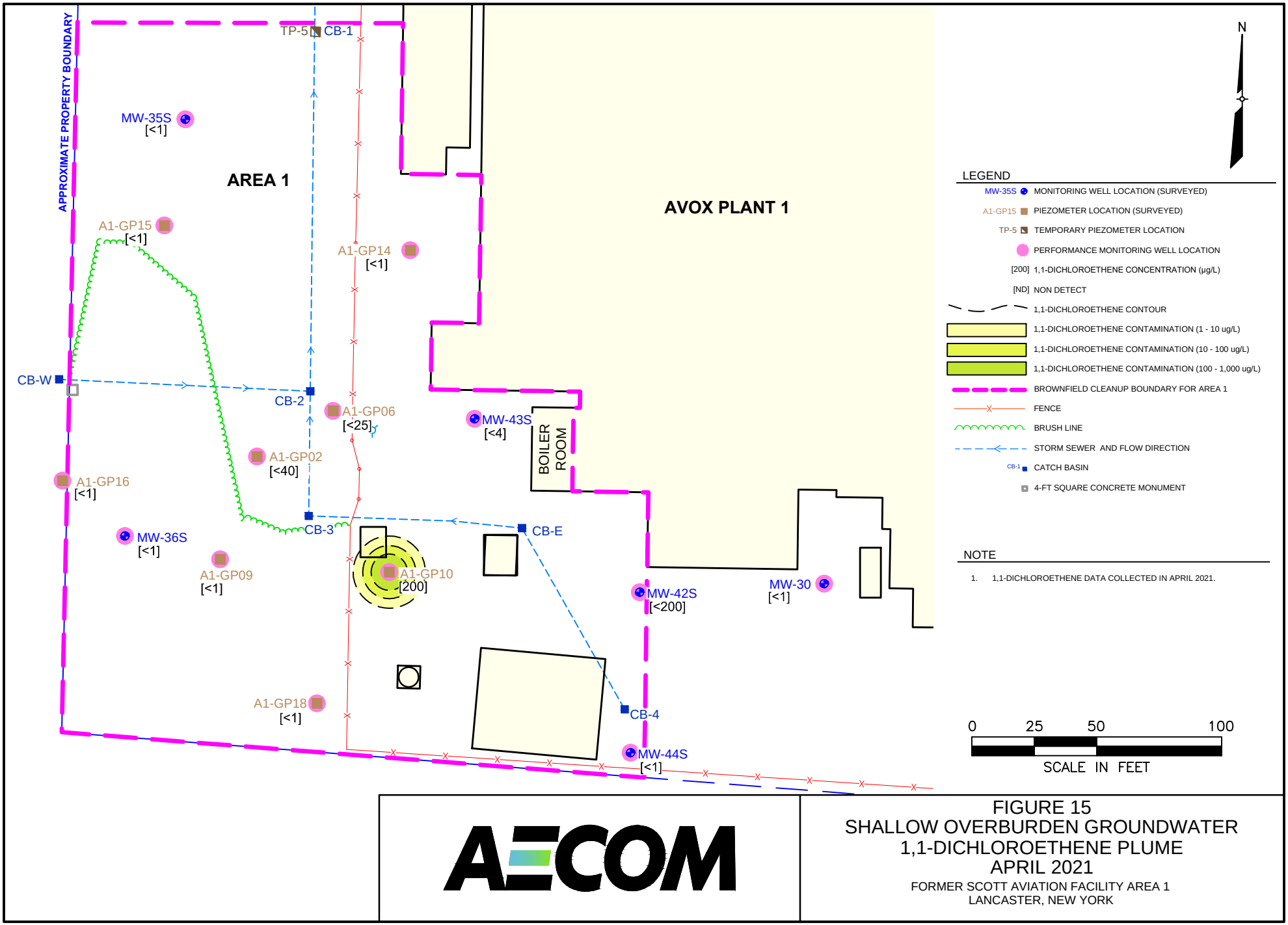
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM

FIGURE 14
DEEP OVERBURDEN GROUNDWATER 1,1-DICHLOROETHANE PLUME APRIL 2021

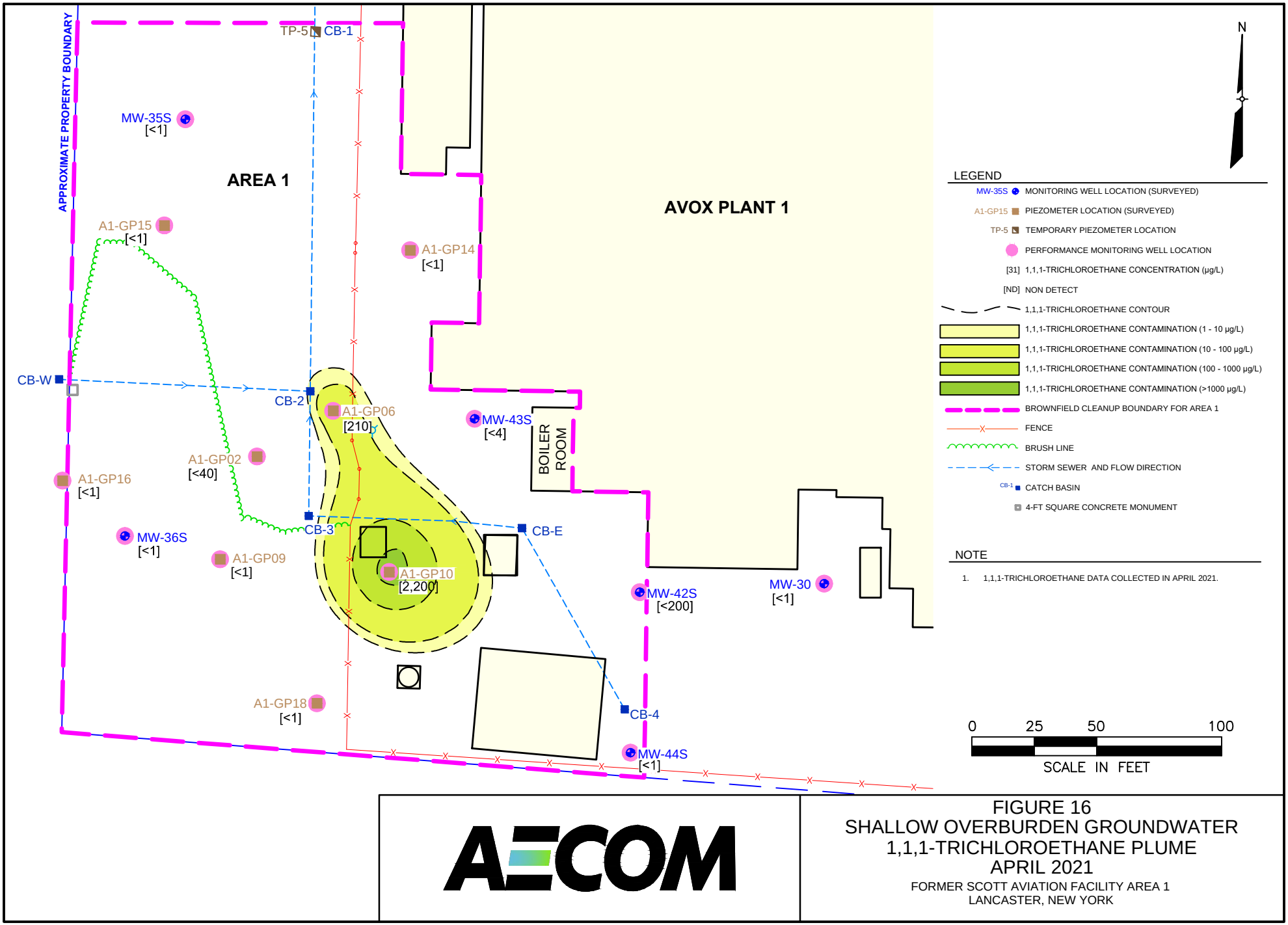
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM

FIGURE 15
SHALLOW OVERBURDEN GROUNDWATER 1,1-DICHLOROETHENE PLUME APRIL 2021

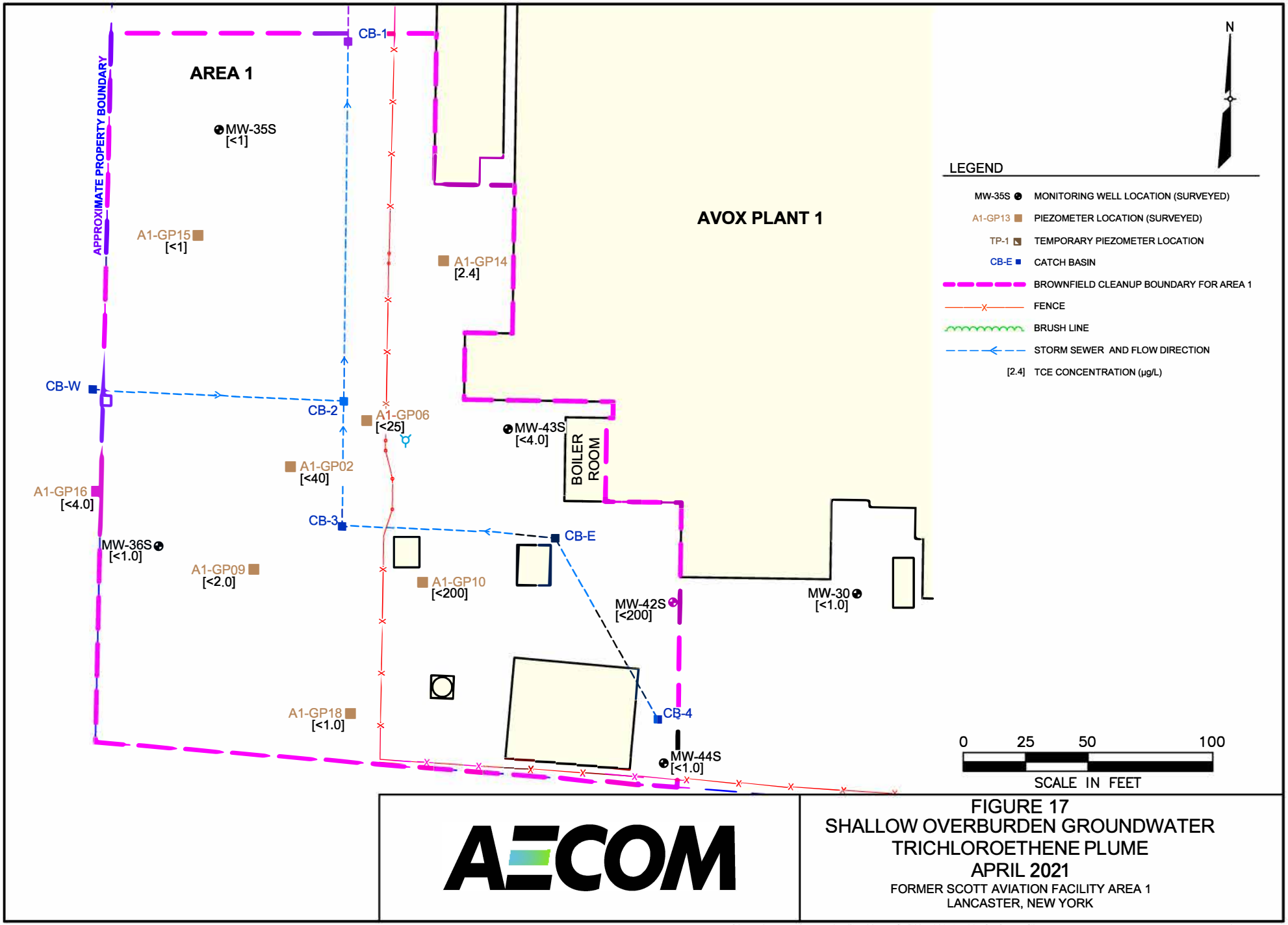
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM

FIGURE 16
SHALLOW OVERBURDEN GROUNDWATER 1,1,1-TRICHLOROETHANE PLUME APRIL 2021

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

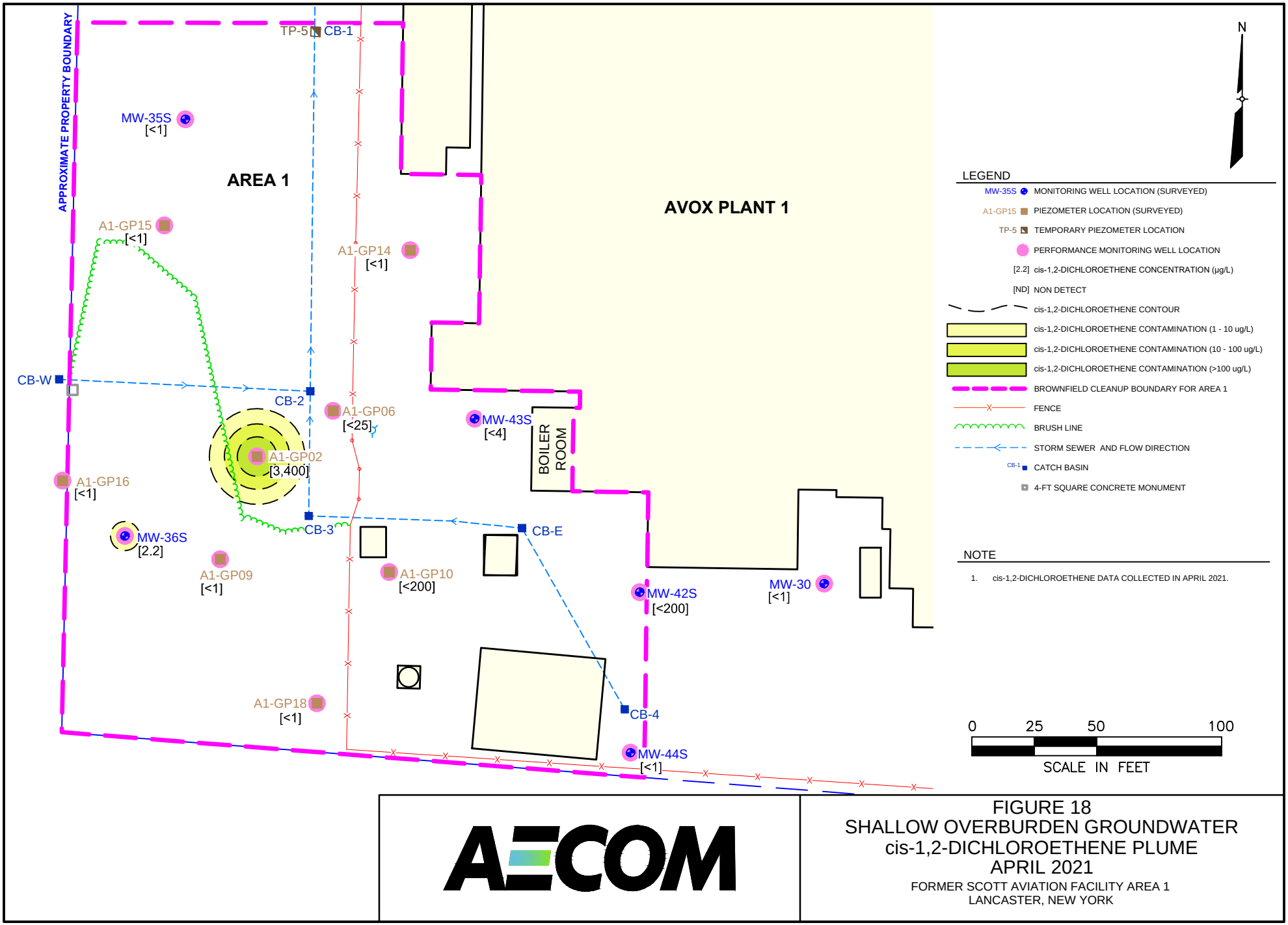


AECOM

FIGURE 17
SHALLOW OVERBURDEN GROUNDWATER TRICHLOROETHENE PLUME
APRIL 2021

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

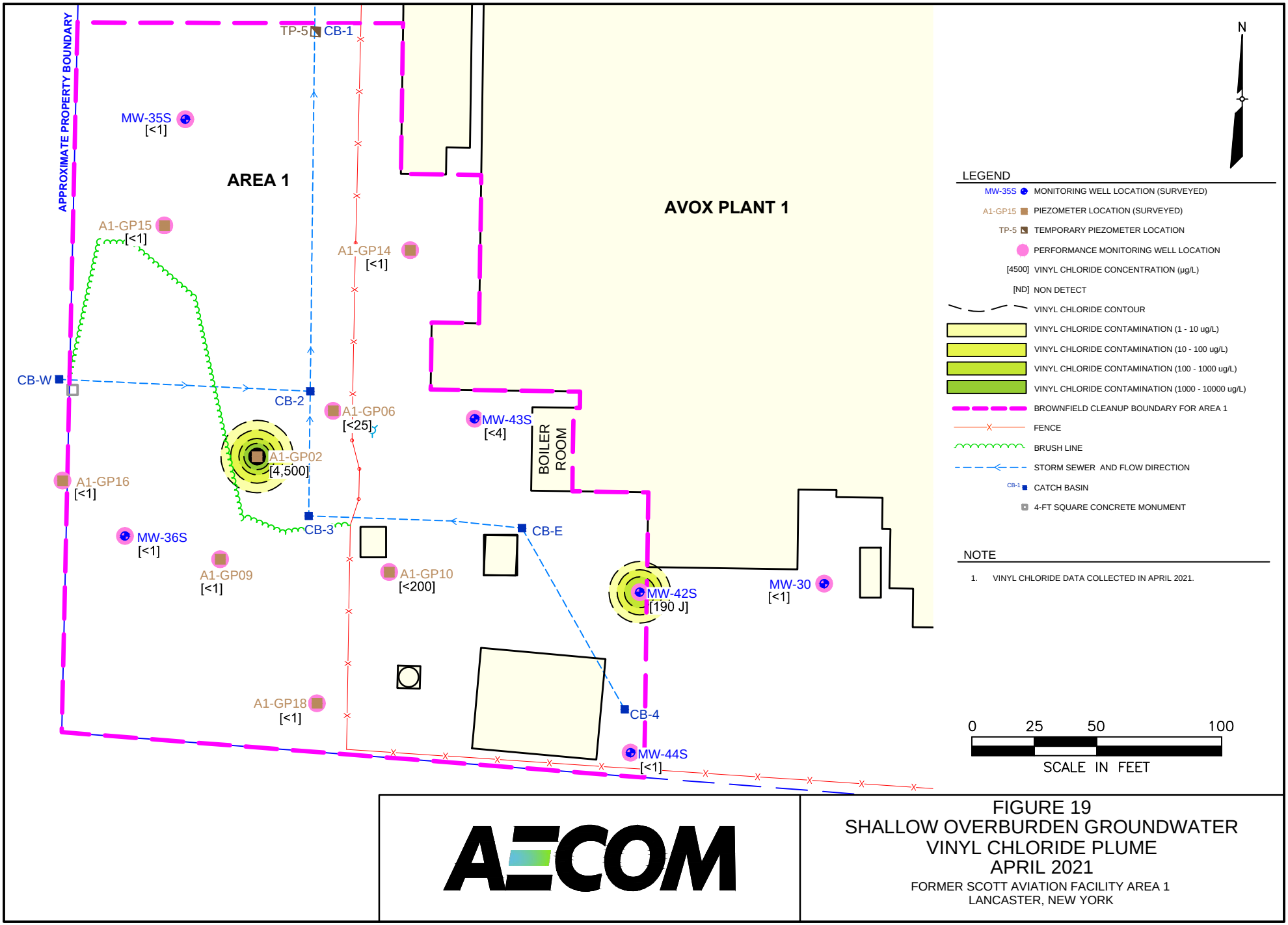
C:\Users\splawnm\Desktop\Projects\Scott Figgie\60536398_238 TCE Contaminant Plume_Apr2021.dwg, 5/19/2021 10:21:00 AM, Splawnm



AECOM

FIGURE 18
SHALLOW OVERBURDEN GROUNDWATER
cis-1,2-DICHLOROETHENE PLUME
APRIL 2021

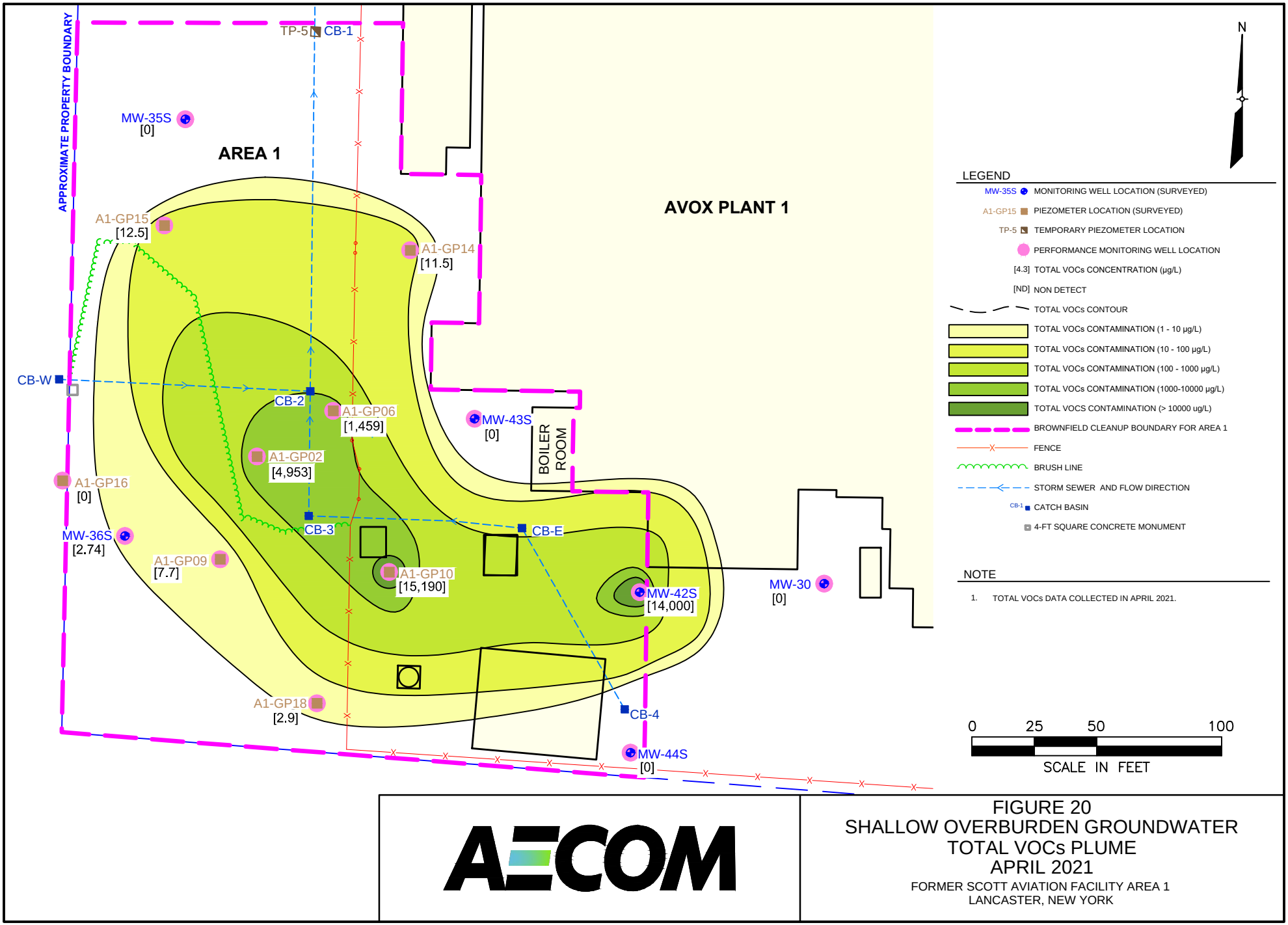
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM

FIGURE 19
SHALLOW OVERBURDEN GROUNDWATER VINYL CHLORIDE PLUME APRIL 2021

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

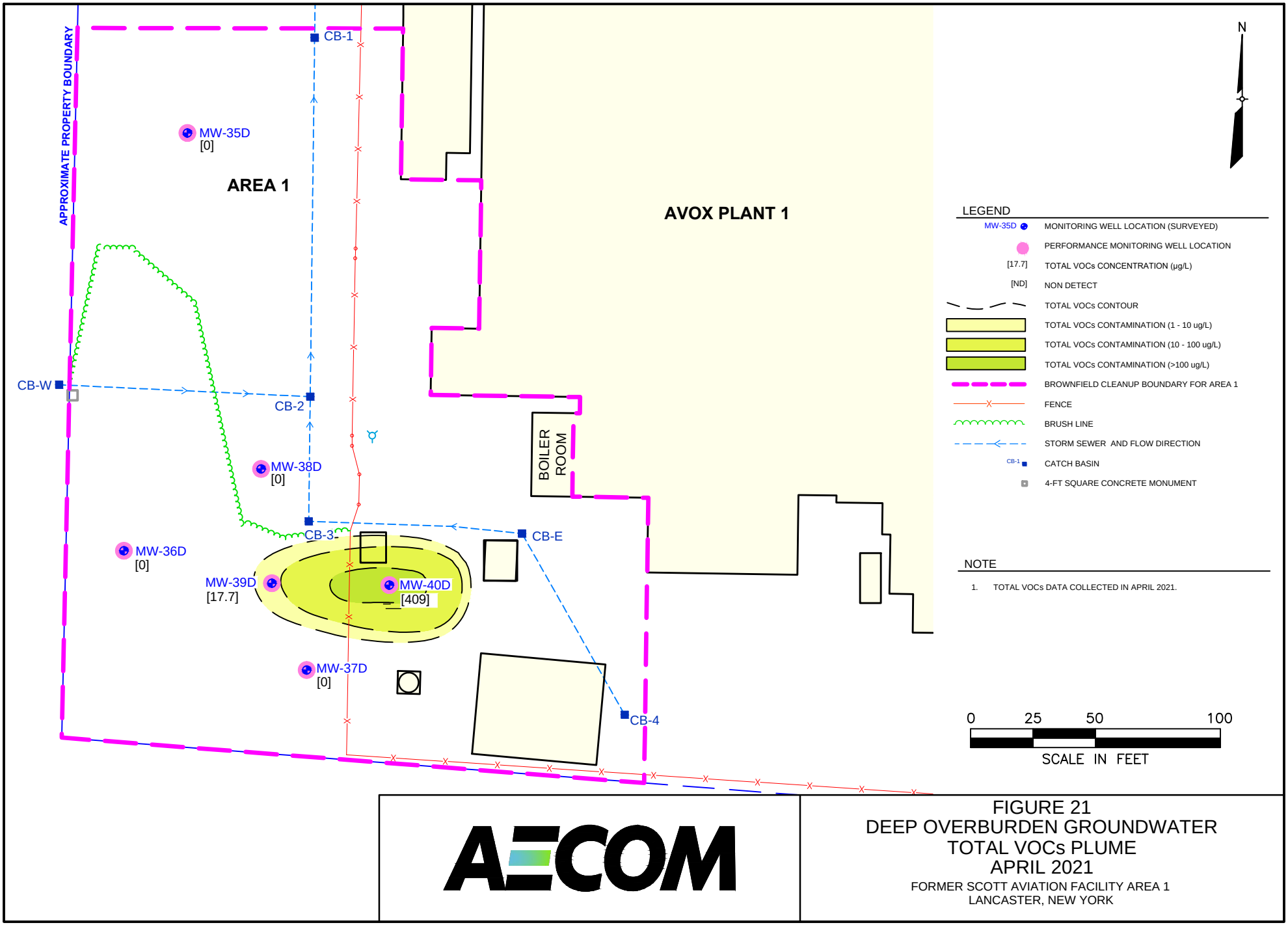


AECOM

FIGURE 20
SHALLOW OVERBURDEN GROUNDWATER TOTAL VOCs PLUME APRIL 2021

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

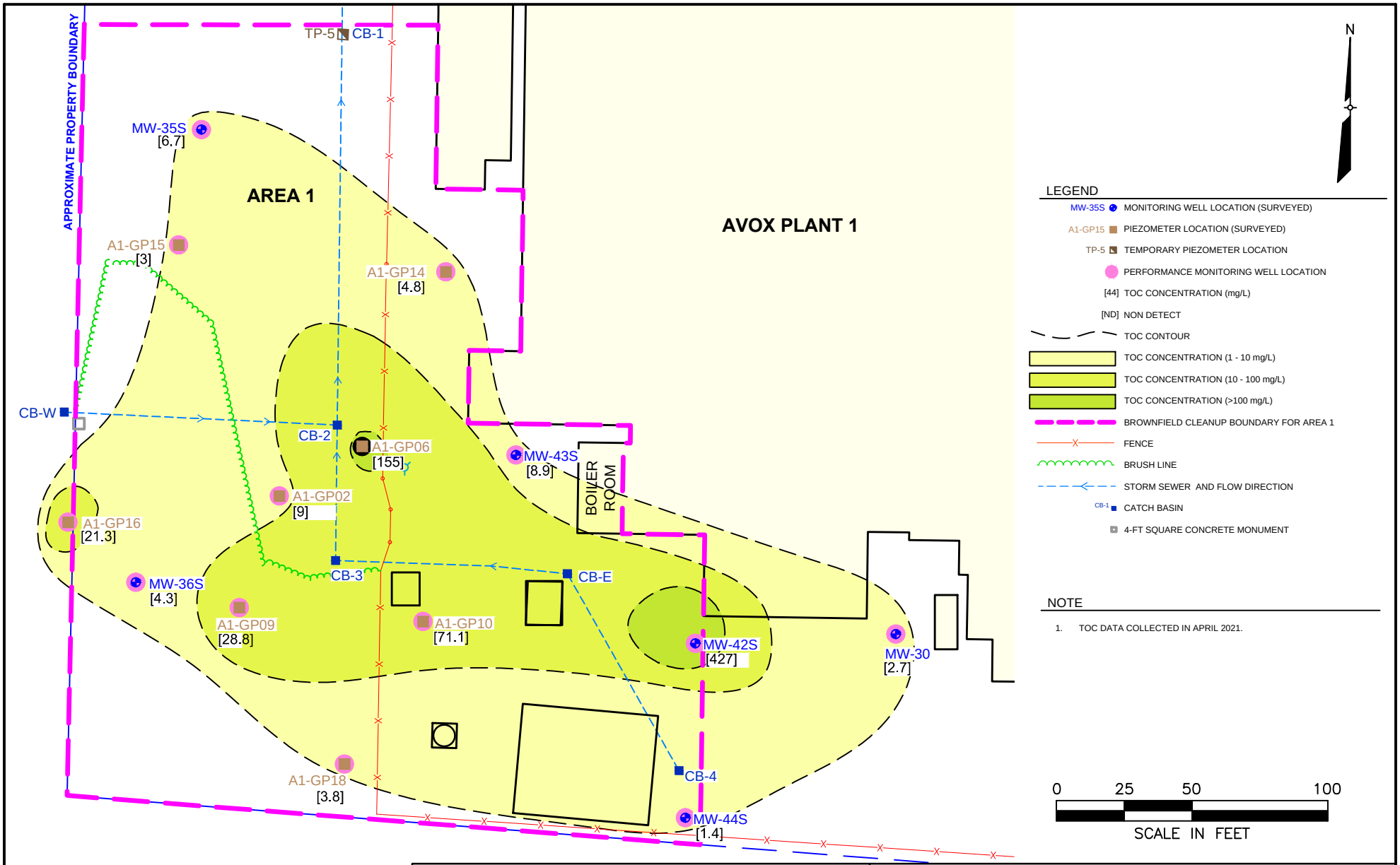
C:\Users\splawnm\Desktop\Projects\Scott Figgie\60536398_233 Total VOCs_Shallow Overburden Post-Inj Performance MW Locs_Apr2021.dwg, 5/24/2021 5:01:36 PM, Splawnm



AECOM

FIGURE 21
DEEP OVERBURDEN GROUNDWATER TOTAL VOCs PLUME APRIL 2021

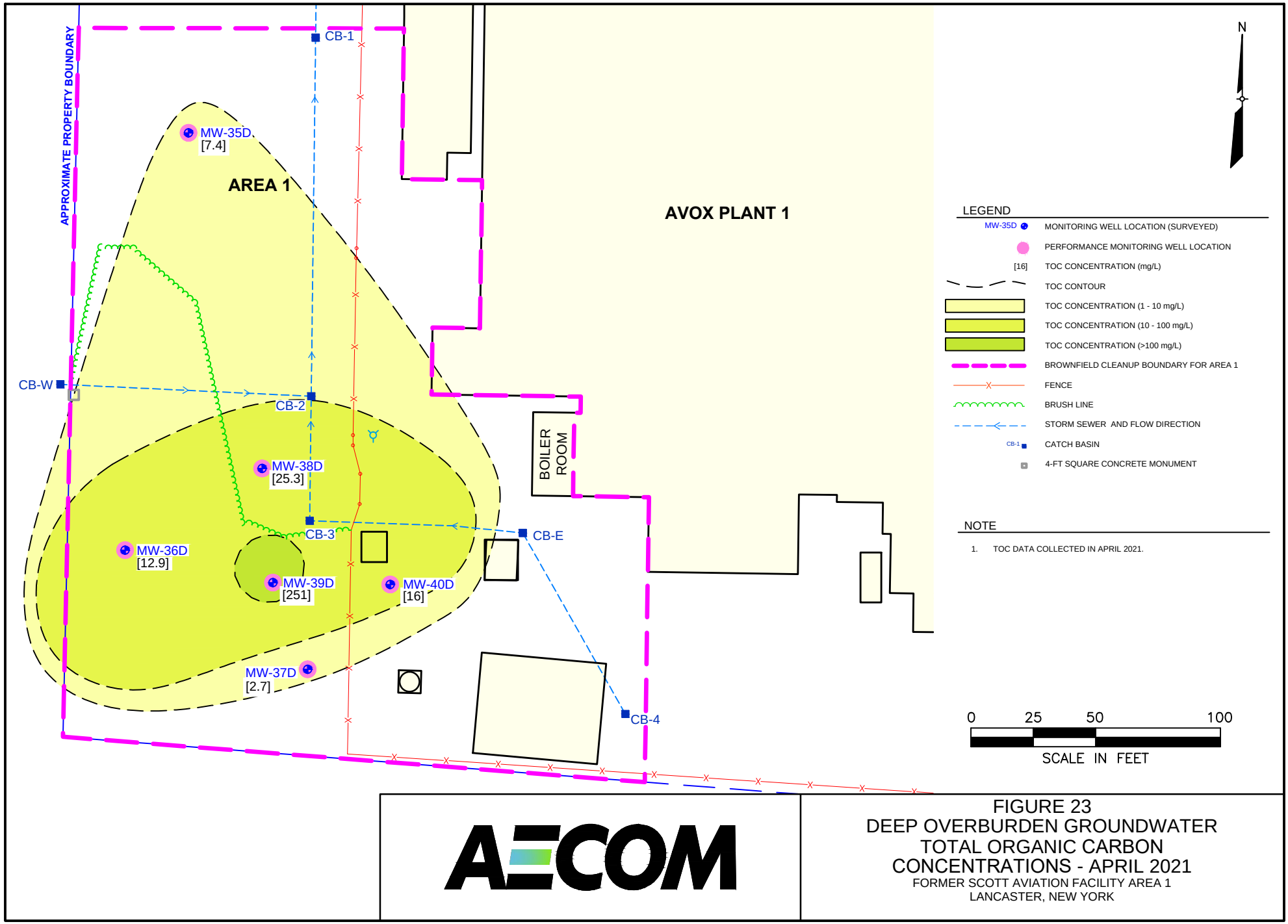
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM

FIGURE 22
SHALLOW OVERBURDEN GROUNDWATER TOTAL ORGANIC CARBON CONCENTRATIONS - APRIL 2021

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM

FIGURE 23
DEEP OVERBURDEN GROUNDWATER TOTAL ORGANIC CARBON CONCENTRATIONS - APRIL 2021

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

Tables

Table 1
Groundwater Monitoring Program
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Location	Field Parameters	VOCs (SW846 8260C)	TOC (SW846 9060A)	Iron Ferrous and Ferric (SM 3500 FE D)	Iron Ferric (SM 3500)	Nitrogen Nitrate (MCAWW 353.2)	Nitrate (EPA 353.2)	Manganese (SW846 6010C)	Sulfate (MCAWW 300.0)	Sulfide Total (SM 4500 S2 F)	Alkalinity (MCAWW 310.2)	Iron (EPA 200.7 Rev 4.4)	Carbon Dioxide (RSK-175)	Nitrogen Ammonia (MCAWW 350.1)	Methane Ethane, Ethene (RSK-175)
Monitoring Well and Temporary Piezometer Groundwater Sampling															
MW-30	✓	✓	✓												
MW-35S	✓	✓	✓												
MW-35D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-36S	✓	✓	✓												
MW-36D	✓	✓	✓												
MW-37D	✓	✓	✓												
MW-38D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-39D	✓	✓	✓												
MW-40D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-42S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-43S	✓	✓	✓												
MW-44S	✓	✓	✓												
A1-GP02-S	✓	✓	✓												
A1-GP06-S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A1-GP09-S	✓	✓	✓												
A1-GP10-S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A1-GP14-S	✓	✓	✓												
A1-GP15-S	✓	✓	✓												
A1-GP16-S	✓	✓	✓												
A1-GP18-S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Storm Sewer and Pipe Bedding Water Sampling															
CB-1	✓	✓													
CB-2	✓	✓													
CB-3	✓	✓													
CB-4	✓	✓													
CB-E	✓	✓													
TP-5	✓	✓													
TP-6	✓	✓													

Notes:
QA/QC samples to be collected per QAPP.
Field Parameters include pH, temperature, turbidity, oxidation-reduction potential (ORP), dissolved oxygen (DO), and specific conductivity.
VOC - Volatile Organic Compound
TOC - Total Organic Carbon

Table 2
Monitoring Well and Piezometer Specifications
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Well ID	Well Location	Coordinates (longitude/latitude)	Well Diameter (inches)	Elevation (feet above mean sea level)				Feet from Casing
				Casing	Surface	Screen Top	Screen Bottom	Mid-Screen
A1-GP02-S	Plume	42.9047° N, 78.6593° W	0.75	689.82	687.3	682.3	672.3	12.5
A1-GP06-S	Plume	42.9047° N, 78.6592° W	0.75	687.71	687.8	682.8	672.8	9.9
A1-GP09-S	Downgradient	42.9045° N, 78.6594° W	0.75	689.36	686.8	681.8	671.8	12.6
A1-GP10-S	Plume	42.9045° N, 78.6591° W	0.75	689.10	689.2	684.2	674.2	9.9
A1-GP14-S	Downgradient	42.9049° N, 78.6591° W	0.75	689.43	689.7	684.7	674.7	9.7
A1-GP15-S	Downgradient	42.9049° N, 78.6595° W	0.75	687.69	688.0	683.0	673.0	9.7
A1-GP16-S	Downgradient	42.9046° N, 78.6596° W	0.75	689.86	686.6	681.6	671.6	13.3
A1-GP18-S	Upgradient	42.9044° N, 78.6592° W	0.75	690.37	687.5	682.5	672.5	12.9
MW-30	Upgradient	42.9045° N, 78.6585° W	2.0	689.69	689.8	679.8	669.8	14.9
MW-35D	Downgradient	42.9050° N, 78.6594° W	2.0	688.40	688.9	667.9	662.9	23.0
MW-35S	Downgradient	42.9050° N, 78.6594° W	2.0	688.56	689.1	684.1	674.1	9.5
MW-36D	Plume	42.9046° N, 78.6595° W	2.0	689.66	687.1	671.1	666.1	21.1
MW-36S	Upgradient	42.9046° N, 78.6595° W	2.0	689.82	687.1	683.1	672.1	12.2
MW-37D	Upgradient	42.9044° N, 78.6593° W	2.0	690.05	687.6	672.6	667.6	19.9
MW-38D	Plume	42.9047° N, 78.6593° W	2.0	689.66	687.5	671.5	666.5	20.7
MW-39D	Plume	42.9045° N, 78.6593° W	2.0	689.72	687.4	672.4	667.4	19.8
MW-40D	Plume	42.9045° N, 78.6591° W	2.0	689.19	689.5	671.7	666.7	20.0
MW-42S	Plume	42.9045° N, 78.6588° W	2.0	689.08	689.7	684.7	674.7	9.4
MW-43S	Plume	42.9047° N, 78.6590° W	2.0	689.14	689.6	684.6	674.6	9.5
MW-44S	Upgradient	42.9043° N, 78.6588° W	2.0	688.98	689.4	684.4	674.4	9.6
TP-5	Stormsewer Bedding	42.9051° N, 78.6592° W	0.75	690.53	689.53	685.53	682.53	5.50
TP-6	Stormsewer Bedding	42.9051° N, 78.6592° W	0.75	690.25	690.45	686.45	681.45	4.30

Table 3
Groundwater Elevation Data
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation	April 1, 2021	
		Depth to Groundwater (feet from TOC)	Groundwater Elevation (feet AMSL)
Monitoring Wells			
MW-30[1]	689.69	3.14	686.55
MW-35S	688.56	0.65	687.91
MW-35D	688.40	6.56	681.84
MW-36S	689.82	2.87	686.95
MW-36D	689.66	5.25	684.41
MW-37D	690.05	4.41	685.64
MW-38D	689.66	3.20	686.46
MW-39D	689.72	4.04	685.68
MW-40D	689.19	3.20	685.99
MW-42S	689.08	0.60	688.48
MW-43S	689.13	2.10	687.03
MW-44S	688.96	0.40	688.56
Piezometers			
A1-GP02-S	689.82	3.05	686.77
A1-GP06-S	687.71	2.00	685.71
A1-GP09-S	689.36	2.50	686.86
A1-GP10-S	689.10	1.51	687.59
A1-GP14-S	689.43	1.81	687.62
A1-GP15-S	687.69	0.20	687.49
A1-GP16-S	689.86	2.77	687.09
A1-GP18-S	690.37	4.15	686.22
Storm Sewer			
TP-5	690.53	7.74	682.79
TP-6	690.25	7.45	682.80
CB-1	689.53	6.24	683.29
CB-2	687.40	3.62	683.78
CB-3	687.55	3.70	683.85
CB-4	689.00	3.25	685.75
CB-E	689.35	4.91	684.44

Notes:
1 - Well is screened across both shallow and deep overburden units.
TOC - Top of Casing
AMSL - Above Mean Sea Level
S - well is screened in shallow overburden
D - well is screened in deep overburden

Table 4

Summary of Monitoring Well Analytical Data - October 2020
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID	Groundwater	A1-GP02-S	A1-GP06-S	A1-GP09-S	A1-GP10-S	A1-GP14-S	A1-GP15-S	A1-GP16-S
Date Collected	RAO/TOGS 1.1.1	10/12/20	10/08/20	10/09/20	10/08/20	10/08/20	10/08/20	10/08/20
Lab Sample ID	Objective	480-176370-4	480-176254-2	480-176353-2	480-176254-3	480-176254-7	480-176254-5	480-176254-6
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane*	5	< 20 U	**80**	< 2.0 U	**15,000**	< 2.0 U	< 1.0 U	< 4.0 U
1,1-Dichloroethene*	5	< 20 U	< 25 U	< 2.0 U	**270**	< 2.0 U	< 1.0 U	< 4.0 U
1,1,1-Trichloroethane*	5	< 20 U	< 25 U	< 2.0 U	**1,300**	< 2.0 U	< 1.0 U	< 4.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	< 20 U	< 25 U	< 2.0 U	**110 J**	< 2.0 U	< 1.0 U	< 4.0 U
1,2-Dichloroethane*	0.6	< 20 U	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
2-Butanone (MIBK)	50	< 100 U	< 250 U	< 20 U	< 2,000 U	< 10 U	< 10 U	< 40 U
Acetone	50	< 200 U	< 250 U	**19 J**	< 2,000 U	**6.4 J**	< 10 U	< 40 U
Benzene	5	< 20 U	< 25 U	< 2.0 U	< 200 U	**1.9 J**	< 1.0 U	< 4.0 U
Chloroethane	5	< 20 U	**660**	< 2.0 U	**22,000**	**0.74 J**	< 1.0 U	< 4.0 U
cis-1,2-Dichloroethene*	5	**390**	< 25 U	< 2.0 U	**170 J**	< 2.0 U	< 1.0 U	**15**
Ethylbenzene	5	**37**	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Methylene Chloride	5	**19 J**	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Methylcyclohexane	5	< 20 U	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Toluene	5	< 20 U	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Vinyl chloride*	2	**2,300**	< 25 U	< 2.0 U	< 200 U	**1.8 J**	< 1.0 U	< 4.0 U
Xylenes, Total	5	**33 J**	< 50 U	< 4 U	< 400 U	< 4.0 U	< 2.0 U	< 8.0 U
Total Volatile Organic Compounds	NL	2,779	740	19	38,850	10.8	0	15

Table 4

Summary of Monitoring Well Analytical Data - October 2020
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID	Groundwater	A1-GP18-S	MW-30	MW-35S	Duplicate	MW-36S	MW-42S	MW-43S
Date Collected	RAO/TOGS 1.1.1	10/08/20	10/07/20	10/06/20	10/06/20	10/09/20	10/12/20	10/07/20
Lab Sample ID	Objective	480-176254-4	480-176142-4	480-176049-10	480-176049-8	480-176353-3	480-176370-3	480-176142-2
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**0.53 J**	**1,900**	< 4.0 U
1,1-Dichloroethene*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**99 J**	< 4.0 U
1,1,1-Trichloroethane*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**160 J**	< 4.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**240**	< 4.0 U
1,2-Dichloroethane*	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**76 J**	< 4.0 U
2-Butanone (MIBK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2,000 U	< 40 U
Acetone	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2,000 U	< 40 U
Benzene	5	< 1.0 U	**3.6 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
Chloroethane	5	< 1.0 U	**0.91 J**	< 1.0 U	< 1.0 U	< 1.0 U	**17,000**	**4.3**
cis-1,2-Dichloroethene*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**1.6**	**490**	< 4.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
Methylene Chloride	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**130 J**	< 4.0 U
Methylcyclohexane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
Toluene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**880**	< 4.0 U
Vinyl chloride*	2	< 1.0 U	**1.0**	< 1.0 U	< 1.0 U	< 1.0 U	**2,500**	< 4.0 U
Xylenes, Total	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 400 U	< 8.0 U
Total Volatile Organic Compounds	NL	0	5.5	0	0	2.1	23,475	4.3

Table 4

Summary of Monitoring Well Analytical Data - October 2020
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID	Groundwater	MW-44S	MW-35D	MW-36D	MW-37D	MW-38D	MW-39D	MW-40D
Date Collected	RAO/TOGS 1.1.1	10/07/20	10/06/20	10/09/20	10/07/20	10/12/20	10/09/20	10/12/20
Lab Sample ID	Objective	480-176142-3	480-176049-11	480-176353-4	480-176142-1	480-176370-1	480-176353-1	480-176370-2
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
1,1-Dichloroethene*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
1,1,1-Trichloroethane*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
1,2-Dichloroethane*	0.6	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
2-Butanone (MIBK)	50	< 10 U	< 10 U	< 40 U	< 10 U	**250**	**30**	**53 J**
Acetone	50	< 10 U	< 10 U	< 40 U	< 10 U	**35 J**	**28**	< 80 U
Benzene	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
Chloroethane	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	**2.2**	**270**
cis-1,2-Dichloroethene*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
Methylene Chloride	5	< 1.0 U	< 1.0 U	**3.6 J**	< 1.0 U	**4.2**	< 1.0 U	**5.0 J**
Methylcyclohexane	5	< 1.0 U	**0.31**	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
Toluene	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
Vinyl chloride*	2	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U
Xylenes, Total	5	< 2.0 U	< 2.0 U	< 8.0 U	< 2.0 U	< 8.0 U	< 2.0 U	< 16 U
Total Volatile Organic Compounds	NL	0	0.31	3.6	0	289	60	328

Notes:
Bold font indicates the analyte was detected.
Bold font and bold outline indicates the screening criteria was exceeded.
* Site-specific Contaminants of Concern per Decision Document (December 2015). Per NYSDEC comment letter dated August 29, 2019, cis-1,2-DCE was added as a Site-specific Contaminants of Concern.
Duplicate collected at MW-35S.
J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit. Concentrations within this range are estimated.
U - Not detected at or above reporting limit.
NL - Not listed

Table 5

Summary of Monitoring Well Analytical Data - April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID	Groundwater	A1-GP02-S	A1-GP06-S	A1-GP09-S	A1-GP10-S	A1-GP14-S	A1-GP15-S	A1-GP16-S
Date Collected	RAO/TOGS 1.1.1	04/01/21	04/01/21	04/01/21	04/01/21	04/01/21	04/01/21	04/01/21
Lab Sample ID	Objective	480-182787-8	480-182787-2	480-182787-10	480-182787-3	480-182787-11	480-182787-9	480-182787-12
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane*	5	< 40 U	**200**	< 2.0 U	**3,700**	< 2.0 U	**0.52**	< 4.0 U
1,1-Dichloroethene*	5	< 40 U	< 25 U	< 2.0 U	**200**	< 2.0 U	< 1.0 U	< 4.0 U
1,1,1-Trichloroethane*	5	< 40 U	**210**	< 2.0 U	**2,200**	< 2.0 U	< 1.0 U	< 4.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	< 40 U	**36**	< 2.0 U	**490**	< 2.0 U	< 1.0 U	< 4.0 U
1,2-Dichloroethane*	0.6	< 40 U	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
2-Butanone (MIBK)	50	< 400 U	< 130 U	< 20 U	< 1,000 U	< 10 U	< 10 U	< 40 U
2-Hexanone	50	< 200 U	< 130 U	< 10 U	< 1,000 U	< 10 U	< 5.0 U	< 20 U
Acetone	50	< 400 U	< 250 U	**6.1 J**	< 2,000 U	**6.4 J**	**12**	< 40 U
Carbon Disulfide	60	< 40 U	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Chloroethane	5	< 40 U	**1,000**	< 2.0 U	**8,600**	< 2.0 U	< 1.0 U	< 4.0 U
Chloromethane	5	< 40 U	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
cis-1,2-Dichloroethene*	5	**340**	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Ethylbenzene	5	**57**	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Methylene Chloride	5	< 40 U	**13 J**	**1.6 J**	< 200 U	**2.7**	< 1.0 U	< 4.0 U
Toluene	5	< 40 U	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Trichloroethene*	5	< 40 U	< 25 U	< 2.0 U	< 200 U	**2.4**	< 1.0 U	< 4.0 U
Vinyl chloride*	2	**4,500**	< 25 U	< 2.0 U	< 200 U	< 2.0 U	< 1.0 U	< 4.0 U
Xylenes, Total	5	**56 J**	< 50 U	< 4.0 U	< 400 U	< 4.0 U	< 2.0 U	< 8.0 U
Total Volatile Organic Compounds	NL	4,953	1,459	7.7	15,190	11.5	12.5	0

Table 5

Summary of Monitoring Well Analytical Data - April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID	Groundwater	A1-GP18-S	MW-30	MW-35S	Duplicate	MW-36S	MW-42S	MW-43S
Date Collected	RAO/TOGS 1.1.1	04/01/21	04/05/21	04/05/21	04/05/21	04/06/21	04/01/21	04/01/21
Lab Sample ID	Objective	480-182787-4	480-182636-4	480-182636-5	480-182636-1	480-182888-2	480-182787-5	480-182787-6
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**0.54 J**	**710**	< 4.0 U
1,1-Dichloroethene*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
1,1,1-Trichloroethane*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**380**	< 4.0 U
1,2-Dichloroethane*	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
2-Butanone (MIBK)	50	**2.9 J**	< 10 U	< 10 U	< 10 U	< 10 U	< 2,000 U	< 40 U
2-Hexanone	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1,000 U	< 20 U
Acetone	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2,000 U	< 40 U
Carbon Disulfide	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
Chloroethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**12,000**	< 4.0 U
Chloromethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
cis-1,2-Dichloroethene*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**2.2**	< 200 U	< 4.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
Methylene Chloride	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**100 J**	< 4.0 U
Toluene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**620**	< 4.0 U
Trichloroethene*	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 200 U	< 4.0 U
Vinyl chloride*	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**190 J**	< 4.0 U
Xylenes, Total	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 400 U	< 8.0 U
Total Volatile Organic Compounds	NL	2.9	0	0	0	2.7	14,000	0

Table 5

Summary of Monitoring Well Analytical Data - April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID	Groundwater	MW-44S	MW-35D	MW-36D	MW-37D	MW-38D	MW-39D	MW-40D
Date Collected	RAO/TOGS 1.1.1	04/01/21	04/05/21	04/06/21	04/05/21	04/05/21	04/05/21	04/01/21
Lab Sample ID	Objective	480-182787-7	480-182836-2	480-182888-1	480-182636-6	480-182636-3	480-182636-7	480-182787-1
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	**8.6**
1,1-Dichloroethene*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
1,1,1-Trichloroethane*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
1,2-Dichloroethane*	0.6	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
2-Butanone (MIBK)	50	< 10 U	< 10 U	< 40 U	< 10 U	< 80 U	**5.4 J**	< 80 U
2-Hexanone	50	< 5.0 U	< 5.0 U	< 20 U	< 5.0 U	< 40 U	**4.3 J**	< 40 U
Acetone	50	< 10 U	< 10 U	< 40 U	< 10 U	< 80 U	**6.4**	< 80 U
Carbon Disulfide	60	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
Chloroethane	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	**1.6**	**400**
Chloromethane	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
cis-1,2-Dichloroethene*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
Methylene Chloride	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
Toluene	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
Trichloroethene*	5	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
Vinyl chloride*	2	< 1.0 U	< 1.0 U	< 4.0 U	< 1.0 U	< 8.0 U	< 1.0 U	< 8.0 U
Xylenes, Total	5	< 2.0 U	< 2.0 U	< 8.0 U	< 2.0 U	< 16 U	< 2.0 U	< 16 U
Total Volatile Organic Compounds	NL	0	0	0	0	0	18	409

Notes:
Bold font indicates the analyte was detected.
Bold font and bold outline indicates the screening criteria was exceeded.
* Site-specific Contaminants of Concern per Decision Document (December 2015). Per NYSDEC comment letter dated August 29, 2019, cis-1,2-DCE was added as a Site-specific Contaminants of Concern.
Duplicate collected at MW-35S.
J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit. Concentrations within this range are estimated.
U - Not detected at or above reporting limit.
NL - Not listed

Table 6

Summary of Trichloroethene Concentrations
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Well ID	June 2010	August 2010	April 2011	June 1, 2011	June 16, 2011	October 2011	March 2015	June 2015	July 2015	January 2016	April 2016	July 2016	October 2016	January 2017	April 2017	July 2017	October 2017	January 2018	April 2018	July 2018	October 2018	January 2019	April 2019	July 2019	October 2019	January 2020	April 2020	October 2020	April 2021	TCE Reduction - Previous Sampling	TCE Reduction - Baseline Sampling
MW-30	1.4 J	1.6 J	-	-	-	-	-	-	1.1	-	ND	2.4	0.56 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-35S	ND	ND	-	-	-	-	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-35D	ND	ND	-	-	-	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-36S	**7.2**	0.58 J	-	-	-	-	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-36D	2.1	0.74 J	-	-	-	-	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-37D	ND	ND	-	-	-	-	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-39D	**11,000**	**2,100**	-	-	-	-	1.9	**18 J**	**6.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-40D	2.8 J	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-42S	-	-	**13,000**	-	-	-	**12,000**	**2,700**	**280**	-	ND	**100 J**	ND	ND	ND	ND	54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-43S	-	-	**15**	-	-	-	ND	-	0.60 J	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-44S	-	-	-	ND	-	-	-	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A1-GP02-S	**11,000**	**20,000**	-	-	-	-	**5,400**	-	**8,000**	**330 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A1-GP06-S	**46 J**	**200**	-	-	-	-	0.81 J	-	**18**	ND	**5.4 J**	ND	ND	ND	ND	ND	ND	ND	**7.2 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A1-GP09-S	ND	0.88 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A1-GP10-S	**92**	ND	-	-	-	-	**6.6**	ND	**36**	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A1-GP14-S	ND	ND	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	increase	increase
A1-GP15-S	ND	ND	-	-	-	-	-	-	4.0	-	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A1-GP16-S	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A1-GP18-S	ND	ND	-	-	-	-	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
TCE concentrations listed in µg/L.
TCE concentrations with bold outline represent baseline established prior to May 2015 injection IRM (i.e., highest concentration of TCE prior to injection IRM).
Bold TCE concentrations indicate the screening criteria of 5 µg/L was exceeded.
The injection of ABC+® occurred in May 2015 and is represented by a bold vertical line.
The suplimental injection of ABC-Ole® and ZVI occurred in May 2019 and is represented by a bold vertical dashed line.
ND - Not detected at or above reporting limit.
- - Not sampled.
NA - Not available.
J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit. Concentrations within this range are estimated.
* No baseline established as piezometer was installed following the May 2015 injection IRM.

Table 7

Summary of Catch Basin and Temporary Piezometers Analytical Data - April 2020 through April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID Date Collected Lab Sample ID	Groundwater RAO/NYCRR Objective	CB-1 04/09/20 480-16849-1	CB-1 07/23/20 480-172828-1	CB-1 10/05/20 480-176049-1	CB-1 04/01/21 480-182787-13	CB-2 04/09/20 480-16849-2	CB-2 07/23/20 480-172828-2	CB-2 10/05/20 480-176049-2	CB-2 04/01/20 480-182787-14
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1,1-Trichloroethane*	5	**40**	ND	ND	**2.5**	**35**	ND	ND	**3.2**
1,1,2-Trichloro-1,2,2-trifluoroethane	5	**37**	**4.4**	**7.1**	**27**	**19**	ND	**1.6**	**7.7**
1,1-Dichloroethane*	5	**15**	**0.94 J**	**1.3**	**5.4**	**13**	**1 J**	**6.7**	**9.1**
1,1-Dichloroethene*	5	**4.2**	ND	ND	**0.64 J**	**3.9**	ND	ND	**0.70 J**
Acetone	50	ND	ND	**3.3 J**	ND	ND	ND	**6.0 J**	ND
Chloroethane	5	**17**	ND	**1.6**	**2.5**	**6.3**	**2.3**	**18**	**6.2**
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene*	5	**94**	**4.2**	**1.2**	**24**	**90**	ND	**13**	**48**
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	5	ND	ND	ND	ND	ND	ND	ND	**0.30 J**
Methylene chloride	5	ND	**0.89 J**	ND	ND	ND	**1.6 J**	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	**3.4**	ND	ND	**0.59 J**	**3.8**	ND	ND	**2.0**
trans-1,2-Dichloroethene	5	**2.5**	ND	ND	**1.0**	ND	ND	**1.2**	**2.4**
Trichloroethene*	5	**5.3**	**2.1**	**0.50 J**	**9.9**	**7.6**	ND	**3.8**	**20**
Vinyl chloride*	2	**12**	ND	ND	**3.1**	**12**	ND	**4.4**	**8.3**
Xylenes, Total	5	**5.6**	ND	ND	**2.0**	**6.6**	**9.3**	ND	**6.0**
TVOC	NL	230	12.5	15.0	78.6	197	14	55	114

Table 7

Summary of Catch Basin and Temporary Piezometers Analytical Data - April 2020 through April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID Date Collected Lab Sample ID	Groundwater RAO/NYCRR Objective	CB-3 04/09/20 480-16849-3	CB-3 07/23/20 480-172828-3	CB-3 10/05/20 480-176049-3	CB-3 04/01/21 480-182787-15	CB-E 04/09/20 480-16849-4	CB-E 07/23/20 480-172828-5	CB-E 10/05/20 480-176049-5	CB-E 04/01/21 480-182787-16
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1,1-Trichloroethane*	5	**2,700**	ND	ND	ND	**11**	ND	ND	**1.4**
1,1,2-Trichloro-1,2,2-trifluoroethane	5	**710**	ND	**0.60 J**	**1.8**	**15**	**0.49 J**	ND	**3.7**
1,1-Dichloroethane*	5	**750**	**1.8**	**2.6**	**7.4**	**11**	**3.3**	**2.5**	**17**
1,1-Dichloroethene*	5	**240**	ND	ND	**0.58 J**	**4.1**	ND	ND	**1.5**
Acetone	50	ND	**9.0 J**	**6.1 J**	ND	ND	**5.6 J**	**4.3 J**	ND
Chloroethane	5	**250**	**3.6**	**7.8**	**9.4**	**7.0**	**6.2**	**9.8**	**23**
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene*	5	**3,500**	ND	ND	**5.0**	**33**	**0.99 J**	ND	**12**
Ethylbenzene	5	**55**	**1.3**	ND	**3.3**	**2.6**	**2.6**	**2.1**	**2.1**
Methylcyclohexane	5	ND	ND	ND	**1.7**	**0.54**	**0.45 J**	**0.27 J**	**3.9**
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	**0.58 J**
Toluene	5	**260**	**1.7**	ND	**11**	**5.8**	**3.4**	**1.4**	**37**
trans-1,2-Dichloroethene	5	**56**	ND	ND	ND	ND	ND	ND	**1.1**
Trichloroethene*	5	**28**	ND	ND	ND	ND	ND	ND	**0.99 J**
Vinyl chloride*	2	**600**	ND	ND	**2.7**	**6**	ND	ND	**8.3**
Xylenes, Total	5	**270**	**17**	**3.8**	**35**	**36**	**41**	**30**	**120**
TVOC	NL	9,419	34	21	78	132	64	50	233

Table 7

Summary of Catch Basin and Temporary Piezometers Analytical Data - April 2020 through April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID Date Collected Lab Sample ID	Groundwater RAO/NYCRR Objective	CB-4 04/09/20 480-16849-5	CB-4 07/23/20 480-172828-4	CB-4 10/05/20 480-176049-4	CB-4 04/01/21 480-182787-17	TP-5 04/09/20 480-16849-6	TP-5 07/23/20 480-172828-6	TP-5 10/05/20 480-176049-6	TP-5 04/01/21 480-182787-18
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1,1-Trichloroethane*	5	**59**	ND	ND	ND	**25**	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	**59**	ND	**1.9**	ND	**25**	**2.7**	**3.2**	**2.6**
1,1-Dichloroethane*	5	**53**	ND	**2.6**	ND	**10**	**1.4**	**1.0**	ND
1,1-Dichloroethene*	5	**28**	ND	ND	ND	**2.9**	ND	ND	ND
Acetone	50	ND	**3.7 J**	ND	**3.7 J**	ND	ND	ND	ND
Chloroethane	5	**29**	**0.40 J**	**2.7**	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	**4.4**	**0.61 J**	ND	ND
cis-1,2-Dichloroethene*	5	**200**	ND	ND	ND	**58**	**3.4**	**1.7**	**1.9**
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	5	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	**1.4**	ND	ND	ND
Trichloroethene*	5	ND	ND	ND	ND	**2.6**	**0.81 J**	**0.88 J**	**0.87 J**
Vinyl chloride*	2	**27**	ND	ND	ND	**4.9**	ND	ND	ND
Xylenes, Total	5	ND	ND	0.79 J	ND	ND	ND	ND	ND
TVOC	NL	455	4.1	8.0	3.7	134	8.9	6.8	5.4

Table 7

Summary of Catch Basin and Temporary Piezometers Analytical Data - April 2020 through April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. C915233
Lancaster, New York

Sample ID Date Collected Lab Sample ID	Groundwater RAO/NYCRR Objective	TP-6 04/09/20 480-16849-7	TP-6 07/23/20 480-172828-7	TP-6 10/05/20 480-176049-7	TP-6 04/01/21 480-182787-19
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1,1-Trichloroethane*	5	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	ND	ND	ND
1,1-Dichloroethane*	5	ND	ND	ND	ND
1,1-Dichloroethene*	5	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND
cis-1,2-Dichloroethene*	5	**1.3**	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Methylcyclohexane	5	ND	ND	ND	ND
Methylene chloride	5	**0.50**	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND
Trichloroethene*	5	ND	ND	ND	ND
Vinyl chloride*	2	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND
TVOC	NL	1.8	0	0	0

Notes:
Storm sewer piping replaced in June 2020.
Bold font indicates the analyte was detected.
Bold font and bold outline indicates the screening criteria was exceeded.
* Site-specific Contaminants of Concern.
ND - Not detected at or above reporting limit.
NL - Not listed.

Appendix A

Former Scott Aviation Area 1 Pre-Injection and Post-Injection Groundwater Quality Data

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																										
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																										
CB-1	Monitoring event	BL1	6/1/2011	-1434	6.34	NA	689.5	NA	NA (Grab Sample)						NS	420	400 J	1.6	53	41	ND	ND	ND	ND	61	ND	ND	2.8	ND	ND	140	ND	ND	ND	ND	ND	0.5 J	1.9	1.8	59	8.4	1 J
	Monitoring event	BL2	6/16/2011	-1419	6.34	NA	689.5	NA							NS	120	220	0.87 J	18	14	ND	ND	ND	ND	390 J	ND	ND	0.6 J	ND	ND	51	ND	ND	ND	ND	ND	ND	ND	1.5	18	1.4	ND
	Monitoring event	BL3	10/7/2011	-1306	6.34	NA	689.5	NA							NS	170	260	1.4	26	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	0.73 J	ND	ND	22	ND	ND
	Monitoring event	P1	6/12/2015	38	6.34	NA	689.5	NA							NS	27	19	ND	18	3.7	ND	ND	36	ND	340	ND	0.46 J	ND	0.55 J	ND	44	ND	ND	0.41 J	ND	ND	ND	3.2	ND	1.5	1.6	7.4
	Monitoring event	P2	1/6/2016	246	6.34	NA	689.5	NA							NS	45	140	0.29 J	42	8.2	0.28 J	ND	ND	ND	73	ND	ND	37	ND	ND	100	ND	0.75	0.18 J	ND	ND	ND	6.2	2.2	12	13	5.3
	Monitoring event	P3	4/8/2016	339	6.34	7.64	689.5	681.9							NS	10	32	ND	4.4	3.2 J	ND	ND	ND	ND	110	ND	ND	2.5 J	ND	ND	18	ND	ND	ND	6.9	ND	ND	ND	ND	2.9 J	ND	ND
	Monitoring event	P4	7/11/2016	433	6.34	6.31	689.5	683.2							NS	ND	1.6	ND	0.60 J	ND	ND	ND	ND	ND	4.7 J	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P5	10/13/2016	527	6.34	6.25	689.5	683.3	8.04	7.62	122	0.296	5.98	15	NS	3.4	3.5	ND	3.2	0.81 J	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.92	ND
	Monitoring event	P6	1/20/2017	626	6.34	NA	689.5	NA	NA (Grab Sample)						NS	21	45	ND	11	5.0	ND	ND	ND	ND	ND	ND	ND	5.6	ND	ND	33	ND	ND	ND	ND	ND	ND	1.4	ND	3.2	4.1	2.0
	Monitoring event	P7	4/7/2017	703	6.34	6.19	689.5	683.3	7.71	NA	25.9	0.305	17.9	NA	NS	13	16	ND	5.1	1.8	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	20	ND	ND	ND	ND	ND	ND	1.6	ND	0.97 J	1.8	1.8 J
	Monitoring event	P8	7/10/2017	797	6.34	6.3	690.5	684.2	7.82	0.63	6.7	0.630	4.95	17.8	NS	ND	4.3	ND	3.8	ND	ND	ND	ND	ND	3.4	ND	ND	0.76	ND	ND	1.0	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	10/18/2017	897	6.34	6.25	689.5	683.3	7.97	5.79	212	0.770	12.9	16.9	NS	45	23	0.31	28	3.0	ND	ND	ND	ND	ND	ND	ND	12.0	ND	ND	99.0	ND	ND	ND	ND	ND	ND	0.42	1.0	0.67	6.0	ND
	Monitoring event	P10	1/2/2018	973	6.34	NA	689.5	NA	NS (Grab Sample)						NS	83	270	ND	53	6.8	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	82	ND	ND	ND	ND	ND	ND	ND	ND	19	18	ND
	Monitoring event	P11	4/9/2018	1070	6.34	6.28	689.5	683.3	7.48	14.8	14.9	0.379	NA	3.85	NS	180	130	ND	47	13	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	260	ND	ND	ND	ND	ND	ND	11	4.0	11	17	5.5 J
	Monitoring event	P12	7/11/2018	1163	6.34	6.32	689.5	683.2	7.47	1.72	-72.5	0.656	11.1	18.7	NS	2.3	8.5	ND	6.2	0.44 J	ND	ND	ND	ND	21	ND	ND	ND	0.84 J	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	0.57 J	1.1	ND
	Monitoring event	P13	10/23/2018	1267	6.34	6.32	689.5	683.2	7.21	1.24	67.7	0.599	9.6	13.6	NS	58	82	0.41 J	41	5.1	0.23 J	ND	ND	ND	ND	ND	ND	14	ND	ND	120	ND	ND	ND	ND	ND	ND	0.75 J	1.6	1.2	9.7	ND
	Monitoring event	P14	1/8/2019	1344	6.34	NA	689.5	NA	7.83	0.63	-129	0.289	29.0	6.3	NS	2.7	9.1	ND	2.2	0.66 J	ND	ND	ND	ND	3.6 J	ND	ND	1.4	ND	ND	9.8	ND	ND	ND	ND	ND	ND	ND	ND	2.0	1.6	ND
	Monitoring event	P15	4/12/2019	1071	6.34	NA	689.5	NA	NS (Grab Sample)						NS	110	110	0.47 J	49	13	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	200	ND	ND	ND	ND	ND	ND	3.2	4.8	13	27	3.3

Well ID	Event / Description		Date	Elapsed Time (Days)	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																													Dechlorinating Bacteria	Functional Genes		
					Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(ug/L)				(mg/L)																				(cells / mL)			
CB-1	Monitoring event	BL1	6/1/2011	-1434	Not Sampled For These Parameters																											
	Monitoring event	BL2	6/16/2011	-1419																												
	Monitoring event	BL3	10/7/2011	-1306																												
	Monitoring event	P1	6/12/2015	38																												
	Monitoring event	P2	1/6/2016	246																												
	Monitoring event	P3	4/8/2016	339																												
	Monitoring event	P4	7/11/2016	433																												
	Monitoring event	P5	10/13/2016	527																												
	Monitoring event	P6	1/20/2017	626																												
	Monitoring event	P7	4/7/2017	703																												
	Monitoring event	P8	7/10/2017	797																												
	Monitoring event	P9	10/18/2017	897																												
	Monitoring event	P10	1/2/2018	973																												
	Monitoring event	P11	4/9/2018	1070																												
	Monitoring event	P12	7/11/2018	1163																												
	Monitoring event	P13	10/23/2018	1267																												
	Monitoring event	P14	1/8/2019	1344																												
	Monitoring event	P15	4/12/2019	1071																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
CB-1	Monitoring event	P16	7/22/2019	1539	6.34	NA	689.5	NA	NS (Grab Sample)						NS
	Monitoring event	P17	10/14/2019	1623	6.34	NS	689.5	NA	NS (Grab Sample)						NS
	Monitoring event	P18	1/9/2020	1710	6.34	NA	689.5	NA	7.26	7.88	64.4	0.726	9.8	2.8	NS
	Monitoring event	P19	4/9/2020	1072	6.34	6.08	689.5	683.4	NA (Grab Sample)						NS
	Monitoring event	P20	7/23/2020	1906	6.34	NA	689.5	NA	NS (Grab Sample)						NS
	Monitoring event	P21	10/5/2020	1980	6.34	NA	689.5	NA	NS (Grab Sample)						NS
	Monitoring event	P22	4/1/2021	2158	6.34	6.24	689.5	NA	NS (Grab Sample)						NS

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
CB-1	Monitoring event	P16	7/22/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P17	10/14/2019	45	39	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	100	ND	ND	ND	ND	ND	ND	ND	ND	6.4 J	ND	ND
	Monitoring event	P18	1/9/2020	88	140	ND	39	7.8 J	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	200	ND	ND	ND	ND	ND	ND	7.5 J	ND	13.0	29	ND
	Monitoring event	P19	4/9/2020	40	37	ND	15	4.2	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	94	ND	ND	ND	ND	ND	ND	3.4	2.5	5.3	12	5.6
	Monitoring event	P20	7/23/2020	ND	4.4	ND	0.94J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	0.89J	ND	ND	ND	ND	2.1	ND	ND
	Monitoring event	P21	10/5/2020	ND	7.1	ND	1.3	ND	ND	ND	ND	ND	3.3J	ND	ND	1.6	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	0.50J	ND	ND
	Monitoring event	P22	4/1/2021	2.5	27	ND	5.4	0.64J	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	24	ND	ND	ND	ND	ND	ND	0.59J	1.0	9.9	3.1	2.00

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
CB-1	Monitoring event	P16	7/22/2019	Not Sampled For These Parameters																											
	Monitoring event	P17	10/14/2019																												
	Monitoring event	P18	1/9/2020																												
	Monitoring event	P19	4/9/2020																												
	Monitoring event	P20	7/23/2020																												
	Monitoring event	P21	10/5/2020																												
	Monitoring event	P22	4/1/2021																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
TP-05	Monitoring event	BL1	6/1/2011	-1434	7.0	NA	690.5	NA	NA (Grab Sample)						NS
	Monitoring event	P1	7/28/2015	84	7.0	7.75	690.5	682.8	7.07	3.62	-66.7	1.153	9.43	19.5	NS
	Monitoring event	P2	1/6/2016	246	7.0	NA	690.5	NA	NA (Grab Sample)						NS
	Monitoring event	P3	4/8/2016	339	7.0	7.64	690.5	682.9							NS
	Monitoring event	P4	7/11/2016	433	7.0	7.79	690.5	682.7							NS
	Monitoring event	P5	10/13/2016	527	7.0	7.56	690.5	683.0	7.48	5.94	116	0.549	11.4	15.4	NS
	Monitoring event	P6	1/20/2017	626	7.0	NA	690.5	NA	NA (Grab Sample)						NS
	Monitoring event	P7	4/7/2017	703	7.0	7.63	690.5	682.9	7.3	NA	26.6	1.197	70.1	NA	NS
	Monitoring event	P8	7/10/2017	797	7.0	7.8	690.5	682.7	7.14	4.06	26.5	0.670	40.3	19.1	NS
	Monitoring event	P9	10/18/2017	897	7.0	7.64	690.5	682.9	7.71	3.92	221	0.740	122	17.1	NS
	Monitoring event	P10	1/2/2018	973	7.0	NA	690.5	NA	NA (Grab Sample)						NS
	Monitoring event	P11	4/9/2018	1070	7.0	7.76	690.5	682.7	7.42	14.1	71.3	0.689	NA	7.37	NS
	Monitoring event	P12	7/11/2018	1163	7.0	7.81	690.5	682.7	7.04	2.99	-7.0	0.883	43	19.42	NS
	Monitoring event	P13	10/23/2018	1267	7.0	6.9	690.5	683.6	7.56	5.57	45.9	0.575	4.0	13.6	NS
	Monitoring event	P14	1/8/2019	1344	7.0	7.49	690.5	683.0	7.54	5.42	-125.8	1.330	121	6.2	NS
	Monitoring event	P15	4/12/2019	1438	7.0	7.64	690.5	682.9	NA (Grab Sample)						NS
	Monitoring event	P16	7/22/2019	1539	7.0	NA	690.5	NA	NA (Grab Sample)						NS
	Monitoring event	P13	10/14/2019	1623	7.0	7.71	690.5	682.8	NA (Grab Sample)						NS

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
TP-05	Monitoring event	BL1	6/1/2011	83	60 J	ND	12	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND	8.8	1.6	ND
	Monitoring event	P1	7/28/2015	2.5	23	ND	29	1.1	ND	ND	22	ND	28	ND	ND	2.3	ND	ND	17	ND	ND	ND	0.48 J	ND	ND	4.4	1.2	1.9	9.9	4.3
	Monitoring event	P2	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54 J	ND	ND
	Monitoring event	P3	4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	7/11/2016	ND	2.7	ND	2.2	ND	ND	ND	ND	ND	3.3 J	ND	ND	0.49 J	ND	ND	1.4	2.1	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND
	Monitoring event	P5	10/13/2016	0.82 J	ND	ND	3.2 J	ND	ND	ND	ND	ND	ND	ND	ND	0.92 J	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	0.87	ND	ND
	Monitoring event	P6	1/20/2017	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	4/7/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	7/10/2017	ND	2.5	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND
	Monitoring event	P9	10/18/2017	8.6	3.7	ND	7.5	0.64	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	20.0	ND	ND	ND	ND	ND	ND	ND	ND	1.1	1.2	ND
	Monitoring event	P10	1/2/2018	ND	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND
	Monitoring event	P11	4/9/2018	4.0	7.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.5	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND
	Monitoring event	P12	7/11/2018	4.1	7.9	ND	4.4	0.75 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND
	Monitoring event	P13	10/23/2018	42	58	0.32 J	34	4.1	ND	ND	ND	ND	3.5 J	ND	ND	11	ND	ND	74	ND	ND	ND	ND	ND	ND	ND	1.2	1.3	6.1	ND
	Monitoring event	P14	1/8/2019	4.6	64	ND	29	6.2	ND	ND	ND	ND	3.2 J	ND	ND	13	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	1.6	5.2	9.0	ND
	Monitoring event	P15	4/12/2019	60	260	ND	39	ND	ND	ND	ND	ND	ND	ND	ND	9.3	ND	ND	81	ND	ND	ND	ND	ND	ND	ND	2.2	4.7	8.3	ND
	Monitoring event	P16	7/22/2019	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P13	10/14/2019	13	13	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
TP-05	Monitoring event	BL1	6/1/2011	Not Sampled For These Parameters																											
	Monitoring event	P1	7/28/2015																												
	Monitoring event	P2	1/6/2016																												
	Monitoring event	P3	4/8/2016																												
	Monitoring event	P4	7/11/2016																												
	Monitoring event	P5	10/13/2016																												
	Monitoring event	P6	1/20/2017																												
	Monitoring event	P7	4/7/2017																												
	Monitoring event	P8	7/10/2017																												
	Monitoring event	P9	10/18/2017																												
	Monitoring event	P10	1/2/2018																												
	Monitoring event	P11	4/9/2018																												
	Monitoring event	P12	7/11/2018																												
	Monitoring event	P13	10/23/2018																												
	Monitoring event	P14	1/8/2019																												
	Monitoring event	P15	4/12/2019																												
	Monitoring event	P16	7/22/2019																												
	Monitoring event	P13	10/14/2019																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
TP-05	Monitoring event	P14	1/8/2020	1709	7.0	7.65	690.5	682.9	7.31	5.42	-125.8	1.330	121	6.2	NS
	Monitoring event	P15	4/9/2020	1801	7.0	7.56	690.5	682.9	NA (Grab Sample)						NS
	Monitoring event	P16	7/23/2020	1906	7.0	NA	690.5	NA	NA (Grab Sample)						NS
	Monitoring event	P17	10/5/2020	1980	7.0	NA	690.5	NA	NA (Grab Sample)						NS
	Monitoring event	P18	4/1/2021	2158	7.0	7.74	690.5	NA	NA (Grab Sample)						NS

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
TP-05	Monitoring event	P14	1/8/2020	43	32	ND	18	3.5 J	ND	ND	ND	ND	ND	ND	ND	9.2 J	ND	ND	93	ND	ND	ND	ND	ND	ND	ND	ND	5.2 J	9.2 J	ND
	Monitoring event	P15	4/9/2020	25	25	ND	10	2.9	ND	ND	ND	ND	ND	ND	ND	4.4	ND	ND	58	ND	ND	ND	ND	ND	ND	ND	1.6	2.6	4.9	ND
	Monitoring event	P16	7/23/2020	ND	2.7	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	0.61J	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	0.81J	ND	ND
	Monitoring event	P17	10/5/2020	ND	3.2	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	0.88J	ND	ND
	Monitoring event	P18	4/1/2021	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	0.87J	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
TP-05	Monitoring event	P14	1/8/2020	Not Sampled For These Parameters																											
	Monitoring event	P15	4/9/2020																												
	Monitoring event	P16	7/23/2020																												
	Monitoring event	P17	10/5/2020																												
	Monitoring event	P18	4/1/2021																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																										
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																										
TP-06	Monitoring event	P1	6/12/2015	38	9.0	NA	690.3	NA	NA (Grab Sample)						NS	1.8	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	ND	0.49 J	ND	ND
	Monitoring event	P2	7/28/2015	84	9.0	7.75	690.3	682.5	7.13	1.54	54.5	3.082	2.82	19.4	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	0.83 J	ND	ND
	Monitoring event	P3	1/6/2016	246	9.0	NA	690.3	NA	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	4/8/2016	339	9.0	7.4	690.3	682.9							NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P5	7/11/2016	433	9.0	7.52	690.3	682.7							NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P6	10/13/2016	527	8.6	7.43	690.3	682.8	7.34	4.61	175.9	2.302	24.2	16.71	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	1/20/2017	626	9.0	NA	690.3	NA	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	4/7/2017	703	9.0	7.33	690.3	682.9	9.51	NA	18.4	1.525	150	NA	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	7/10/2017	797	9.0	8.5	690.3	681.8	7.27	1.10	19.6	3.16	52.1	18.8	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.67	ND	ND
	Monitoring event	P10	10/18/2017	897	9.0	7.45	690.3	682.9	7.71	5.21	207.2	2.44	27	17.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42	ND	ND	ND	ND	ND	ND	ND	ND	0.46	ND	ND
	Monitoring event	P11	1/2/2018	973	9.0	NA	690.3	NA	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P12	4/19/2018	1080	9.0	7.48	690.3	682.8	7.09	14.63	61.13	2.478	NA	6.34	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P13	7/11/2018	1163	9.0	7.48	690.3	682.8	7.20	1.53	-32.9	3.410	48.1	17.97	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P14	10/23/2018	1267	9.0	7.4	690.3	682.9	7.07	2.71	96.1	1.340	23.1	16.8	NS	ND	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P15	1/8/2019	1344	9.0	7.19	690.3	683.1	7.02	4.3	7.4	3.930	39.5	7.6	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P16	4/12/2019	1438	9.0	7.44	690.3	682.86	7.3	6.57	-0.3	4.865	-518	9.0	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P17	7/22/2019	1539	9.0	NA	690.3	NA	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P18	10/14/2019	1623	9.0	7.49	690.3	682.8	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P19	1/8/2020	1709	9.0	7.48	690.3	682.8	6.95	5.56	103.4	4.45	46.7	5.0	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
TP-06	Monitoring event	P1	6/12/2015	Not Sampled For These Parameters																											
	Monitoring event	P2	7/28/2015																												
	Monitoring event	P3	1/6/2016																												
	Monitoring event	P4	4/8/2016																												
	Monitoring event	P5	7/11/2016																												
	Monitoring event	P6	10/13/2016																												
	Monitoring event	P7	1/20/2017																												
	Monitoring event	P8	4/7/2017																												
	Monitoring event	P9	7/10/2017																												
	Monitoring event	P10	10/18/2017																												
	Monitoring event	P11	1/2/2018																												
	Monitoring event	P12	4/19/2018																												
	Monitoring event	P13	7/11/2018																												
	Monitoring event	P14	10/23/2018																												
	Monitoring event	P15	1/8/2019																												
	Monitoring event	P16	4/12/2019																												
	Monitoring event	P17	7/22/2019																												
	Monitoring event	P18	10/14/2019																												
	Monitoring event	P19	1/8/2020																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
TP-06	Monitoring event	P20	4/9/2020	1801	9.0	7.49	690.3	682.8	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	0.5JB	ND	ND	ND	ND	ND	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	P21	7/23/2020	1906	9.0	7.48	690.3	682.8	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P21	10/5/2020	1980	9.0	7.48	690.3	682.8	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.61J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P22	4/1/2021	2158	9.0	7.45	690.3	682.9	NA (Grab Sample)						NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP02-S	Monitoring event	BL1	6/22/2010	-1778	15	4.12	689.8	685.7	6.93	7.31	47.1	1.117	46.5	18.4	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,400	ND	ND	ND	ND	ND	ND	ND	94 J	11,000	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/4/2010	-1735	15	4.9	689.8	684.9	6.82	4.37	-31.9	1.170	454	21.27	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000	ND	ND	ND	ND	ND	ND	ND	190 J	20,000	ND	ND																												
	Monitoring event	BL3	3/10/2015	-56	15	3.95	689.8	685.9	7.24	6.95	-0.9	0.850	52.7	6.86	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,300	ND	ND	ND	ND	ND	ND	ND	ND	5,400	ND	ND																												
	Monitoring event	P1	7/28/2015	84	15	4.55	689.8	685.3	5.75	0.89	48.2	5.212	25	16.89	3,700	ND	ND	ND	ND	34 J	ND	ND	ND	ND	360 J	ND	ND	ND	ND	ND	23,000	ND	ND	ND	92	ND	ND	ND	120	8,000	140	ND																												
	Monitoring event	P2	1/7/2016	247	15	4.1	689.8	685.7	6.06	3.51	21.8	5.662	53.2	9.23	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29,000	ND	ND	ND	ND	ND	ND	ND	ND	330 J	770	ND																												
	Monitoring event	P3	4/8/2016	339	15	2.64	689.8	687.2	6.24	2.24	-5.3	2.794	69.3	6.85	1,280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22,000	ND	ND	ND	250 J	ND	ND	ND	ND	ND	2,400	ND																												
	Monitoring event	P4	7/11/2016	433	15	6.04	689.8	683.8	6.35	3.9	-40.7	4.406	43.7	18.39	1,570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000	ND																												
	Monitoring event	P5	10/10/2016	524	15	6.6	689.8	683.2	6.71	6.59	-61.4	3.404	43.5	18.42	1,180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	13,000	ND																												
	Monitoring event	P6	1/23/2017	629	15	3.15	689.8	686.7	6.68	3.1	-61.3	1.284	20.3	8.27	261	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	810	ND	ND	ND	ND	ND	ND	ND	50	ND	1,700	ND																												
	Monitoring event	P7	4/11/2017	707	15	2.75	689.8	687.1	6.52	4.88	-44.7	1.413	125	10.7	268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	900	ND	ND	ND	ND	ND	ND	ND	93	ND	3,700	ND																												
	Monitoring event	P8	7/6/2017	793	15	5.7	689.8	684.1	6.79	2.4	-90.7	2.390	23.9	17.0	669	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	790	ND	65	ND	ND	ND	ND	ND	50	ND	4,300	54																												
	Monitoring event	P9	10/17/2017	896	15	4.4	689.8	685.4	6.84	2.44	-235.4	36.200	36.2	14.7	407	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	ND	ND	ND	ND	ND	230	ND	33	ND	ND	ND	ND	ND	ND	ND	1,900	29																												
	Monitoring event	P10	1/5/2018	976	15	3.61	689.8	686.2	8.21	4.91	-112.1	1.060	NA	6.8	270	ND	ND	ND	ND	ND	ND	ND	64 J	ND	96 J	ND	ND	ND	ND	ND	680	ND	47	ND	ND	ND	ND	ND	ND	ND	6,700	43																												
	Monitoring event	P11	4/12/2018	1073	15	3.45	689.8	686.4	6.96	5.26	-74.5	1.109	NA	8.5	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	730	ND	49	9.4 J	ND	ND	ND	ND	ND	ND	4,200	44																												
	Monitoring event	P12	7/9/2018	1161	15	5.70	689.8	684.1	8.1	3.01	-100	1.935	47.1	17.2	232 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	460	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,600	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																	Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP02-S	Monitoring event	P13	10/18/2018	1262	15	5.00	689.8	684.8	7.31	1.94	10.4	1.334	864	14.7	87.4	ND	ND	ND	ND	ND	ND	ND	42 J	ND	66 J	ND	5.3 JB	ND	ND	ND	74	ND	15 J	ND	14 J	ND	ND	ND	ND	ND	1,300	ND	Not Sampled For These Parameters																											
	Monitoring event	P14	1/2/2019	1338	15	3.30	689.8	686.5	6.96	3.45	-97.2	1.300	27	9.1	75.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150	ND	23	ND	ND	ND	ND	ND	ND	ND	750	20 J																												
	Monitoring event	P15	4/18/2019	1444	15	2.89	689.8	686.9	7.11	4.68	-43.9	1.366	123.5	8.9	66.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	450	ND	ND	ND	9.9 J	ND	ND	ND	ND	ND	1,300	ND																												
	Monitoring event	P16	7/25/2019	1542	15	5.39	689.8	684.4	7.48	2.3	85.4	1.363	646.4	18.7	30.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	65 J	ND	ND	ND	ND	ND	46	ND	ND	ND	9.9 J	ND	ND	ND	ND	ND	1,200	13 J																												
	Monitoring event	P17	10/14/2019	1623	15	4.00	689.8	685.8	6.4	1.8	-41.6	1.427	73.59	14.1	37.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	27	ND	ND	ND	ND	ND	ND	ND	390	26 J																												
	Monitoring event	P18	1/7/2020	1708	15	3.19	689.8	686.6	7.02	2.42	-59.5	1.230	45.5	7.3	21.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	ND	ND	ND	ND	ND	ND	ND	ND	ND	450	ND																												
	Monitoring event	P19	4/13/2020	1805	15	2.61	689.8	687.2	7.02	2.53	-27	1.199	19	9.6	15.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	420	ND	21	ND	ND	ND	ND	ND	ND	ND	1,500	21J																												
	Monitoring event	P20	10/12/2020	1987	15	3.60	689.8	686.2	6.47	1.33	-67.7	0.864	58.4	16.0	15.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	ND	37	ND	19J	ND	ND	ND	ND	ND	2300	33J																												
	Monitoring event	P21	4/1/2021	2158	15	3.05	689.8	686.8	6.85	3.66	-70.4	0.617	54.6	6.1	9.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,400	ND	57	ND	ND	ND	ND	ND	ND	ND	4,500	56J																												

TRUE

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP06-S	Monitoring event	BL1	6/21/2010	-1779	15	3.4	687.7	684.3	6.88	3.45	83.7	0.752	64.1	17	NS	620	660	ND	890	63 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32 J	ND	ND	ND	ND	ND	ND	ND	ND	46 J	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/4/2010	-1735	15	3.24	687.7	684.5	7.1	4.32	13.2	0.793	4.1	19.3	NS	1,700	1,900	16 J	3,200	270	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	33 J	ND	ND	ND	ND	ND	ND	ND	200	20 J	ND																												
	Monitoring event	BL3	11/5/2014	-181	15	2.15	687.7	685.6	7.19	1.0	-57	0.759	NS	12.7	NS	Not Sampled For These Parameters																											9,500	NS	NS	44	ND	0.05	0.27	22	NS	ND	ND	0.23	19.6	ND	376	ND	0.27	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	BL4	3/11/2015	-55	15	2.0	687.7	685.7	5.8	9.8	257	0.616	8.54	4.86	5.5	ND	7.4	ND	21	0.89 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 B	ND	ND	ND	ND	0.81 J	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	P1	7/27/2015	83	15	2.75	687.7	685.0	6.8	0.63	-106.2	3.365	11.8	15.83	1,420	110	300	4.1	3,300	60	3.1	ND	140	ND	50	ND	0.34 J	36	0.68 J	ND	270	190	ND	ND	ND	16	ND	15	3.2	18	16	ND	10,000	ND	ND	660	ND	1.6 B	45.5	ND	NS	ND	0.42	0.19	3220	3410	2430	27.6	73.1	1730	14.4	ND	137	836	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P2	1/7/2016	247	15	2.1	687.7	685.6	7.18	0.51	-115.7	2.024	17.0	10.28	415	ND	ND	ND	340	ND	ND	ND	95 J	ND	41 J	ND	ND	310	ND	ND	25	ND	ND	ND	5.5 J	ND	ND	ND	ND	ND	16	ND	4,000	ND	ND	2,900	0.029 J	0.37	21	22.3	ND	ND	0.54	0.023	443	942	787 B	ND	21	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P3	4/8/2016	339	15	1.76	687.7	686.0	7.11	0.7	-93.5	1.126	33.2	6.42	219	73	63	ND	450	7.8 J	ND	ND	28 J	ND	ND	ND	ND	790	ND	ND	ND	ND	ND	ND	5.1 J	ND	ND	6.1 J	ND	5.4 J	33	ND	6,000	ND	ND	2,200	ND	0.46	15.8	9.2	ND	ND	0.059	0.019 J	453	552 b	701	ND	15.8	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P4	7/12/2016	434	15	3.23	687.7	684.5	7.22	1.18	-137.2	1.964	47.9	17.81	588	35	110	ND	680	ND	ND	ND	69 J	ND	31 J	ND	ND	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	49,000	ND	ND	410	ND	0.25 B	7.4	ND	ND	ND	0.16	0.13	2030 B	>1295.73 H b	1360	1.2 H F	8.6	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P5	10/10/2016	524	15	3.55	687.7	684.2	7.28	1.92	-83.5	2.066	11.4	17.64	398	ND	26	ND	270	ND	ND	ND	ND	ND	ND	ND	ND	670	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36,000	ND	ND	2,600	ND	0.23 B	4.9	ND	0.80 J	0.020 J	0.14	0.16	1,750	ND	1,080	ND	4.9	ND	ND	ND	ND	ND	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P6	1/24/2017	630	15	1.67	687.7	686.0	7.96	0.47	-106	1.177	19.5	10.65	47.7	24	31	ND	300	ND	ND	ND	ND	ND	ND	ND	ND	1,300	ND	ND	ND	ND	ND	ND	16 J	ND	ND	ND	ND	ND	29	ND	44,000	ND	ND	1,800	0.024 J	0.23	13.6	33.9	ND	ND	0.060 F1	ND	211	744 H b	456	0.080 J H F	13.7	ND	ND	ND	ND	ND	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P7	4/11/2017	707	15	0.35	687.7	687.4	7.17	0.58	-90.7	0.945	33	11.6	245	34	52	ND	210	6.2 J	ND	ND	32 J	ND	ND	ND	ND	730	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23,000	ND	ND	2,500	ND	0.12	2.9	12	ND	ND	0.05	0.065	574	418 Hb	697	ND	ND	ND	ND	ND	ND	ND	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P7	7/6/2017	793	15	3.3	687.7	684.4	7.31	0.79	-75.3	1.300	15.8	15.7	210	63	68	490	13	ND	ND	ND	ND	ND	ND	ND	ND	1,400	ND	ND	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	ND	38,000	ND	ND	710	ND	0.26	9.1	7.3	1.2	ND	0.14	0.039	531	498	663	ND	9.1	ND	ND	ND	ND	ND	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P8	10/18/2017	897	15	3.95	687.7	683.8	7.59	5.56	-227	1.440	10.1	15.0	288	ND	ND	ND	200	ND	ND	ND	42	ND	73	ND	ND	1,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4	ND	ND	14	ND	32,000	ND	ND	13,000	0.048	0.13	8.6	62.1	ND	ND	0.068	0.084	677	608	757	ND	8.6	ND	ND	ND	ND	ND	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P9	1/5/2018	976	15	2.00	687.7	685.7	11.05	0.75	-196.2	0.843	NA	11.22	4.6	44	1.6 J	84	400	3.7 J	2.1 J	ND	16 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46,000	ND	ND	2,600	ND	0.33	10.3	15.6	ND	ND	0.25	0.040	261	283 H b	515	ND	10.3	ND	ND	ND	ND	ND	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P10	4/10/2018	1071	15	1.65	687.7	686.1	7.26	1.31	-108.3	0.553	NA	7.3	53.0	110	92	ND	360	6.8 J	ND	ND	ND	ND	ND	ND	ND	940	ND	ND	8.2 J	ND	ND	ND	ND	ND	ND	ND	ND	7.2 J	11	ND	38,000	ND	ND	16,000	NS	0.59	18.0	3.1 J	NS	NS	0.24	NS	110	274 H b	565 B	ND	18.0	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP06-S	Monitoring event	P11	7/9/2018	1161	15	2.55	687.7	685.2	7.2	3.86	-86.2	1.330	28	15.55	215 B	18	15.0	ND	250	4.1 J	2.6 J	ND	60 J*	ND	31 J	ND	ND	2,600	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1 J	ND	ND	20	ND	25,000	ND	ND	17,000	ND	0.23 B	7.4	6.5 J	1	ND	0.1	0.025	547 B	378 H	646 B	ND	7.4	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P12	10/19/2018	1263	15	3.62	687.7	684.1	7.34	0.55	-45.8	0.997	26.9	15.6	159.0	15	3.5 J	ND	210 F1	ND	3.3 J	ND	46 J	ND	ND	ND	ND	1,500	ND	ND	ND	ND	ND	ND	6.3 J	ND	ND	5.1 J	ND	ND	9.9 J	ND	B21,000	ND	ND	13,000	ND	0.12 B	3.0	ND	ND	ND	0.099 B	0.059	533	>189.81	538	ND	3.0	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P13	1/4/2019	1340	15	0.95	687.7	686.8	7.46	0.36	-133.6	0.950	19	9.9	58.8	21 J	ND	ND	170	ND	ND	ND	ND	ND	ND	ND	ND	780	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26,000	ND	ND	19,000	ND	0.98	65.3	14.9	ND	ND	ND	0.21	172	57.2 Hb	417 B	ND	65.3	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P14	4/15/2019	1441	15	1.55	687.7	686.2	6.94	4.43	108.5	0.673	18.54	7.4	70.5	23 J	12	ND	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P15	7/22/2019	1539	15	2.73	687.7	685.0	6.36	1.16	-11.8	1.732	7.1	14.1	519.0	22 J	13 J	ND	230	ND	ND	ND	ND	ND	140 J	ND	ND	820	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1E+05	ND	ND	4,000	ND	0.75 B	38.6	ND	ND	ND	ND	0.023	ND	ND	848	ND	38.6	ND	ND	ND	ND	ND	89.2	ND	Not Sampled For These Parameters			
	Monitoring event	P16	10/14/2019	1623	15	2	687.7	685.7	6.99	0.7	-73.8	1.236	24.45	12.6	375.0	ND	ND	ND	89	ND	ND	ND	ND	ND	ND	ND	ND	510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	87,000	ND	ND	7,500	ND	0.52 B	49.9	ND	ND	0.059	NS	0.026	NS	NS	806	0.11 HF	50.0	NS	NS	NS	NS	NS	73.7	NS	Not Sampled For These Parameters			
	Monitoring event	P17	1/7/2020	1708	15	2.41	687.7	685.3	6.85	1.51	-79.8	1.490	94.1	7.4	168.0	ND	ND	ND	86	ND	ND	ND	ND	ND	ND	ND	ND	760	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57,000	1.9 J	ND	20,000	ND	0.34	22.0	ND	ND	ND	NS	0.014 J	NS	NS	565	ND	22	NS	NS	NS	NS	NS	76.5	NS	Not Sampled For These Parameters			
	Monitoring event	P18	4/13/2020	1805	15	2.35	687.7	685.4	6.89	6.13	90.1	1.427	43	8.33	155.0	33	14J	ND	200	ND	ND	ND	ND	ND	ND	ND	ND	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57,000	ND	ND	20,000	0.026J	0.46	25.8	3.1J	ND	ND	NS	0.036	NS	NS	732	0.34HF	26.1	NS	NS	NS	NS	NS	78.9	NS	Not Sampled For These Parameters			
	Monitoring event	P19	10/8/2020	1983	15	2.87	687.7	684.8	7.58	1.27	-88.8	0.742	48.1	14.5	79.6	ND	ND	ND	80	ND	ND	ND	ND	ND	ND	ND	ND	660	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60,000	ND	ND	13,000	ND	0.66	33.0	17.3	ND	ND	NS	0.034B	NS	NS	497	0.26HF	33.3	NS	NS	NS	NS	NS	50.6	NS	Not Sampled For These Parameters			
	monitoring event	P20	4/2/2021	2159	15	2.00	687.7	685.7	6.81	3.48	-53	0.830	14.1	7.55	155.0	31	36	ND	210	ND	ND	ND	ND	ND	ND	ND	ND	1,000	ND	ND	ND	ND	ND	ND	13J	ND	ND	ND	ND	ND	ND	ND	47,000	ND	ND	19,000	ND	0.46B	7.9	6.0J	ND	ND	NS	0.07	NS	NS	632	ND	7.9	NS	NS	NS	NS	NS	65.2	NS	Not Sampled For These Parameters			

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																										
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																										
A1-GP09-S	Monitoring event	BL1	6/22/2010	-1778	15	4.1	689.4	685.3	6.53	0.57	-46.2	0.593	220	13.1	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	BL2	8/3/2010	-1736	15	5.35	689.4	683.5	6.95	4.46	-108	0.744	>500	16.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88 J	ND	ND
	Monitoring event	P1	10/18/2017	897	15	8.13	689.4	681.2	6.78	0.66	-232	1.040	21.4	12.9	9.6 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P2	1/2/2018	973	15	NA	689.4	NA	Not Sampled (well had ice frozen in stick up)																																	
	Monitoring event	P3	4/12/2018	1073	15	NA	689.4	NA	NA	NA	NA	NA	NA	NA	20.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	7/11/2018	1163	15	7.18	689.4	682.2	7.17	2.21	-75.4	1.019	60.8	13	8.0 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P5	10/19/2018	1263	15.5	10.2	689.4	679.2	7.65	1.68	-21.2	0.625	63.2	15.4	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P6	1/3/2019	1339	15	NA	689.4	NA	NA	NA	NA	NA	NA	NA	18.1	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	4/17/2019	1443	15.5	2.4	689.4	687.0	6.96	2.91	-45.0	0.820	25.6	7.1	25.6	ND	ND	ND	2.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	7/22/2019	1539	15.5	6.49	689.4	682.9	7	2.65	1.9	1.375	587.3	15.7	443	ND	ND	ND	ND	ND	ND	10 J	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	10/15/2019	1624	15	3.3	689.4	686.1	6.76	1.35	-67.2	1.128	38.1	11.3	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	14 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P10	1/7/2020	1708	15	2.88	689.4	686.5	7	2.79	-94.2	1.220	36.1	7.7	20.0	ND	ND	ND	12	ND	ND	ND	ND	ND	23 J	ND	ND	8.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P11	4/13/2020	1805	15	2.46	689.4	686.9	6.52	3.55	92.1	1.374	NA	6.71	47.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	32J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P12	10/9/2020	1984	15	11.2	689.4	678.2	7.38	1.97	-68.4	1.117	NA	13.8	14.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	19J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P13	4/1/2021	2158	15	2.25	689.4	687.2	6.74	2.93	-74.7	0.655	55.3	6.05	28.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6J	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
A1-GP09-S	Monitoring event	BL1	6/22/2010	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/3/2010																												
	Monitoring event	P1	10/18/2017																												
	Monitoring event	P2	1/2/2018																												
	Monitoring event	P3	4/12/2018																												
	Monitoring event	P4	7/11/2018																												
	Monitoring event	P5	10/19/2018																												
	Monitoring event	P6	1/3/2019																												
	Monitoring event	P7	4/17/2019																												
	Monitoring event	P8	7/22/2019																												
	Monitoring event	P9	10/15/2019																												
	Monitoring event	P10	1/7/2020																												
	Monitoring event	P11	4/13/2020																												
	Monitoring event	P12	10/9/2020																												
	Monitoring event	P13	4/1/2021																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																		Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP10-S	Monitoring event	BL1	6/21/2010	-1779	15	2.7	689.1	686.4	6.57	5.08	1.9	1.171	473	17.45	NS	55,000	1400 J	84	43,000	1,300 J	77	ND	96	2.6 J	ND	ND	0.87 J	ND	7.3	0.46 J	ND	1.2 J	2 J	ND	17	ND	1.2 J	8	1.3 J	92	41	16	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/3/2010	-1736	15	3.8	689.1	685.3	6.64	2.61	-58.6	1.036	115.7	20.32	NS	84,000	1,900 J	ND	48,000	2,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	BL3	11/5/2014	-181	15	4.3	689.1	684.8	6.9	2.15	-68.2	1.007	NA	12.65	NS	Not Sampled For These Parameters																											9,800	NS	NS	91	ND	0.042	0.63	8.3	NS	ND	ND	0.033	27.4	3	388	0.17	0.8	NS	NS	NS	NS	NS		NS	Not Sampled For These Parameters			
	Monitoring event	BL4	3/11/2015	-55	15	1.8	689.1	687.3	6.87	1.84	-49.8	1.096	32	7.56	2.7	1,500	85	1.2 J	440	65	1.6 J	ND	ND	ND	ND	ND	ND	3	ND	ND	7.4	ND	ND	ND	4.2 J	ND	ND	ND	ND	6.6	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	P1	6/12/2015	38	NS (Grab Sample)										NS	28,000	790	ND	15,000	1,000	40 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P2	7/27/2015	83	15	2.29	689.1	686.8	6.33	4.31	13.4	3.454	22.6	15.9	1570	12,000	430	ND	2,900	1,600	9.6 J	ND	380	ND	950	ND	ND	ND	16 J	ND	45	ND	ND	ND	20 J	ND	ND	ND	ND	36	ND	ND	39,000	ND	ND	91	ND	22	2.3	ND	ND	ND	0.044	0.039	4,400	>3,531.33	2650	2.3	4.6	1270	15.2	ND	131	1,510		ND	Not Sampled For These Parameters			
	Monitoring event	P3	1/7/2016	247	15	1.85	689.1	687.3	7.12	5.28	-50.8	1.330	22.1	9.97	37.7 B	4,900	290	ND	4,300	470	ND	ND	ND	ND	ND	ND	ND	520	ND	ND	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,600	ND	ND	2,000	ND	2.4	6.6	5.2 J	ND	ND	0.14	0.082	258	154	734 B	ND	6.6	NS	NS	NS	NS	NS		NS	Not Sampled For These Parameters			
	Monitoring event	P4	4/8/2016	339	15	1.05	689.1	688.1	7.01	3.54	-42.2	0.979	20.0	7.43	35	1,700	180	ND	4,800	220	ND	ND	ND	ND	ND	ND	ND	640	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,000	ND	ND	860	ND	2.1	7.4	ND	ND	ND	0.061	ND	442	150	557	0.29 HF	7.7	NS	NS	NS	NS	NS		NS	Not Sampled For These Parameters			
	Monitoring event	P5	7/11/2016	433	15	3.65	689.1	685.5	6.75	7.22	-33.6	1.791	22.6	19.36	303	6,600	140	ND	29,000	500	72	ND	ND	ND	ND	ND	ND	6,700	ND	ND	270	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180,000	ND	ND	150	ND	1.6 B	4.1	0.66 J	ND	ND	0.034	ND	761	NS	1040	0.35 HF	4.4	NS	NS	NS	NS	NS		NS	Not Sampled For These Parameters			
	Monitoring event	P6	10/7/2016	521	15	2.1	689.1	687.0	6.93	5.01	160	1.556	7.12	17.47	96.7	360	ND	ND	7,200	190 J	47 J	ND	ND	ND	ND	ND	ND	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120,000	ND	ND	620	ND	1.4 B	6	24.8	ND	ND	0.18	0.082	265	>82.08 b	592	ND	6	ND	ND	ND	ND	ND		ND	Not Sampled For These Parameters			
	Monitoring event	P7	1/23/2017	629	15	1.75	689.1	687.4	7.82	13.49	-62.2	0.493	10	11.09	39.9	ND	ND	ND	580	ND	ND	ND	ND	ND	ND	ND	ND	4,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74,000	ND	ND	ND	0.044 J	1.5	2.6	11.5	ND	ND	0.036	ND	252	111 H b	468	ND	2.6	ND	ND	ND	ND	ND		ND	Not Sampled For These Parameters			
	Monitoring event	P8	4/10/2017	706	15	0.81	689.1	688.3	7.01	6.12	-26.1	0.653	6.2	14.5	48.9	240	110 J	ND	4,100	45 J	ND	ND	ND	ND	ND	ND	ND	32,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	690	ND	81,000	ND	ND	2,200	ND	1.3	4.7	ND	ND	ND	0.074	ND	239	22.9 B	470	ND	4.7	ND	ND	ND	ND	ND		ND	Not Sampled For These Parameters			
	Monitoring event	P9	7/6/2017	793	15	2.65	689.1	686.5	6.66	3.67	-79	1.520	11.3	15.7	185	2,400	ND	ND	9,600	380	ND	ND	ND	ND	ND	ND	ND	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	ND	ND	530	ND	1.3	ND	ND	ND	ND	0.077	ND	218	ND	676	ND	6.2	ND	ND	ND	ND	ND		ND	Not Sampled For These Parameters			
	Monitoring event	P10	10/17/2017	896	15	2.1	689.1	687.0	6.95	5.1	-219.6	0.740	2.55	14.1	7.1	23	6.0	ND	240	4.0	1.4	ND	ND	ND	7.3	ND	ND	320	ND	ND	0.51	ND	0.2	ND	ND	ND	ND	0.77	0.74	0.47	45	1.2	110	ND	ND	1,100	ND	0.29	0.86	29.7	ND	ND	0.045	ND	50.7	40.8	400	ND	0.86	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P11	1/4/2018	975	15	2.16	689.1	686.9	9.6	5.42	-124.5	0.459	NA	9.75	16.5	44 J	30 J	ND	600	ND	11 J	ND	ND	ND	ND	ND	ND	3,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	85	ND	52,000	ND	ND	2,300	ND	0.60	3.3	12.7	ND	ND	0.39	0.62	275	13.6	432	ND	3.3	25.0	NS	NS	NS	15.3	NS	NS	Not Sampled For These Parameters			

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP10-S	Monitoring event	P12	4/10/2018	1071	15	1.64	689.1	687.5	6.8	5.64	-53.6	0.808	NA	7.36	5.9 B	140	55	ND	3,900	19 J	18 J	ND	ND	ND	ND	ND	ND	9,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	ND	80,000	ND	ND	4,900	ND	0.88	3.5	7.7	ND	ND	0.10	ND	503 B	7.5 b	432 B	ND	3.5	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P13	7/9/2018	1161	15	2.7	689.1	686.4	6.76	2.09	-49.5	1.178	40.3	17.96	87.3	530	ND	ND	8,100	51 J	77 J	ND	ND	ND	ND	ND	ND	30,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	320	ND	98,000	ND	ND	1,600	ND	0.96	1.7	ND	ND	ND	0.0098	ND	304 B	NS	642 B	0.098 J	1.8	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P14	10/19/2018	1263	15	2.45	689.1	686.7	6.81	3.08	-19.5	0.955	8.02	15.9	18.9	640	ND	ND	1,200	ND	ND	ND	ND	ND	ND	ND	ND	3,700	ND	ND	ND	ND	ND	74 J	ND	ND	ND	ND	ND	ND	ND	ND	95,000	ND	ND	520	ND	0.80 B	5.6	23.6	ND	ND	0.0073 JB	ND	115	57.6	417	ND	5.6	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P15	1/4/2019	1340	15	2.65	689.1	686.5	9.6	5.42	-124.5	0.459	17.7	9.75	12.7	200	130	ND	4,400	91 J	ND	ND	ND	ND	ND	ND	ND	8,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	ND	120,000	ND	ND	4,800	ND	0.71	5.0	2.1 J	ND	ND	0.42	0.20	48.2	34.2 Hb	397 B	ND	5.0	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P16	4/15/2019	1441	15	1.83	689.1	687.3	6.29	5.29	154.8	0.712	11.45	7.7	33	ND	ND	ND	1,200	ND	ND	ND	ND	ND	ND	ND	ND	9,300 F	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72,000	ND	ND	5,300	ND	0.51 B	1.7	6.1	ND	ND	NS	ND	NS	NS	334	ND	1.7 B	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P17	7/22/2019	1539	15	2.12	689.1	687.0	6.12	3.17	-26.3	2.030	774.86	15.9	350	900	ND	ND	14,000	130 J	78 J	ND	ND	ND	ND	ND	ND	26,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	310,000	ND	ND	740	0.020 J	1.7 B	13.6	ND	ND	ND	ND	ND	ND	ND	895	ND	13.6	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P18	10/14/2019	1623	15	1.68	689.1	687.4	6.02	3.11	28.4	1.648	20.17	13.7	529	780	ND	ND	17,000	310 J	ND	ND	ND	ND	ND	ND	ND	47000 E	ND	ND	ND	ND	ND	ND	ND	ND F1*	ND	ND	ND	ND	ND	ND	340,000	ND	ND	2,600	0.026 J	1.6 B	34.3	ND	ND	0.049 J	NS	0.041 F1	NS	NS	749	0.096 J HF	34.4	NS	NS	NS	NS	NS	149.0	NS	Not Sampled For These Parameters			
	Monitoring event	P19	1/7/2020	1708	15	1.09	689.1	688.0	6.65	3.42	-13.5	1.770	57	9.4	307	730 J	ND	ND	20,000	480 J	ND	ND	ND	ND	ND	ND	ND	24,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	240,000	ND	ND	5,000	ND	2.90	9.8	ND	ND	ND	NS	ND	NS	NS	635	ND HF	9.8	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P20	4/13/2020	1805	15	1.25	689.1	687.9	6.92	10.5	143.6	1.748	26	8.16	180	5,100	250	ND	15,000	400	44J	ND	ND	ND	ND	ND	ND	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120,000	ND	ND	4,500	0.034J	2.80	3.7	ND	ND	ND	NS	0.0092J	NS	NS	742	ND HF	3.7	NS	NS	NS	NS	NS	146.0	NS	Not Sampled For These Parameters			
	Monitoring event	P21	10/13/2020	1988	15	3.38	689.1	685.72	6.27	2.31	232.2	1.220	25.3	15	284	1,300	110J	ND	15,000	270	ND	ND	ND	ND	ND	ND	ND	22,000	ND	ND	170J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130,000	ND	ND	200	ND	1.80	4.1	8.5J	ND	ND	NS	0.038B	NS	NS	774	ND HF	41.0	NS	NS	NS	NS	NS	122.0	NS				
	Monitoring event	P22	4/1/2021	2158	15	1.51	689.1	687.6	6.65	8.7	-36.9	0.846	16	7.73	71.1	2,200	490	ND	3,700	200	ND	ND	ND	ND	ND	ND	ND	8,600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	93,000	ND	ND	7,600	0.12	2.4B	4.9	ND	ND	ND	NS	0.045	NS	NS	600	ND HF	4.9	NS	NS	NS	NS	NS	165.0	NS	Not Sampled For These Parameters			

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP14-S	Monitoring event	BL1	6/21/2010	-1779	15	2.56	689.4	686.9	5.59	1.3	-59.5	1.040	24	17.4	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	4 J	ND	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/3/2010	-1736	15	3.08	689.4	686.4	6.95	0.78	-125	1.377	91.1	22.05	NS	ND	ND	ND	1 J	ND	ND	ND	ND	ND	5.2 J	5.5	ND	0.62 J	ND	0.74 J	0.88 J	ND	ND	ND	ND	ND	ND	ND	6.2	ND	11	ND																												
	Monitoring event	P1	10/17/2017	896	15	2.61	689.4	686.8	7.26	1.35	-229	0.900	32.0	16.4	6.3 B	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	3.2	0.53 J	ND	ND	ND	ND	ND	ND	0.87 J	0.70 J	ND	7.9	ND																												
	Monitoring event	P2	1/4/2018	975	15	2.95	689.4	686.5	10.01	9.11	-148.9	0.464	>1000	9.11	4.8 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	150	1.5	0.26 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9	ND																												
	Monitoring event	P3	4/10/2018	1071	15		689.4	689.4	NA	NA	NA	NA	NA	NA	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P4	7/9/2018	1161	15	3.3	689.4	686.1	7.33	3.44	-106	0.793	24.4	19.99	4.9 B	ND	ND	ND	0.46 J	ND	ND	ND	1.4 J	ND	12	0.69 J	ND	0.90 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND																												
	Monitoring event	P5	10/23/2018	1267	15	1.0	689.4	688.4	7.67	1.38	52.8	0.537	60.7	17.00	5.1	ND	ND	ND	0.44 J	ND	ND	ND	ND	ND	12	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J	ND	ND	ND	ND	ND	0.92 J	ND																												
	Monitoring event	P6	1/2/2019	1338	15	0.9	689.4	688.5	7.84	2.85	-47.4	0.293	78.4	9.3	1.9	ND	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P7	4/15/2019	1441	15	1.63	689.4	687.8	5.27	4.6	217.9	0.704	28.21	7.70	2.7	ND	ND	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND																												
	Monitoring event	P8	7/23/2019	1540	15	2.83	689.4	686.6	8.54	3.86	129.8	0.754	827.4	18.10	3.6	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	0.69 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	ND																												
	Monitoring event	P9	10/15/2019	1624	15	2.7	689.4	686.7	7.25	0.96	-65.1	0.726	27.69	13.90	5.6	ND	ND	ND	0.95 J	ND	ND	ND	ND	ND	6.7 J	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4	ND																												
	Monitoring event	P10	1/7/2020	1708	15	2.3	689.4	687.1	7.4	1.95	49.1	0.310	14.6	7.8	4.9	ND	ND	ND	1	ND	ND	ND	ND	ND	3.6 J	0.99J	ND	0.91 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3	ND																												
	Monitoring event	P11	4/13/2020	1805	15	1.77	689.4	687.6	7.31	7.64	6.6	0.549	39.9	10.12	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P12	10/8/2020	1983	15	2.68	689.4	686.7	7.77	1.06	-71.1	0.629	20.2	17.2	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4J	1.9J	ND	0.74J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8J	ND																												
	Monitoring event	P13	4/1/2021	2158	15	1.81	689.4	687.6	7.16	9.03	-52.1	0.336	30.9	9.08	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4J	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	2.4	ND	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP15-S	Monitoring event	BL1	6/17/2010	-1783	15	0.54	687.7	687.2	6.88	3.94	1.1	0.657	18.5	12.9	NS	ND	ND	ND	ND	ND	ND	ND	ND	9.3 J	23 J	ND	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	BL3	8/2/2010	-1737	15	4.2	687.7	683.5	6.97	1.71	-21	0.725	6.1	20.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	BL4	3/11/2015	-55	15	1.2	687.7	686.5	6.85	1.4	42	0.801	59.8	6.37	2.2	Not Sampled For These Parameters																																																									
	Monitoring event	P1	7/29/2015	85	15	3.2	687.7	684.5	7.61	5.79	42.1	0.725	50.2	22	3.6 B	3	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND																												
	Monitoring event	P2	4/8/2016	339	15	0.1	687.7	687.6	7.14	6.13	3.5	0.647	99	8.46	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P3	7/11/2016	433	15	6.11	687.7	681.6	7.3	5.96	14.2	0.730	53	18.7	3.4	0.99 J	ND	ND	4.5	ND	ND	ND	ND	ND	4.0 J	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P4	10/7/2016	521	15	11	687.7	676.7	7.52	3.2	139	0.675	86.7	15.5	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P5	1/23/2017	629	15	NA	687.7	NA	6.66	1.49	75.2	0.687	50	9.6	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P6	4/12/2017	708	15	0.35	687.7	687.3	7.48	11.4	50.6	0.494	47.6	11.4	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P7	7/6/2017	793	15	4.35	687.7	683.3	7.64	5.77	-61	0.660	17.2	17.5	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P8	10/17/2017	896	15	6.4	687.7	681.3	7.5	3.95	-220	0.710	21.8	13.3	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P9	1/2/2018	973	15	NA	687.7	NA	Not Sampled (well could not be located under snow)																																																															
	Monitoring event	P10	4/10/2018	1071	15	2.3	687.7	685.4	7.2	15.6	51.8	0.318	NA	7.77	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P11	7/9/2018	1161	15	4.25	687.7	683.4	7.15	0.8	-92.8	0.702	12.8	15.6	2.3	ND	ND	ND	0.42 J	ND	ND	ND	ND	ND	5.0 J	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P12	10/22/2018	1266	15	8.66	687.7	679.0	7.62	0.52	-30	0.572	38.2	15.4	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P13	1/2/2019	1338	15	0.6	687.7	687.1	7.13	0.49	-13	0.430	9.1	8.0	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P14	4/15/2019	1441	15	0.7	687.7	687.0	6.82	8.16	131	0.561	61.2	7.6	7.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P15	7/25/2019	1542	15	4.0	687.7	683.7	7.5	4.88	142.2	0.683	854	16.1	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P16	10/14/2019	1623	15	5.0	687.7	682.7	7.06	5.32	36.8	0.495	70.3	13.7	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P17	1/7/2020	1708	15	1.19	687.7	686.5	7.5	6.75	50.7	0.682	11	7.6	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
A1-GP15-S	Monitoring event	P18	4/13/2020	1805	15	0.67	687.7	687.0	6.89	2.51	154	0.670	NA	7.61	3.6
	Monitoring event	P19	10/8/2020	1983	15	11.3	687.7	676.4	7.02	5.37	10.4	0.568	24.4	13.9	3.2
	Monitoring event	P20	4/1/2021	2158	15	0.2	687.7	687.5	7.44	5.4	40.4	0.328	19.4	4.94	3.0

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
A1-GP15-S	Monitoring event	P18	4/13/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P19	10/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P20	4/1/2021	ND	ND	ND	0.52J	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
A1-GP15-S	Monitoring event	P18	4/13/2020	Not Sampled For These Parameters																											
	Monitoring event	P19	10/8/2020																												
	Monitoring event	P20	4/1/2021																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
A1-GP16-S	Monitoring event	BL1	6/17/2010	-1783	15	3.0	689.9	686.9	6.58	6.63	-39.4	1.003	125	12.84	NS
	Monitoring event	BL2	8/2/2010	-1737	15	5.55	689.9	684.3	6.69	0.97	-52.2	1.159	28.2	20.52	NS
	Monitoring event	P1	10/17/2017	896	15	4.17	689.9	685.7	7.11	0.29	-301.5	0.880	14.3	12.8	11.7 B
	Monitoring event	P2	1/2/2018	973	15	NA	689.9	NA	Not Sampled (well had ice frozen in stick up)						
	Monitoring event	P3	4/9/2018	1070	15	NA	689.9	NA	NA	NA	NA	NA	NA	NA	17.2 B
	Monitoring event	P4	7/10/2018	1162	15	6.35	689.9	683.5	7.25	0.97	-145.7	1.101	48.2	16.08	9.8
	Monitoring event	P5	10/2/2018	1246	14.28	4.37	689.9	685.5	7.09	1.24	-5.6	0.877	136	13.8	10.2
	Monitoring event	P6	1/3/2019	1339	15	2.8	689.9	687.1	7.22	0.06	-28.2	0.800	8.2	6.8	15.7
	Monitoring event	P7	4/17/2019	1443	14.28	2.81	689.9	687.1	7.42	3.06	-42.8	0.818	36.83	6.6	19.8
	Monitoring event	P8	7/26/2019	1543	14.28	6.04	689.9	683.8	7.68	9.03	44.1	0.978	948.3	9.3	ND
	Monitoring event	P9	10/15/2019	1624	15	3.7	689.9	686.2	6.86	0.18	44.5	0.732	42.1	13.4	26.3
	Monitoring event	P10	1/7/2020	1708	15	2.74	689.9	687.1	6.96	0.6	-42.9	0.960	9.11	5.9	24.3
	Monitoring event	P11	4/15/2020	1807	15	2.79	689.9	687.1	6.72	1.18	75	1.049	28.4	6.44	28.8
	Monitoring event	P12	10/8/2020	1983	15	5.0	689.9	684.9	7.0	0.88	-66.7	0.806	44.2	13.1	10.9
	Monitoring event	P13	4/1/2021	2158	15	2.77	689.9	687.1	7.5	2.8	36.5	0.476	5.21	5.42	21.3

Well ID	Event / Description		VOCs (ug/L)																										
			1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
A1-GP16-S	Monitoring event	BL1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	BL2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69	ND	ND	ND	ND	ND	ND	ND	ND	ND	5 J	ND
	Monitoring event	P1	ND	ND	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	1.4	ND
	Monitoring event	P2																											
	Monitoring event	P3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	ND	ND	ND	0.38 J	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	ND
	Monitoring event	P5	ND	ND	ND	ND	ND	ND	ND	ND	ND	11 J	ND	ND	ND	ND	ND	11	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2J	ND	ND	ND	ND
	Monitoring event	P12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Dissolved Gasses (ug/L)				Wet Chemistry (mg/L)																				Q Potential (DNA) (cells / mL)			
																											Dechlorinating Bacteria	Functional Genes		
			Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
A1-GP16-S	Monitoring event	BL1	Not Sampled For These Parameters																											
	Monitoring event	BL2																												
	Monitoring event	P1																												
	Monitoring event	P2																												
	Monitoring event	P3																												
	Monitoring event	P4																												
	Monitoring event	P5																												
	Monitoring event	P6																												
	Monitoring event	P7																												
	Monitoring event	P8																												
	Monitoring event	P9																												
	Monitoring event	P10																												
	Monitoring event	P11																												
	Monitoring event	P12																												
	Monitoring event	P13																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
A1-GP18-S	Monitoring event	BL1	6/18/2010	-1782	18	4.12	690.4	686.3	6.95	6.28	36.3	0.737	30	13.31	NS
	Monitoring event	BL2	8/2/2010	-1737	15	5.25	690.4	685.1	7.12	3.36	-66.8	0.677	5.1	16.29	NS
	Monitoring event	BL3	11/5/2014	-181	18	4.5	690.4	685.9	7.3	3.11	-69.7	0.587	NS	12.36	NS
	Monitoring event	BL4	3/11/2015	-55	18	5.25	690.4	685.1	7.38	1.93	50	0.699	11	8.35	1
	Monitoring event	P1	7/27/2015	83	18	5.35	690.4	685.0	6.08	0.89	-40.5	3.265	22.9	14.3	829 B
	Monitoring event	P2	1/7/2016	247	18	4.65	690.4	685.7	7.01	NA	-48.2	1.726	NA	8.24	178
	Monitoring event	P3	4/8/2016	339	18	3.2	690.4	687.2	6.94	1.41	-94.3	1.186	893	7.65	89.1
	Monitoring event	P4	7/8/2016	430	18	7.1	690.4	683.3	NA	1.47	-5.2	1.059	>1000	14.21	20.5
	Monitoring event	P5	10/7/2016	521	18	9.1	690.4	681.3	7.05	6.46	46.1	1.414	69	16.75	8.9
	Monitoring event	P6	1/23/2017	629	18	NA	690.4	NA	7.14	0.45	-117.3	0.758	50	10.38	5.1
	Monitoring event	P7	4/10/2017	706	18	3.72	690.4	686.7	7.04	NA	-70.1	0.763	333	6.5	4.9
	Monitoring event	P8	7/6/2017	793	18	5.95	690.4	684.4	7.21	0.51	-148	0.790	3308	15.1	4.8
	Monitoring event	P9	10/16/2017	895	18	6.9	690.4	683.5	7.09	3.02	-299	0.900	1474	13.4	3.5
	Monitoring event	P10	1/5/2018	976	18	NA	690.4	NA	NA	1.2	-149.9	0.580	72.6	9.26	72.4
	Monitoring event	P11	4/9/2018	1070	18	3.5	690.4	686.9	7.16	19.7	-80.4	0.481	NA	8.12	3.8

Well ID	Event / Description		Date	Elapsed Time (Days)	VOCs																										
					1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
					(ug/L)																										
A1-GP18-S	Monitoring event	BL1	6/18/2010	-1782	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	BL2	8/2/2010	-1737	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	BL3	11/5/2014	-181	Not Sampled For These Parameters																										
	Monitoring event	BL4	3/11/2015	-55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P1	7/27/2015	83	ND	ND	ND	ND	ND	ND	ND	130	ND	140	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P2	1/7/2016	247	ND	ND	ND	ND	ND	ND	ND	50	ND	16 J	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P3	4/8/2016	339	ND	ND	ND	ND	ND	ND	ND	36	ND	18 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	7/8/2016	430	ND	ND	ND	ND	ND	ND	ND	20	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P5	10/7/2016	521	ND	ND	ND	ND	ND	ND	ND	4.2 J	ND	5.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P6	1/23/2017	629	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	4/10/2017	706	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	7/6/2017	793	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	10/16/2017	895	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P10	1/5/2018	976	44	84	1.6 J	400	3.7 J	2.1 J	ND	16 J	ND	22 J	ND	ND	ND	ND	1,300	8.2	ND	ND	ND	ND	ND	ND	3.2 J	ND	2.4 J	22	ND
	Monitoring event	P11	4/9/2018	1070	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Elapsed Time (Days)	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																													Dechlorinating Bacteria	Functional Genes		
					Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(ug/L)				(mg/L)																				(cells / mL)			
A1-GP18-S	Monitoring event	BL1	6/18/2010	-1782	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/2/2010	-1737																												
	Monitoring event	BL3	11/5/2014	-181	8,200	ND	ND	260	ND	2.3	121	27.8	NS	ND	0.65	0.18 B	ND	ND	359 B	ND HF	121	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	BL4	3/11/2015	-55	Not Sampled For These Parameters																											
	Monitoring event	P1	7/27/2015	83	17,000	ND	ND	520	ND	0.83	17.8	ND	NS	ND	1.2	0.24	2440	1140	1100	2.1	19.9	329	NS	NS	111	446	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P2	1/7/2016	247	6,100	ND	ND	1,800	ND	0.23	2	ND	ND	ND	0.5	0.16	596	ND	775 B	ND	2	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P3	4/8/2016	339	6,700	ND	ND	1,100	ND	0.76	34	ND	ND	ND	0.41	ND	147	101 H	660	ND	34	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P4	7/8/2016	430	69,000	ND	ND	910	ND	0.39 B	19.3	ND	ND	ND	2.0 B	0.05	41.7 B	14.2 b	489	0.12 H F	19.4	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P5	10/7/2016	521	80,000	ND	ND	2,400	ND	0.73 B	32.7	1.8 J	2.8	ND	1.7	0.1	54.7	5.8 B	442	ND	32.7	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P6	1/23/2017	629	53,000	ND	ND	1,000	ND	0.63	8.2	21.3	ND	ND	0.72	0.015 J	6.5 JF1	54.7 H b	415	ND	8.2	NS	NS	NS	NS	NS	NS	ND	Not Sampled For These Parameters			
	Monitoring event	P7	4/10/2017	706	68,000	ND	ND	1,900	ND	0.65	8.1	16.4	ND	ND	0.5	ND	ND	5.1	435	ND	8.1	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P8	7/6/2017	793	71,000	ND	ND	350	ND	0.42	7.5	7.3	ND	ND	0.45	0.078	10.8	5.7	451	ND	7.5	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P9	10/16/2017	895	73,000	ND	ND	3,900	ND	0.32	4.9	6.9	ND	ND	0.14	0.073	ND	2.3	513	ND	4.9	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P10	1/5/2018	976	52,000	ND	ND	14,000	ND	2.2	99.8	32.1	ND	ND	3.2	0.1 F1	5.7 J B	5.7	415	ND	99.8	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P11	4/9/2018	1070	59,000	ND	ND	3,600	ND	0.54	7.9	34.7	ND	ND	0.18	ND	20.2	4.9 b	377	ND	7.9	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
A1-GP18-S	Monitoring event	P12	7/9/2018	1161	18	5.97	690.4	684.4	6.92	0.69	-191.7	0.873	1230	13.0	4.8 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	ND	ND	11,000	ND	0.38 B	3.6	1.8 J	ND	ND	0.16	0.15	28.3 B	3.6 b	450 B	ND	3.6	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P13	10/19/2018	1263	18	7.4	690.4	683.0	7.25	0.7	-35.2	0.661	NA	13.8	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND	ND	47,000	ND	ND	7,000	ND	2.8 B	120	23.6	ND	ND	4.4	0.16	92.1	ND	415	ND	120	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P14	1/4/2019	1340	18	3.62	690.4	686.8	7.26	2.73	-82.4	0.750	101.4	8.5	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48,000 B	ND	ND	4,100	ND	0.55	13.1	29.4	ND	ND	0.15	0.018 J	23.1	3.6	310 B	ND	13.1	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P15	4/15/2019	1441	18	3.3	690.4	687.1	7.76	4.86	115.6	0.701	-71.8	7.5	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5 J	ND	ND	ND	ND	ND	ND	ND	ND	0.65 J	0.55 J	ND	ND	0.58 J	ND	ND	ND	ND	62,000	ND	ND	4,100	ND	0.52 B	11.5	32.5	ND	ND	NS	0.014 J	NS	NS	282	0.075 J	11.6 B	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P16	7/22/2019	1539	18	5.5	690.4	684.9	7.36	2.8	-10.2	0.765	0.0	12.81	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53,000	ND	ND	6,200	0.027 JH	0.25 B	ND	22.4	ND	ND	ND	0.14	ND	ND	ND	7.0	ND	NS	NS	NS	NS	NS	24.4	NS	Not Sampled For These Parameters			
	Monitoring event	P17	10/14/2019	1623	18	4.48	690.4	685.9	6.88	0.77	-13.9	0.936	461.6	12.0	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	81,000	ND	ND	6,000	ND	0.41 B	4.6	54.3	ND	ND	NS	0.049	NS	NS	409 B	ND HF	4.6	NS	NS	NS	NS	NS	ND	NS	Not Sampled For These Parameters			
	Monitoring event	P18	1/7/2020	1708	18	3.33	690.4	687.0	6.99	2.15	-48.2	0.760	76.5	7.8	6.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110,000	ND	ND	3,400	ND	0.71	6.1	18.1	ND	ND	NS	0.037	NS	NS	366	ND HF	6.1	NS	NS	NS	NS	NS	14.3	NS	Not Sampled For These Parameters			
	Monitoring event	P19	4/13/2020	1805	18	3.15	690.4	687.3	6.61	1.24	131.3	0.761	2057.0	7.77	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71,000	ND	ND	5,800	0.020J	0.87	8.4	17.8	ND	ND	NS	0.053	NS	NS	450	0.37 HF	8.8	NS	NS	NS	NS	NS	16.6	NS	Not Sampled For These Parameters			
	Monitoring event	P20	10/8/2020	1983	18	7.62	690.4	682.8	6.64	1.35	-94.6	0.638	551	12.6	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61,000	ND	ND	9,100	ND	0.27	7.1	23.7	ND	ND	NS	0.15B	NS	NS	495	ND HF	NS	7.1	NS	NS	NS	NS	22.5	NS	Not Sampled For These Parameters			
	Monitoring event	P21	4/1/2021	2158	18	4.15	690.4	686.3	6.97	2.74	-54.6	0.501	90.0	5.99	3.8	ND	ND	ND	ND	ND	ND	ND	2.9J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70,000	ND	ND	20,000	0.45	0.84B	15.7	62.1	ND	ND	NS	0.081	NS	NS	454	0.33 HF	16.0	NS	NS	NS	NS	NS	33.3	NS	Not Sampled For These Parameters			

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																		Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-30	Monitoring event	BL1	6/18/2010	-1782	18.9	3.09	689.7	686.6	7.08	3.16	-91	0.922	16.4	17.8	NS	ND	ND	ND	2.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	4.9J	ND	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/3/2010	-1736	18.85	3.9	689.7	685.8	7.7	1.0	-123	0.917	2.22	19.27	NS	ND	ND	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	5.9	ND																												
	Monitoring event	P1	7/29/2015	85	18.85	3.95	689.7	685.7	7.34	0.39	-120	0.846	1.49	18.73	3.7	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND	1.1	1.4	ND																												
	Monitoring event	P2	4/8/2016	339	18.9	2.95	689.7	686.7	7.47	0.27	-72	0.626	10.9	10.4	2.5 B	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND																												
	Monitoring event	P3	7/14/2016	436	18.9	10.9	689.7	678.8	7.37	0.09	-123	0.734	5.59	17.6	3.4	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND																												
	Monitoring event	P4	10/11/2016	525	18.85	10.4	689.7	679.3	7.50	0.56	-112	0.829	5.34	18.11	3.3	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	0.56 J	1.3	ND																												
	Monitoring event	P5	1/25/2017	631	18.9	3.96	689.7	685.7	7.41	0.45	-59	0.785	11.5	11.7	3.2	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND																												
	Monitoring event	P6	4/12/2017	708	18.85	12.35	689.7	677.3	7.43	0.26	-114	0.759	14.6	11.2	2.9	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND																												
	Monitoring event	P7	7/7/2017	794	18.85	4.1	689.7	685.6	7.56	0.18	-102	0.730	1.82	17.4	1.6	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	ND																												
	Monitoring event	P8	10/19/2017	898	18.85	4.86	689.7	684.8	7.45	0.26	-310	0.930	2.18	17.4	3.1	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND																												
	Monitoring event	P9	1/2/2018	973	18.9	3.47	689.7	686.2	7.57	1.96	-33	0.346	NA	7.6	2.2	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND																												
	Monitoring event	P10	4/11/2018	1072	18.9	3.11	689.7	686.6	7.32	0.3	-98	0.187	NA	10.9	2.2 B	ND	ND	ND	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.95	ND																												
	Monitoring event	P11	7/11/2018	1163	18.9	4.35	689.7	685.3	7.18	0.3	-72.1	0.289	8.37	17.1	2.9 B	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	7.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P12	10/23/2018	1267	20	17	689.7	672.7	7.09	0.27	-82	0.450	3.34	15.7	2.4	ND	ND	ND	1.2	ND	ND	ND	ND	ND	3.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND																												
	Monitoring event	P13	1/8/2019	1344	18.85	5.29	689.7	684.4	7.49	0.31	-134	0.720	13.6	11.7	2.8	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P14	4/18/2019	1444	20	15.65	689.7	674.0	7.68	2.10	-123	0.679	14.73	15.3	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P15	7/26/2019	1543	20	15.65	689.7	674.0	7.37	0.4	-116	0.626	271	17.1	1.9	ND	ND	ND	0.42 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND																												
	Monitoring event	P16	10/17/2019	1626	20	1.47	689.7	688.2	7.40	3.19	5.4	0.297	4.94	15.4	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	0.40 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P17	1/8/2020	1709	20	2.89	689.7	686.8	7.25	0.32	40.8	0.750	12.7	10.8	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.78 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-30	Monitoring event	P18	4/15/2020	1807	20	2.69	689.7	687.0	6.97	1.06	57.5	0.534	13.1	10.4	2.2
	Monitoring event	P19	10/7/2020	1982	20	4.77	689.7	684.9	7.41	0.29	-130	0.551	4	17.6	3.2
	Monitoring event	P20	4/5/2021	2162	20	3.14	689.7	686.6	7.32	1.18	-36.3	0.136	7.17	12.2	2.7

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
MW-30	Monitoring event	P18	4/15/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P19	10/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6J	ND	ND	0.91J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND
	Monitoring event	P20	4/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
MW-30	Monitoring event	P18	4/15/2020	Not Sampled For These Parameters																											
	Monitoring event	P19	10/7/2020																												
	Monitoring event	P20	4/5/2021																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																		Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-35S	Monitoring event	BL1	6/17/2010	-1783	14.5	1.58	688.6	687.0	6.49	9.72	146	0.955	1.6	13.2	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/2/2010	-1737	14.5	5.71	688.6	682.9	6.33	1.38	-3.9	0.955	0.89	17.6	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	BL3	3/11/2015	-55	15	3.6	688.6	685.0	7.07	3.9	82.4	0.873	5.65	7.03	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P1	7/28/2015	84	15	4.95	688.6	683.6	7.15	4.43	106	0.865	2.51	17.3	2 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P2	4/8/2016	339	15	0.56	688.6	688.0	7.3	5.51	29.2	0.540	11.2	7.4	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P3	7/13/2016	435	15	7.95	688.6	680.6	7.07	0.49	-13	0.874	5.24	16.5	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P4	10/11/2016	525	15	13.2	688.6	675.4	7.24	1.66	17.6	0.811	5.47	15.1	3	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P5	1/23/2017	629	15	1.25	688.6	687.3	7.16	6.73	32.2	0.825	2.96	8.79	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P6	4/10/2017	706	15	0.6	688.6	688.0	6.96	4.65	119	0.815	3.21	10.7	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P7	7/7/2017	794	15	6.1	688.6	682.5	7.18	3.03	-67	0.890	8.57	14.7	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P8	10/17/2017	896	15	9.5	688.6	679.1	7.15	0.35	-348	1.000	1.06	14.4	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P9	1/4/2018	975	15	0.83	688.6	687.7	8.6	7.8	-57	0.585	NA	8.63	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P10	4/9/2018	1070	15	0	688.6	688.6	7.28	4.79	37.1	0.402	NA	7.68	2.6 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P11	7/11/2018	1163	15	6.3	688.6	682.3	7.1	3.65	-7.6	0.890	4.01	14.3	1.7 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P12	10/19/2018	1263	13.9	11.6	688.6	677.0	7.10	0.74	49.8	0.800	5.29	13.9	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P13	1/7/2019	1343	15	0.7	688.6	687.9	7.21	0.33	62.6	0.900	9.6	9.7	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P14	4/17/2019	1443	13.9	0.55	688.6	688.0	7.43	5.9	53.7	0.948	11.9	8.0	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P15	7/25/2019	1542	13.87	5.69	688.6	682.9	7.26	3.13	143.8	0.936	831.7	14.1	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P16	10/17/2019	1626	15	9.35	688.6	679.2	6.99	0.43	7.0	0.868	3.95	12.3	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44,000	ND	ND	1.4 J	0.052	0.63 B	ND	112	ND	ND	NS	ND	NS	NS	348	ND	0.024 J	NS	NS	NS	NS	NS	24.5	NS	Not Sampled For These Parameters			

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-35S	Monitoring event	P17	1/8/2020	1709	15	0.52	688.6	688.0	7.06	4.88	37.3	0.716	4.77	7	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43,000	ND	ND	ND	0.11	0.096	0.31	58.6	ND	ND	NS	ND	NS	NS	325	ND	0.31	NS	NS	NS	NS	NS	18.4	NS	Not Sampled For These Parameters			
	Monitoring event	P18	4/14/2020	1806	15	0.18	688.6	688.4	6.91	4.87	101	0.807	3.19	7.2	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	P19	10/6/2020	1981	15	9.58	688.6	679.0	7.27	0.6	59.4	0.885	3.55	13.9	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P20	4/5/2021	2162	15	0.65	688.6	688.0	7.27	10.5	52.3	0.279	10.8	8.7	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-36S	Monitoring event	BL1	6/17/2010	-1783	15	2.98	689.8	686.8	6.82	13.1	135	1.227	3.31	14.4	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	2.6 J	ND	ND	ND	ND	ND	ND	ND	ND	7.2	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/3/2010	-1736	15	5.4	689.8	684.4	6.85	1.6	-85.7	1.139	2.7	16.3	NS	ND	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	ND	ND	ND	ND	ND	ND	0.58 J	ND	ND																												
	Monitoring event	BL3	3/10/2015	-56	15	3.21	689.8	686.6	6.95	2.87	215	1.064	2.43	6.03	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P1	7/29/2015	85	15	3.85	689.8	686.0	6.12	0.18	-142.1	2.958	3.81	17.43	1130 B	ND	ND	ND	0.52 J	ND	ND	28	170	ND	400	ND	2.1	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P2	4/8/2016	339	15	3.1	689.8	686.7	6.87	0.83	-107.2	1.552	1.2	8.21	76.5	ND	ND	ND	ND	ND	ND	ND	42	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P3	7/11/2016	433	15	7.54	689.8	682.2	6.86	0.45	-72	1.613	10.4	14.5	21.5	ND	ND	ND	ND	ND	ND	ND	22	ND	18	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P4	10/12/2016	526	15	5.9	689.8	683.9	5.79	0.3	-145	10.070	19.7	17.16	15.1	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P5	1/24/2017	630	15	2.9	689.8	686.9	7.05	0.2	-241	1.268	7.44	6.84	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20 J	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P6	4/12/2017	708	15	5.15	689.8	684.6	6.8	0.07	-187	1.189	4.61	7.6	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0 J	ND	0.27 J	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P7	7/6/2017	793	15	6.1	689.8	683.7	7.1	0.07	-74	1.240	4.35	16.2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P8	10/17/2017	896	15	7.5	689.8	682.3	7.09	0.16	-329	1.360	3.82	14.9	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P9	1/4/2018	975	15	3.06	689.8	686.7	9.12	1.17	-34	0.812	NA	7.52	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P10	4/9/2018	1070	15	2.81	689.8	687.0	7.16	1.16	-67	0.781	NA	7.02	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P11	7/10/2018	1162	15	6.55	689.8	683.2	7	0.57	-106	1.370	2.95	14.14	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P12	10/18/2018	1262	15	5.74	689.8	684.0	7.05	0.20	-77	1.176	11.2	13.3	17.4	ND	ND	ND	ND	ND	ND	ND	550	ND	14 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P13	1/7/2019	1343	15	6.55	689.8	683.2	7.06	0.21	-114	1.169	10.9	9.5	4.5	ND	ND	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P14	4/16/2019	1442	15	2.79	689.8	687.0	7.36	3.01	-89.2	1.307	16.3	7.1	4.5	ND	ND	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P15	7/25/2019	1542	15	6.23	689.8	683.6	7.19	1.89	-79.5	1.151	330.5	14.4	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P16	10/18/2019	1627	15	2.91	689.8	686.9	7.17	0.29	-26.5	1.144	23.2	12.7	4.3	ND	ND	ND	0.50 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-36S	Monitoring event	P17	1/8/2020	1709	15	2.83	689.8	687.0	7.04	0.33	41.4	1.290	11.5	7.4	3.7	ND	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	P18	4/16/2020	1808	15	2.86	689.8	686.9	6.93	1.53	79.3	1.247	11.1	7.41	3.7	ND	ND	ND	0.40J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P19	10/9/2020	1984	15	5.42	689.8	684.4	6.9	0.55	-98	0.999	9.74	14	7.1	ND	ND	ND	0.53J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P20	4/16/2020	1808	15	2.87	689.8	686.9	7.11	2.90	-78.2	0.619	3.25	7.24																																																									

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-42S	Monitoring event	BL1	4/7/2011	-1489	14.3	10.9	689.1	678.2	6.92	1.89	70.8	1.692	2.3	11.52	NS
	Monitoring event	BL2	3/12/2015	-54	14.3	1.8	689.1	687.3	6.94	0.91	-101.3	1.855	8.04	7.55	15.7
	Monitoring event	P1	6/12/2015	38	NA (Grab Sample)										ND
	Monitoring event	P2	7/27/2015	83	14.3	2.7	689.1	686.4	6.28	0.3	-92.7	2.521	2.85	19.35	1560
	Monitoring event	P3	4/8/2016	339	14.3	3	689.1	686.1	6.67	0.36	-111.7	1.960	7.48	9.49	620
	Monitoring event	P4	7/14/2016	436	14.3	5.38	689.1	683.7	6.47	0.27	-81.4	2.784	5.54	18.7	796
	Monitoring event	P5	10/13/2016	527	14.3	2.3	689.1	686.8	6.83	0.21	-86.4	1.358	3.76	18.7	287
	Monitoring event	P6	1/25/2017	631	14.3	3.06	689.1	686.0	6.84	0.78	-95.7	1.643	3.12	8.83	238
	Monitoring event	P7	4/12/2017	708	14.3	1.68	689.1	687.4	7.02	0.12	-115.3	1.094	4.89	9.1	136
	Monitoring event	P8	7/10/2017	797	14.3	2.1	689.1	687.0	6.8	0.21	-67.8	1.390	4.68	17.4	238
	Monitoring event	P9	10/19/2017	898	14.3	6.35	689.1	682.7	6.56	0.14	-344.2	2.660	3.77	18.8	395
	Monitoring event	P10	1/2/2018	973	14.3	3.6	689.1	685.5	7.98	2.39	-28.2	0.914	NA	5.34	162
	Monitoring event	P11	4/11/2018	1072	14.3	2.57	689.1	686.5	6.91	0.72	-78.4	1.011	NA	8.42	625
	Monitoring event	P12	7/12/2018	1164	14.3	2.95	689.1	686.1	7.13	0.17	-98.8	1.409	1.48	17.37	141 B

Well ID	Event / Description		Date	Elapsed Time (Days)	VOCs																										
					1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
					(ug/L)																										
MW-42S	Monitoring event	BL1	4/7/2011	-1489	25,000	1,700	240 J	8,550	6,100	76	11	510 J	3.5 J	400	1.9	9	100 J	4.8	ND	1,000	ND	ND	ND	11	ND	6	1,100	31	13,000	27	ND
	Monitoring event	BL2	3/12/2015	-54	19,000	14,000	240	12,000	6,300	ND	ND	ND	ND	ND	ND	ND	160 J	ND	ND	5,700	ND	ND	ND	ND	ND	ND	1,200	ND	12,000	ND	ND
	Monitoring event	P1	6/12/2015	38	3,700	1,600	100	7,600	2,300	44 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,400	ND	ND	ND	ND	ND	ND	520	ND	2,700	ND	ND
	Monitoring event	P2	7/27/2015	83	1,700	660	71 J	9,700	2,400	44 J	ND	ND	ND	ND	ND	ND	170 J	ND	ND	6,700	ND	ND	ND	ND	ND	ND	590	ND	280	ND	ND
	Monitoring event	P3	4/8/2016	339	3,600	5,000	ND	7,100	5,000	ND	ND	ND	ND	ND	ND	ND	15,000	ND	ND	13,000	ND	ND	ND	140 J	ND	ND	1,000	ND	ND	610	ND
	Monitoring event	P4	7/14/2016	436	12,000	8,300	120 J	11,000	7,800	110 J	ND	ND	ND	ND	ND	ND	10,000	ND	ND	29,000	890	ND	ND	120 J	ND	ND	2,100	ND	100 J	530	ND
	Monitoring event	P5	10/13/2016	527	440	640	ND	2,000	520	ND	ND	ND	ND	ND	ND	ND	14,000	ND	ND	2,700	ND	ND	ND	ND	ND	ND	340	ND	ND	ND	ND
	Monitoring event	P6	1/25/2017	631	1,200	1,600	ND	2,900	790	130 J	ND	ND	ND	ND	ND	ND	21,000	ND	ND	3,800	ND	ND	ND	230 J	ND	ND	1,000	ND	ND	2,400	ND
	Monitoring event	P7	4/12/2017	708	230	440	ND	1,700	220	74 J	ND	ND	ND	ND	ND	ND	10,000 F	ND	ND	1,100	ND	ND	ND	ND	ND	ND	360	ND	ND	1,400	ND
	Monitoring event	P8	7/10/2017	797	ND	1,200	ND	1,800	150	ND	ND	ND	ND	ND	ND	ND	24,000	ND	ND	690	ND	ND	ND	ND	ND	ND	1,100	ND	ND	3,600	ND
	Monitoring event	P9	10/19/2017	898	4,100	7,500	48	8,900	1,700	170	ND	ND	ND	ND	ND	1,100	19,000	ND	ND	28,000	ND	ND	ND	ND	ND	ND	1,900	280	54	12,000	ND
	Monitoring event	P10	1/2/2018	973	740	850	ND	2,500	ND	ND	ND	ND	ND	ND	ND	ND	21,000	ND	ND	1,200	ND	ND	ND	ND	ND	ND	950	ND	ND	4,700	ND
	Monitoring event	P11	4/11/2018	1072	390	740	ND	2,000	120 J	ND	ND	ND	ND	ND	ND	ND	8,400	ND	ND	1,100	ND	ND	ND	ND	ND	ND	670	ND	ND	2,800	ND
	Monitoring event	P12	7/12/2018	1164	ND	88 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15,000	ND	ND	210	ND	ND	ND	ND	ND	ND	600	ND	ND	1,400	ND

Well ID	Event / Description		Date	Elapsed Time (Days)	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																													Dechlorinating Bacteria	Functional Genes		
					Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(ug/L)				(mg/L)																				(cells / mL)			
MW-42S	Monitoring event	BL1	4/7/2011	-1489	Not Sampled For These Parameters																											
	Monitoring event	BL2	3/12/2015	-54																												
	Monitoring event	P1	6/12/2015	38																												
	Monitoring event	P2	7/27/2015	83	Not Sampled For These Parameters																								<2.5E+01	<2.5E+01	<2.5E+01	<2.5E+01
	Monitoring event	P3	4/8/2016	339	Not Sampled For These Parameters																											
	Monitoring event	P4	7/14/2016	436																												
	Monitoring event	P5	10/13/2016	527																												
	Monitoring event	P6	1/25/2017	631																												
	Monitoring event	P7	4/12/2017	708	Not Sampled For These Parameters																								3.98E+04	1.28E+04	<2.50E+01	1.04E+03
	Monitoring event	P8	7/10/2017	797	Not Sampled For These Parameters																											
	Monitoring event	P9	10/19/2017	898																												
	Monitoring event	P10	1/2/2018	973																												
	Monitoring event	P11	4/11/2018	1072	Not Sampled For These Parameters																								4.04E+04	4.29E+04	3.33E+01	3.56E+03
	Monitoring event	P12	7/12/2018	1164	Not Sampled For These Parameters																											

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																										
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																										
MW-42S	Monitoring event	P13	10/23/2018	1267	14.3	5.95	689.1	683.1	6.37	0.34	-32.4	1.410	3.8	16.9	231	ND	1,000	ND	1,100 F1	130 J	110 J	ND	ND	ND	ND	ND	ND	16,000	ND	ND	ND	ND	ND	ND	600	ND	ND	1,000	ND	ND	910	ND
	Monitoring event	P14	1/8/2019	1344	14.3	6.35	689.1	682.7	6.71	0.36	-117.9	2.530	12.9	12.6	258	490	2,200	ND	2,400	ND	160 J	ND	ND	ND	ND	ND	ND	25,000	ND	ND	850	ND	ND	ND	ND	ND	ND	1,700	ND	ND	6,700	ND
	Monitoring event	P15	4/18/2019	1444	14.3	1.14	689.1	687.9	7.47	2.47	-125.2	1.086	13.41	10.6	63.6	ND	390 J	ND	1,600	ND	ND	ND	ND	ND	ND	ND	ND	8,000	ND	ND	ND	ND	ND	ND	210 J	ND	ND	370 J	ND	ND	940	ND
	Monitoring event	P16	7/26/2019	1543	14.3	1.68	689.1	687.4	6.06	1.57	-65.35	2.195	-30.66	19.5	737	ND	240 J	ND	4,400	140 J	ND	ND	ND	ND	ND	ND	ND	9,800	ND	ND	2,100	ND	ND	ND	ND	ND	ND	330 J	ND	ND	1,800	ND
	Monitoring event	P17	10/18/2019	1627	14.3	1.25	689.1	687.8	6.22	0.11	-118.5	2.242	58.76	16	895	ND	480	ND	2,800	190 J	ND	ND	ND	ND	ND	ND	ND	16,000	150 J	ND	3,000	ND	ND	ND	ND	ND	ND	800	ND	ND	6,000	ND
	Monitoring event	P18	1/10/2020	1711	14.3	0.61	689.1	688.5	5.52	0.23	34.3	1.250	11.75	9.5	341	160	390	ND	1,100	150	43 J	ND	230 J	ND	ND	ND	ND	7,700	ND	ND	610	ND	ND	ND	ND	ND	ND	530	ND	ND	1200	ND
	Monitoring event	P19	4/16/2020	1808	14.3	2.01	689.1	687.1	6.34	0.94	118.2	1.532	10.11	8.14	368	200	850	ND	1,200	130	58J	ND	140J	ND	ND	ND	ND	11,000	ND	ND	160	ND	ND	ND	ND	ND	ND	660	ND	ND	1,100	ND
	Monitoring event	P20	10/12/2020	1987	14.3	1.55	689.1	687.6	6.55	0.33	-112	1.302	2.54	18.3	392	160J	240	ND	1,900	99J	76J	ND	ND	ND	ND	ND	ND	17,000	ND	ND	490	ND	ND	ND	130J	ND	ND	880	ND	ND	2,500	ND
	Monitoring event	P21	4/2/2021	2159	14.3	0.6	689.1	688.5	12.53	2.33	-103.1	1.221	2.56	8.05	427	ND	380	ND	710	ND	ND	ND	ND	ND	ND	ND	ND	12,000	ND	ND	ND	ND	ND	ND	100J	ND	ND	620	ND	ND	190J	ND

Well ID	Event / Description		Date	Elapsed Time (Days)	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																													Dechlorinating Bacteria	Functional Genes		
					Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(ug/L)				(mg/L)																				(cells / mL)			
MW-42S	Monitoring event	P13	10/23/2018	1267	Not Sampled For These Parameters																											
	Monitoring event	P14	1/8/2019	1344																												
	Monitoring event	P15	4/18/2019	1444																												
	Monitoring event	P16	7/26/2019	1543																												
	Monitoring event	P17	10/18/2019	1627																												
	Monitoring event	P18	1/10/2020	1711																												
	Monitoring event	P19	4/16/2020	1808	92,000	ND	ND	ND	ND	ND	67.5	ND	ND	ND	ND	0.18	ND	ND	659	2.8HF	70.3	NS	NS	NS	NS	NS	283	NS	7.73E+01	<2.50E+01	<2.50E+02	7.00E+00
	Monitoring event	P20	10/12/2020	1987	79,000	370	2,600	13,000	0.031J	0.42	42.6	ND	ND	ND	NS	0.093	NS	NS	999	1.3 HF	43.9	NS	NS	NS	NS	NS	366	NS	Not Sampled For These Parameters			
	Monitoring event	P21	4/2/2021	2159	47,000	410	3,400	15,000	ND	0.30B	42.8	ND	ND	0.078B	NS	0.11	NS	NS	798	2.0HF	44.8	NS	NS	NS	NS	NS	317	NS	4.22E+04	1.95E+03	<2.50E+01	4.77E+03

FALSE

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-43S	Monitoring event	BL1	4/7/2011	-1489	14.5	2.57	689.1	686.6	7.04	5.68	47.2	0.794	3.62	11.9	NS	15	7.4	ND	13	3.5 J	ND	ND	3.3 J	ND	13	ND	1.1	12	ND	ND	34	ND	ND	0.69 J	ND	ND	ND	1.5	ND	15	19	1.7 J	Not Sampled For These Parameters																											
	Monitoring event	BL2	3/12/2015	-54	14.5	2.68	689.1	686.5	7.45	1.0	-140	0.615	2.58	9.48	2.1	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	ND	ND	0.82 J	ND	ND	ND	ND	ND	ND	1.7	0.73																												
	Monitoring event	P1	7/29/2015	85	14.5	2.35	689.1	686.8	5.63	0.31	-23.2	4.348	10.82	21.25	2,060 B	ND	ND	ND	29	ND	ND	3.1 J	250	ND	980	1.3	ND	13	ND	ND	46	ND	ND	ND	ND	ND	ND	0.97 J	ND	0.60 J	7	1.7 J																												
	Monitoring event	P2	4/8/2016	339	14.5	2.3	689.1	686.8	6.89	0.28	-122	2.139	15.9	11.08	22.8	ND	ND	ND	ND	ND	ND	ND	57	ND	33 J	ND	ND	9.8	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P3	7/13/2016	435	14.5	2.15	689.1	687.0	6.82	0.07	-101.6	2.230	23.4	22.29	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Sampled For These Parameters																								1.77E+02	1.58E+01J	<2.5E+01	<2.5E+01
	Monitoring event	P4	10/13/2016	527	14.5	3.27	689.1	685.9	6.88	0.22	-81	1.870	54.5	18.9	22.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	Not Sampled For These Parameters																											
	Monitoring event	P5	1/25/2017	631	14.5	2.00	689.1	687.1	6.81	0.78	-100	1.698	11.9	9.41	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P6	4/11/2017	707	14.5	2.94	689.1	686.2	6.77	0.15	-94	1.536	21.5	13.7	12.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P7	7/10/2017	797	14.5	3.35	689.1	685.8	7.02	0.24	-77	1.420	13.6	18.4	11.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P8	10/19/2017	898	14.5	2.62	689.1	686.5	6.88	0.2	-189	1.530	9.91	18	12.3	ND	ND	ND	0.48	ND	ND	ND	ND	ND	ND	0.98	ND	ND	ND	ND	0.64	ND	0.54	0.12	ND	ND	ND	1.7	0.8	ND	ND	2.9																												
	Monitoring event	P9	1/2/2018	973	14.5	3.35	689.1	685.8	8.48	1.92	-84	0.894	NA	6.65	11.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P10	4/11/2018	1072	14.5	1.84	689.1	687.3	6.9	0.95	-84	0.717	NA	11	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J																												
	Monitoring event	P11	7/12/2018	1164	14.5	2.95	689.1	686.2	7.01	0.20	-86	1.092	4.13	18.7	5.8 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P12	10/19/2018	1263	14.5	3.52	689.1	685.6	6.96	0.28	-89	1.118	3.94	18.6	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P13	1/8/2019	1344	14.5	2.43	689.1	686.7	7.01	0.20	-134	1.370	4.63	13.1	6.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P14	4/17/2019	1443	14.5	1.89	689.1	687.3	7.18	2.79	-88	0.900	22.2	11.6	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P15	7/26/2019	1543	14.5	2.9	689.1	686.2	6.24	0.41	-67.5	1.163	593.1	19.5	143	ND	ND	ND	ND	ND	ND	9.8 J	26 J	ND	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P16	10/18/2019	1627	14.5	2.6	689.1	686.5	6.77	0.28	-63	1.169	8.27	17.6	44.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-43S	Monitoring event	P17	1/8/2020	1709	14.5	2.03	689.1	687.1	6.84	0.26	-49	1.410	12.6	11.1	19.8
	Monitoring event	P18	4/14/2020	1806	14.5	2.12	689.1	687.0	6.77	0.83	35.6	1.337	10.1	10	12.8
	Monitoring event	P19	10/7/2020	1982	14.5	2.45	689.1	686.7	6.86	0.64	-126	1.185	4.95	18.2	14.1
	Monitoring event	P20	4/2/2021	2159	14.5	2.1	689.1	687.0	NA	3.32	-82.8	0.695	5.63	7.64	8.9

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
MW-43S	Monitoring event	P17	1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P18	4/14/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P19	10/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P20	4/2/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
MW-43S	Monitoring event	P17	1/8/2020	Not Sampled For These Parameters																											
	Monitoring event	P18	4/14/2020																												
	Monitoring event	P19	10/7/2020																												
	Monitoring event	P20	4/2/2021																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-44S	Monitoring event	BL	6/1/2011	-1434	15	8.55	689.0	680.4	7	7.45	324	0.660	45.1	16	NS
	Monitoring event	P1	7/29/2015	85	15	1.6	689.0	687.4	7.08	0.41	-140	1.004	3.04	15.84	31.6 B
	Monitoring event	P2	4/8/2016	339	15	1.55	689.0	687.5	7.23	0.43	-81	0.897	4.1	8.56	3.1
	Monitoring event	P3	7/14/2016	436	15	4	689.0	685.0	7.18	0.4	-100	0.954	3.99	15.5	2.1
	Monitoring event	P4	10/11/2016	525	15	2.55	689.0	686.5	7.21	1.28	-93	0.947	6.9	15.3	2.3
	Monitoring event	P5	1/25/2017	631	15	1.09	689.0	688.0	7.22	0.4	-83	0.915	7.86	8.32	2.4
	Monitoring event	P6	4/7/2017	703	15	0.89	689.0	688.2	7.12	0.32	-94	0.831	10.1	7.4	2.2
	Monitoring event	P7	7/10/2017	797	15	2.45	689.0	686.6	7.32	0.43	-67	0.880	4.62	15	1.5
	Monitoring event	P8	10/16/2017	895	15	2.15	689.0	686.9	7.29	0.77	-286	0.930	2.36	13.8	1.3
	Monitoring event	P9	1/2/2018	973	15	1.32	689.0	687.7	8.01	1.36	-60.4	0.588	NA	7.5	1.5
	Monitoring event	P10	4/11/2018	1072	15	0.88	689.0	688.2	7.32	2.28	-111	0.580	NA	6.75	2.4
	Monitoring event	P11	7/12/2018	1164	15	2.64	689.0	686.4	7.2	0.64	-84	0.998	1.51	14	1.2 B
	Monitoring event	P12	10/23/2018	1267	15	2.29	689.0	686.8	6.77	0.18	-67	0.880	7.3	14.0	1.0
	Monitoring event	P13	1/8/2019	1344	15	5.52	689.0	683.5	7.25	0.45	-79	1.020	20.6	9.9	1.8
	Monitoring event	P14	4/18/2019	1444	15	1.94	689.0	687.1	7.43	3.73	-32	0.987	13.2	9.1	1.6
	Monitoring event	P15	7/26/2019	1543	15	5.09	689.0	684.0	7.37	4.24	23.2	0.964	538	15.6	0.77 J
	Monitoring event	P16	10/17/2019	1626	15	1.29	689.0	687.8	7.01	4.05	22.8	0.973	4.88	12.8	1.2
	Monitoring event	P17	1/8/2020	1709	15	1.00	689.0	688.0	7.09	2.34	81.3	0.990	2.39	7.0	1.0
	Monitoring event	P18	4/14/2020	1806	15	0.67	689.0	688.3	7.13	1.71	78.9	0.974	7.94	7.8	0.9
	Monitoring event	P19	10/7/2020	1982	15	2.00	689.0	687.0	7.19	3.01	-45	0.839	3.11	14.7	1.4

Well ID	Event / Description		Date	Elapsed Time (Days)	VOCs																										
					1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
					(ug/L)																										
MW-44S	Monitoring event	BL	6/1/2011	-1434	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P1	7/29/2015	85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P2	4/8/2016	339	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P3	7/14/2016	436	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	10/11/2016	525	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P5	1/25/2017	631	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P6	4/7/2017	703	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	7/10/2017	797	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	10/16/2017	895	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	1/2/2018	973	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P10	4/11/2018	1072	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P11	7/12/2018	1164	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P12	10/23/2018	1267	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P13	1/8/2019	1344	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P14	4/18/2019	1444	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P15	7/26/2019	1543	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P16	10/17/2019	1626	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P17	1/8/2020	1709	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P18	4/14/2020	1806	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P19	10/7/2020	1982	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Elapsed Time (Days)	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																													Dechlorinating Bacteria	Functional Genes		
					Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(ug/L)				(mg/L)																				(cells / mL)			
MW-44S	Monitoring event	BL	6/1/2011	-1434	Not Sampled For These Parameters																											
	Monitoring event	P1	7/29/2015	85																												
	Monitoring event	P2	4/8/2016	339																												
	Monitoring event	P3	7/14/2016	436																												
	Monitoring event	P4	10/11/2016	525																												
	Monitoring event	P5	1/25/2017	631																												
	Monitoring event	P6	4/7/2017	703																												
	Monitoring event	P7	7/10/2017	797																												
	Monitoring event	P8	10/16/2017	895																												
	Monitoring event	P9	1/2/2018	973																												
	Monitoring event	P10	4/11/2018	1072																												
	Monitoring event	P11	7/12/2018	1164																												
	Monitoring event	P12	10/23/2018	1267																												
	Monitoring event	P13	1/8/2019	1344																												
	Monitoring event	P14	4/18/2019	1444																												
	Monitoring event	P15	7/26/2019	1543																												
	Monitoring event	P16	10/17/2019	1626																												
	Monitoring event	P17	1/8/2020	1709																												
	Monitoring event	P18	4/14/2020	1806																												
	Monitoring event	P19	10/7/2020	1982																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																	Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-44S	Monitoring event	P20	4/2/2021	2159	15	0.4	689.0	688.6	13.7	5.09	-55.1	0.506	13.01	5.5	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Sampled For These Parameters																											

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-35D	Monitoring event	BL1	6/17/2010	-1783	26	8.14	698.7	690.5	8.32	2.27	61.4	0.492	24.8	11.6	NS
	Monitoring event	BL2	8/2/2010	-1737	26	7.83	698.7	690.8	7.06	0.68	58.7	0.499	7.23	18.5	NS
	Monitoring event	BL3	11/5/2014	-181	NS	8	698.7	690.7	7.47	0.87	-56.6	0.399	NS	12.98	NS
	Monitoring event	BL4	3/12/2015	-54	29	6.65	698.7	692.0	7.23	1.08	-64	0.511	10	8.41	4.7
	Monitoring event	P1	7/28/2015	84	26	6.8	698.7	691.9	7.71	0.9	-104.4	0.454	4.18	13.97	3.3 B
	Monitoring event	P2	1/8/2016	248	26	7.6	698.7	691.1	7.73	0.84	-91.9	0.494	9.95	10.2	2.0 B
	Monitoring event	P3	4/8/2016	339	26	6.96	698.7	691.7	7.76	0.38	-28.5	0.407	7.11	9.53	1.9
	Monitoring event	P4	7/12/2016	434	26	7.42	698.7	691.2	7.58	0.13	-98.6	0.466	83.7	15.93	1.5
	Monitoring event	P5	10/11/2016	525	26	8.65	698.7	690.0	7.76	0.78	-115	0.455	26	14.3	1.9
	Monitoring event	P6	1/24/2017	630	26	8.07	698.7	690.6	7.61	0.35	-117.8	0.294	84	10.28	3.6 B
	Monitoring event	P7	4/10/2017	706	26	7.44	698.7	691.2	7.81	0.16	-153.8	0.390	15	13.4	2.9
	Monitoring event	P8	7/7/2017	794	26	8.25	698.7	690.4	7.81	0.22	-77.2	0.438	20.8	14.9	1.6
	Monitoring event	P9	10/17/2017	896	26	8.9	698.7	689.8	7.87	0.23	-321.4	0.491	11.8	13.4	2.2
	Monitoring event	P10	1/3/2018	974	26	7.29	698.7	691.4	9.9	1.46	-145.2	0.319	NA	9.88	2.6
	Monitoring event	P11	4/10/2018	1071	26	6.54	698.7	692.1	7.46	0.78	-108.8	0.311	NA	9.77	7.3

Well ID	Event / Description		Date	Elapsed Time (Days)	VOCs																										
					1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
					(ug/L)																										
MW-35D	Monitoring event	BL1	6/17/2010	-1783	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.1 J	ND	0.71 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	BL2	8/2/2010	-1737	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.69 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	BL3	11/5/2014	-181	Not Sampled For These Parameters																										
	Monitoring event	BL4	3/12/2015	-54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P1	7/28/2015	84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P2	1/8/2016	248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P3	4/8/2016	339	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	7/12/2016	434	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P5	10/11/2016	525	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P6	1/24/2017	630	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	4/10/2017	706	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	7/7/2017	794	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	10/17/2017	896	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P10	1/3/2018	974	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P11	4/10/2018	1071	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Elapsed Time (Days)	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																													Dechlorinating Bacteria	Functional Genes		
					Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(ug/L)				(mg/L)																				(cells / mL)			
MW-35D	Monitoring event	BL1	6/17/2010	-1783	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/2/2010	-1737																												
	Monitoring event	BL3	11/5/2014	-181	3,200	NS	NS	3,900	ND	0.05	2.3	9.1	NS	ND	0.009	0.37	18.7	5.2	260	0.12	2.4	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	BL4	3/12/2015	-54	Not Sampled For These Parameters																											
	Monitoring event	P1	7/28/2015	84	1,600	0.0015 J	ND	2,900	ND	0.021	ND	4.4	NS	ND	ND	0.32	ND	5.6	256	4.8	0.49	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P2	1/8/2016	248	610 J	ND	ND	1,200	ND	0.03	1.3	5	ND	ND	0.09	0.31	ND	6.3 b	269 B	ND	1.3	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P3	4/8/2016	339	ND	ND	ND	1,600	ND	0.12	5.1	6.8	ND	ND	0.056	0.23	12.4	2.4	221	0.094 J HF F1	5.2	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P4	7/12/2016	434	10,000	ND	ND	660	ND	0.051 B	2.6	3.4 J B	ND	ND	0.034	0.26	ND	2.8 b	253	0.10 H F	2.7	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P5	10/11/2016	525	11,000	ND	ND	1,300	ND	0.21 B	11.5	3.3	0.8 J	ND	0.66	12.2	ND	5	257	0.12	11.6	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P6	1/24/2017	630	8,900	ND	ND	1,400	ND	0.083 B	3.7	5.6	ND	ND	0.12	0.13 F1	10.1	3.3 b	157	ND	3.7	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P7	4/10/2017	706	9,200	ND	ND	2,500	ND	0.073	2.2	2.7	ND	ND	0.059	0.26	ND	3.7	238	ND	2.2	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P8	7/7/2017	794	14,000	ND	ND	3,000	ND	0.041	1.8	4.1	ND	ND	1.8	0.26	ND	4.2	263	ND	1.8	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P9	10/17/2017	896	10,000	ND	ND	5,300	ND	0.027	1.3	2.7	ND	ND	0.033	0.29	ND	2.7	275	ND	1.3	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P10	1/3/2018	974	12,000	ND	ND	9,800	ND	0.049	2.4	2.0	ND	ND	1.5	0.29	ND	4.6	267	ND	2.4	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P11	4/10/2018	1071	19,000	ND	ND	8100	0.037 J	0.60	5.7	2.4 J	ND	ND	0.042	0.070	ND	10.3 b	228	ND	5.7	NS	NS	NS	NS	NS	NS	NS				

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-35D	Monitoring event	P12	7/9/2018	1161	26	7.6	698.7	691.1	7.51	0.2	-145.1	0.502	49.7	14.5	2.9 B
	Monitoring event	P13	10/22/2018	1266	29	23.42	698.7	675.2	7.28	0.35	-94.9	0.429	90	11.9	2.5
	Monitoring event	P14	1/4/2019	1340	26	23.32	698.7	675.3	7.88	0.55	-176.4	0.492	980	10.7	2.6
	Monitoring event	P15	4/18/2019	1444	29	7.18	698.7	691.5	7.31	2.41	19.9	0.429	17.37	11.4	5.6
	Monitoring event	P16	7/22/2019	1539	29	7.42	698.7	691.2	7.51	2.16	-70.8	0.429	0	13.7	1.8
	Monitoring event	P17	10/17/2019	1626	29	6.65	698.7	692.0	7.66	0.16	-105.6	0.456	0.16	10.9	2.6
	Monitoring event	P18	1/8/2020	1709	29	6.75	698.7	691.9	7.6	0.46	33.7	0.480	51.6	8.5	2.5
	Monitoring event	P19	4/14/2020	1806	29	6.52	698.7	692.2	7.11	0.74	87.9	0.539	48	9.79	3.5
	Monitoring event	P20	10/6/2020	1981	29	8.4	698.7	690.3	8.21	0.3	-146.1	0.506	324	13	1.8
	Monitoring event	P21	4/5/2021	2162	29	6.56	698.7	692.1	8.55	6.71	75.2	0.282	12.4	11.15	7.4

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
MW-35D	Monitoring event	P12	7/9/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P13	10/22/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P14	1/4/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P15	4/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P16	7/22/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P17	10/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P18	1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P19	4/14/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.45J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P20	10/6/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.31J	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P21	4/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
MW-35D	Monitoring event	P12	7/9/2018	63,000	ND	ND	6,200	ND	0.75 B	7.7	2.5	ND	ND	0.63	0.3	26.5 B	5.0	248 B	ND	7.7	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P13	10/22/2018	9,200	ND	ND	6000	ND	0.34 B	17.8	1.8 J	ND	ND	0.89 B	0.39	23.4	5.3	269	ND	17.8	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P14	1/4/2019	11,000 B	1.6 J	ND	10,000	0.031 J	2.1	98.8	0.71 J	ND	ND	2.5	0.74	16.1 F1	ND	190 B	ND	98.8	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P15	4/18/2019	15,000 B	ND	ND	9,600	ND	0.4	17.8	2.1	ND	ND	0.89 B	0.19 B	NS	NS	163	ND	14.3	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P16	7/22/2019	11,000	3.2 J	ND	10,000	0.020 J	0.066 B	1.7	ND	ND	ND	ND	0.31	ND	ND	227	ND	1.7	NS	NS	NS	NS	NS	7.5	NS				
	Monitoring event	P17	10/17/2019	Not Sampled For These Parameters																											
	Monitoring event	P18	1/8/2020	Not Sampled For These Parameters																											
	Monitoring event	P19	4/14/2020	11,000	ND	ND	11,000	0.035J	0.83	21	4.1	ND	ND	ND	0.22	NS	NS	313	ND	21	NS	NS	NS	NS	NS	8.4	NS				
	Monitoring event	P20	10/6/2020	13,000	ND	ND	11,000	0.035J	1.9B	106	1.7J	ND	ND	NS	0.36	NS	NS	270	0.27HF	106	NS	NS	NS	NS	NS	6.4	NS				
	Monitoring event	P21	4/5/2021	12,000	ND	ND	230	0.091	0.20 B	4.6	9.5	ND	0.029 JB	NS	0.026	NS	NS	227	0.094JHF	4.7	NS	NS	NS	NS	NS	10	NS				

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth (feet)	Water Level Measurement (ft. ATOC)	Top of Casing Elevation (ft. AMSL)	Head Elevation (ft. AMSL)	pH (SU)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (mS/cm)	Turbidity (NTUs)	Temperature (°C)	Carbon, Total Organic (mg/L)
MW-36D	Monitoring event	BL1	6/17/2010	-1783	21	5.4	689.7	684.3	7.02	5.75	111	0.652	2.04	11.4	NS
	Monitoring event	BL2	8/2/2010	-1737	21	6.3	689.7	683.4	6.92	1.41	-118.3	0.711	13.2	29.2	NS
	Monitoring event	BL3	3/10/2015	-56	23.5	5.9	689.7	683.8	7.8	2.84	46.3	0.647	15.2	8.59	1.2
	Monitoring event	P1	7/29/2015	85	23.5	6.25	689.7	683.4	5.75	0.3	-64.1	5.357	54.5	15	4,880 B
	Monitoring event	P2	4/8/2016	339	23.5	5.4	689.7	684.3	5.55	0.49	3.5	4.533	2.3	9.03	4,530 B
	Monitoring event	P3	7/11/2016	433	23.5	7.65	689.7	682.1	5.81	1.38	-36.4	7.885	19.9	13.82	4,210
	Monitoring event	P4	10/12/2016	526	23.5	9.1	689.7	680.6	5.79	0.3	-145.2	10.070	19.7	17.16	5,930
	Monitoring event	P5	1/24/2017	630	23.5	5.88	689.7	683.9	6.76	0.31	-146	4.677	34.3	8.07	1,590
	Monitoring event	P6	4/12/2017	708	23.5	5.15	689.7	684.6	6.4	0.12	-116	4.997	26.1	9.3	2,970
	Monitoring event	P7	7/6/2017	793	23.5	6.95	689.7	682.8	7.11	0.23	-58	3.040	18.1	15.7	870
	Monitoring event	P8	10/18/2017	897	23.5	7.5	689.7	682.2	7.15	0.22	-317	2.520	16	14.9	152
	Monitoring event	P9	1/4/2018	975	23.5	5.12	689.7	684.6	9.52	2.17	-91	1.444	NA	8.23	31.9
	Monitoring event	P10	4/9/2018	1070	23.5	5.21	689.7	684.5	7.35	0.75	-108	1.334	NA	8.17	21.3
	Monitoring event	P11	7/10/2018	1162	23.5	6.35	689.7	683.4	7.03	0.39	-174	2.160	62.5	15.7	48.1
	Monitoring event	P12	10/18/2018	1262	23.5	7.6	689.7	682.1	7.21	0.22	-81	1.448	36.8	11.9	15.8
	Monitoring event	P13	1/8/2019	1344	23.5	5.54	689.7	684.2	7.39	0.2	-185	1.810	23.6	9.8	12.5
	Monitoring event	P14	4/16/2019	1442	23.5	5.35	689.7	684.4	7.71	2.87	-152	1.786	25.8	8.3	14.4

Well ID	Event / Description		Date	Elapsed Time (Days)	VOCs (ug/L)																										
					1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
MW-36D	Monitoring event	BL1	6/17/2010	-1783	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND
	Monitoring event	BL2	8/2/2010	-1737	ND	ND	ND	ND	ND	ND	ND	200	ND	21 J	ND	0.93 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.74 J	ND	ND
	Monitoring event	BL3	3/10/2015	-56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P1	7/29/2015	85	ND	ND	ND	0.57 J	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.67 J	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P2	4/8/2016	339	ND	ND	ND	ND	ND	ND	ND	600	ND	580	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P3	7/11/2016	433	ND	ND	ND	ND	ND	ND	ND	910	ND	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	10/12/2016	526	ND	ND	ND	ND	ND	ND	ND	1,100	ND	650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P5	1/24/2017	630	ND	ND	ND	ND	ND	ND	ND	660	ND	260	ND	0.96 J	ND	ND	ND	ND	ND	ND	ND	6.0	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P6	4/12/2017	708	ND	ND	ND	ND	ND	ND	ND	930	ND	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	7/6/2017	793	ND	ND	ND	ND	ND	ND	27	500	ND	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	10/18/2017	897	ND	ND	ND	ND	ND	ND	15	260	ND	110	ND	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	1/4/2018	975	ND	ND	ND	ND	ND	ND	6.6	170	ND	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88 J	ND	ND	ND	ND
	Monitoring event	P10	4/9/2018	1070	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P11	7/10/2018	1162	ND	ND	ND	ND	ND	ND	ND	25 J*	ND	20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P12	10/18/2018	1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P13	1/8/2019	1344	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P14	4/16/2019	1442	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Elapsed Time (Days)	Dissolved Gasses (ug/L)				Wet Chemistry (mg/L)																				Q Potential (DNA) (cells / mL)			
																													Dechlorinating Bacteria	Functional Genes		
					Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
MW-36D	Monitoring event	BL1	6/17/2010	-1783	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/2/2010	-1737																												
	Monitoring event	BL3	3/10/2015	-56																												
	Monitoring event	P1	7/29/2015	85																												
	Monitoring event	P2	4/8/2016	339																												
	Monitoring event	P3	7/11/2016	433																												
	Monitoring event	P4	10/12/2016	526																												
	Monitoring event	P5	1/24/2017	630																												
	Monitoring event	P6	4/12/2017	708																												
	Monitoring event	P7	7/6/2017	793																												
	Monitoring event	P8	10/18/2017	897																												
	Monitoring event	P9	1/4/2018	975																												
	Monitoring event	P10	4/9/2018	1070																												
	Monitoring event	P11	7/10/2018	1162																												
	Monitoring event	P12	10/18/2018	1262																												
	Monitoring event	P13	1/8/2019	1344																												
	Monitoring event	P14	4/16/2019	1442																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-36D	Monitoring event	P15	7/25/2019	1542	23.5	6.21	689.7	683.5	7.52	1.7	-26.7	1.579	350.2	16	11.2
	Monitoring event	P16	10/18/2019	1627	23.5	5.57	689.7	684.2	7.2	0.26	-99	1.399	8.31	11.6	20.8
	Monitoring event	P17	1/8/2020	1709	23.5	4.96	689.7	684.7	6.99	0.28	-20	1.570	14	8.7	17.9
	Monitoring event	P18	4/15/2020	1807	23.5	4.75	689.7	685.0	6.97	0.83	28.7	1.388	11.1	8.48	13.6
	Monitoring event	P19	10/9/2020	1984	23.5	7.9	689.7	681.8	7.46	0.5	-111	1.090	18.6	13.3	9.9
	Monitoring event	P20	4/6/2021	2163	23.5	5.25	689.7	684.5	7.5	1.6	-76.3	0.789	13.0	9.06	

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
MW-36D	Monitoring event	P15	7/25/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P16	10/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P17	1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P18	4/15/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P19	10/9/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6J	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P20	4/6/2021																											

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
MW-36D	Monitoring event	P15	7/25/2019	Not Sampled For These Parameters																											
	Monitoring event	P16	10/18/2019																												
	Monitoring event	P17	1/8/2020																												
	Monitoring event	P18	4/15/2020																												
	Monitoring event	P19	10/9/2020																												
	Monitoring event	P20	4/6/2021																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth (feet)	Water Level Measurement (ft. ATOC)	Top of Casing Elevation (ft. AMSL)	Head Elevation (ft. AMSL)	pH (SU)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (mS/cm)	Turbidity (NTUs)	Temperature (°C)	Carbon, Total Organic (mg/L)
MW-37D	Monitoring event	BL1	6/18/2010	-1782	20	4.35	690.1	685.7	7.23	5.14	-79	0.802	8.9	11.5	NS
	Monitoring event	BL2	8/3/2010	-1736	20	5.30	690.1	684.8	7.15	1.08	-139	0.786	2.98	15.21	NS
	Monitoring event	BL3	3/10/2015	-56	22.5	4.98	690.1	685.1	8	0.59	-80.3	0.662	0.07	9.2	0.65 J
	Monitoring event	P1	7/29/2015	85	22.5	5.4	690.1	684.7	6.42	0.52	-84.5	2.371	29.6	13.94	1,060 B
	Monitoring event	P2	4/8/2016	339	22.5	4.28	690.1	685.8	6.89	0.15	-107	1.999	20	8.28	294
	Monitoring event	P3	7/12/2016	434	22.5	7.00	690.1	683.1	9.95	0.35	-105	1.411	7.34	13.28	60.9
	Monitoring event	P4	10/12/2016	526	22.5	8.35	690.1	681.7	6.98	0.35	-90	0.969	10.8	12.9	22.8
	Monitoring event	P5	1/24/2017	630	22.5	4.86	690.1	685.2	6.93	0.25	-88	1.003	11.1	9.52	18.3
	Monitoring event	P6	4/11/2017	707	22.5	4.12	690.1	685.9	7	0.03	-110	0.852	11.4	10.7	6.3
	Monitoring event	P7	7/10/2017	797	22.5	5.95	690.1	684.1	7.08	13.3	-87	1.020	13.3	13.3	4.4
	Monitoring event	P8	10/18/2017	897	22.5	6.55	690.1	683.5	7.13	0.1	-315	0.940	6.8	12.3	5.3
	Monitoring event	P9	1/5/2018	976	22.5	4.72	690.1	685.3	10.2	1.09	-88	0.764	NA	8.4	5.2 B
	Monitoring event	P10	4/11/2018	1072	22.5	4.28	690.1	685.8	7.86	0.54	-84	0.639	NA	7.87	4.3
	Monitoring event	P11	7/11/2018	1163	22.5	6.83	690.1	683.2	7.29	0.31	-141	0.868	8.27	11.62	1.6 B
	Monitoring event	P12	10/18/2018	1262	22.5	7.23	690.1	682.8	6.98	0.22	-55	0.809	10.2	11.5	1.8
	Monitoring event	P13	1/19/2019	1355	22.5	4.72	690.1	685.3	7.33	0.24	-132	1.060	16.2	9.3	3.4
	Monitoring event	P14	4/17/2019	1443	22.5	5.34	690.1	684.7	7.43	2.62	-83	0.963	29.7	9.8	2.9
	Monitoring event	P15	7/24/2019	1541	22.5	5.52	690.1	684.5	7.19	2.02	-107	0.928	0	12.7	1.6
	Monitoring event	P16	10/18/2019	1627	22.5	5.02	690.1	685.0	7.22	0.16	-66	0.859	11.1	10.7	1.8

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
MW-37D	Monitoring event	BL1	6/18/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	BL2	8/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7 J	ND	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	BL3	3/10/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P1	7/29/2015	ND	ND	ND	ND	ND	ND	ND	280	ND	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P2	4/8/2016	ND	ND	ND	ND	ND	ND	ND	390 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P3	7/12/2016	ND	ND	ND	ND	ND	ND	1.6 J	130	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P4	10/12/2016	ND	ND	ND	ND	ND	ND	ND	6	ND	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P5	1/24/2017	ND	ND	ND	ND	ND	ND	ND	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P6	4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P7	7/10/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P8	10/18/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P9	1/5/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P10	4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P11	7/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P12	10/18/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P13	1/19/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P14	4/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P15	7/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P16	10/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
MW-37D	Monitoring event	BL1	6/18/2010	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/3/2010																												
	Monitoring event	BL3	3/10/2015																												
	Monitoring event	P1	7/29/2015																												
	Monitoring event	P2	4/8/2016																												
	Monitoring event	P3	7/12/2016																												
	Monitoring event	P4	10/12/2016																												
	Monitoring event	P5	1/24/2017																												
	Monitoring event	P6	4/11/2017																												
	Monitoring event	P7	7/10/2017																												
	Monitoring event	P8	10/18/2017																												
	Monitoring event	P9	1/5/2018																												
	Monitoring event	P10	4/11/2018																												
	Monitoring event	P11	7/11/2018																												
	Monitoring event	P12	10/18/2018																												
	Monitoring event	P13	1/19/2019																												
	Monitoring event	P14	4/17/2019																												
	Monitoring event	P15	7/24/2019																												
	Monitoring event	P16	10/18/2019																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
	Monitoring event	P17	1/8/2020	1709	22.5	4.06	690.1	686.0	7	0.33	-46	0.870	3.55	9	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Sampled For These Parameters																											
	Monitoring event	P18	4/15/2020	1807	22.5	3.98	690.1	686.1	6.9	0.78	64.4	0.877	11.2	8.31	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P19	10/7/2020	1982	22.5	6.52	690.1	683.6	7.16	0.3	113	0.725	6.01	12.6	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P20	4/5/2021	2162	22.5	4.41	690.1	685.7	7.32	2.19	-53.5	0.582	3.75	9.93	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-38D	Monitoring event	BL	6/22/2010	-1778	21	15.21	689.7	674.5	7.05	1.1	20.5	0.716	2.1	14.23	NS
	Monitoring event	BL2	8/4/2010	-1735	21	6.25	689.7	683.4	6.92	0.79	-46.9	0.718	1.43	18.1	NS
	Monitoring event	BL3	11/5/2014	-181	24	5.51	689.7	684.2	7.7	0.21	-114.6	0.658	NS	12.85	NS
	Monitoring event	BL4	3/10/2015	-56	24	5.32	689.7	684.3	7.78	0.62	-2.3	0.778	25.7	7.89	2.5
	Monitoring event	P1	6/12/2015	38	NS (Grab Sample)										
	Monitoring event	P2	7/27/2015	83	24	5.65	689.7	684.0	5.67	0.36	-57.6	5.771	739	17.39	7,240
	Monitoring event	P3	1/7/2016	247	24	5.2	689.7	684.5	5.39	0.51	22.2	6.189	27.7	9.7	4,650
	Monitoring event	P4	4/8/2016	339	24	4.69	689.7	685.0	6.31	0.65	-75	4.248	21.6	8.83	2,540
	Monitoring event	P5	7/12/2016	434	24	6.3	689.7	683.4	6.89	0.07	-159	5.553	51.6	18.55	2,270
	Monitoring event	P6	10/12/2016	526	24	7.35	689.7	682.3	7.33	1.6	-149.4	3.317	51.9	14.3	1,310 B
	Monitoring event	P7	1/23/2017	629	24	5.22	689.7	684.4	7.33	1.08	-138.8	2.997	38	10.38	650
	Monitoring event	P8	4/12/2017	708	24	4.4	689.7	685.3	7.32	0.01	-163.5	2.526	17.9	8.4	459 B

Event / Description	Date	VOCs																										
		1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
		(ug/L)																										
Monitoring event BL	6/22/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,400	ND	270	ND	ND	ND	230 J	300	ND	11,000	ND	730 J
Monitoring event BL2	8/4/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13,000	ND	ND	ND	ND	ND	130	ND	ND	2,100	ND	260 J
Monitoring event BL3	11/5/2014	Not Sampled For These Parameters																										
Monitoring event BL4	3/10/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	290	ND	ND	ND	ND	ND	ND	ND	ND	1.9	260	ND
Monitoring event P1	6/12/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	ND	ND	ND	ND	ND	ND	ND	ND	18 J	50	ND
Monitoring event P2	7/27/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	ND	3.8 J	ND	ND	ND	ND	ND	ND	6.8	60	4.8 J
Monitoring event P3	1/7/2016	ND	ND	ND	ND	ND	ND	ND	610	ND	880	ND	ND	ND	ND	ND	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND
Monitoring event P4	4/8/2016	ND	ND	ND	3.8 J	1.3 J	ND	6.9 J	1,000	ND	120	ND	ND	ND	ND	ND	850	ND	7.3	ND	9.1	ND	ND	ND	ND	ND	240	15
Monitoring event P5	7/12/2016	ND	ND	ND	ND	ND	ND	ND	1,100	ND	130	ND	ND	ND	ND	ND	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	ND
Monitoring event P6	10/12/2016	ND	ND	ND	5.1 J	ND	ND	ND	860	ND	110	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7 J	ND	ND	58	8.2 J
Monitoring event P7	1/23/2017	ND	ND	ND	ND	ND	ND	ND	520	ND	87 J	ND	ND	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.7 J	ND	ND	14	9.3 J
Monitoring event P8	4/12/2017	ND	ND	ND	2.1 J	ND	ND	ND	660	ND	86	ND	ND	17	ND	ND	ND	ND	5.7	ND	2.0 J	ND	ND	7.5	ND	ND	6.7	13

Event / Description	Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																										Dechlorinating Bacteria	Functional Genes		
		Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
		(ug/L)				(mg/L)																				(cells / mL)			
Monitoring event BL	6/22/2010	Not Sampled For These Parameters																											
Monitoring event BL2	8/4/2010																												
Monitoring event BL3	11/5/2014	5,500	NS	NS	1,200	ND	0.025	0.98	4.8	NS	ND	0.27	0.14	229	68.2	489	ND	0.98	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
Monitoring event BL4	3/10/2015	Not Sampled For These Parameters																											
Monitoring event P1	6/12/2015																												
Monitoring event P2	7/27/2015	79,000	ND	ND	6,000	ND	2	397	ND	ND	ND	2.3	0.49	33600	18900	5150	105	502	2420	693	746	1860	966	NS	NS	8.41E+02	<2.50E+01	1.20E+02	1.47E+01J
Monitoring event P3	1/7/2016	20,000	ND	ND	570	ND	3	ND	2.0 J	ND	ND	1.8	0.57	14,300	ND	5860	664 HF	477	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
Monitoring event P4	4/8/2016	9,700	ND	ND	1,300	ND	2.4	102	ND	ND	ND	1.1	4.4	8,670	>1499.20 H	4220	347 HF	449	NS	NS	NS	NS	NS	NS	NS				
Monitoring event P5	7/12/2016	140,000	ND	ND	5,400	ND	1.0 B	108	ND	0.064 J	ND	2	3.5	37600	>1477.73 H b	3910	119 HF	227	NS	NS	NS	NS	NS	NS	NS	4.00E+04	1.78E+02	2.22E+04	6.96E+02
Monitoring event P6	10/12/2016	100,000	ND	ND	1,900	ND	0.042 B	32.8	ND	ND	ND	0.36	0.52	3,860	>89.20B	3,020	0.41 HF	33.2	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
Monitoring event P7	1/23/2017	6,000	ND	ND	200	ND	0.022	18.2	20.9 J	ND	ND	0.69	0.87	2,050	2,040 H b	2,290	15.3 HF	33.5	NS	NS	NS	NS	NS	NS	NS				
Monitoring event P8	4/12/2017	120,000	ND	ND	4,300	ND	0.017	24	ND	ND	ND	0.59	ND	1300	667 Hb	2,290 B	0.096 JHF	24.1	NS	NS	NS	NS	NS	NS	NS	10900	160	.50E+	1080

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																			Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-38D	Monitoring event	P9	7/7/2017	794	24	5.7	689.7	684.0	7.61	0.07	-115.7	2.590	19.5	18.4	370	ND	ND	ND	ND	ND	ND	ND	720	ND	74	ND	0.81 J	19	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	5.9	ND	ND	5.1	11	92,000	ND	ND	5,300	ND	0.008	11.2	ND	ND	ND	0.43	ND	1,240	708 H b	1,840	ND	11.2	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P10	10/18/2017	897	24	6.5	689.7	685.3	8.1	0.49	-278.7	2.060	16.9	13.6	113	ND	ND	ND	19 J	1.1	ND	ND	110	ND	33	1.7	ND	75	ND	ND	27	ND	9.6	ND	ND	ND	ND	39	5.1	ND	47	30	40,000	ND	ND	15,000	ND	0.0062	1.3	ND	ND	ND	0.85	0.4	323	133 Hb	1,300 B	1.0 JHF	2.3	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P11	1/4/2018	975	24	NA	689.7	NA	NA	NA	NA	NA	NA	NA	77.1	ND	ND	ND	ND	ND	ND	ND	130	ND	45	ND	0.81 J	23	ND	ND	ND	ND	4.1	ND	ND	ND	ND	14	ND	ND	5.1	15	81,000	ND	ND	22,000	ND	0.0059	6.8	ND	ND	ND	0.56	0.095 F1	245	147 H b	1,680	ND	NS	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P12	4/10/2018	1071	24	4.21	689.7	NA	7.51	1.09	-51.3	1.381	NA	9.16	19.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	2.2 J	ND	ND	ND	15	84,000	ND	ND	20,000	ND	0.0067	3.6	ND	ND	ND	0.45	1.8	79.8	25.7 b	1440 B	ND	3.6	NS	NS	NS	NS	NS	NS	NS	1.81E+02	6.36E+01	1.25E+01	5.16E+01
	Monitoring event	P13	7/11/2018	1163	24	6.83	689.7	682.8	7.64	0.29	-180.6	2.296	20.7	14.89	29.9	ND	ND	ND	4.3	ND	ND	ND	17 J*	ND	12 J	ND	ND	20	ND	ND	ND	ND	6.0	ND	ND	ND	ND	12	ND	ND	ND	18	97,000	ND	ND	18,000	ND	0.014 B	5.3	ND	ND	ND	0.88	0.97	220 B	125	1520 B	2.5 HF	7.8	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P14	10/17/2018	1261	24	6.4	689.7	683.3	7.76	0.25	-124.7	1.836	20.1	13.8	32.5	ND	ND	ND	20	ND	ND	ND	7.2 J	ND	ND	ND	1.2 J B	55	ND	ND	20	ND	7.2	ND	ND	ND	ND	28	ND	ND	11	22	71,000	ND	ND	12,000	ND	0.0078	2.8	ND	ND	ND	0.78 B	0.60	96.7	14.6	1,280	ND	2.8	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P15	1/4/2019	1340	24	5.06	689.7	684.6	7.63	0.2	-138.9	2.270	14.8	11.1	11.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	73,000 B	21	ND	16,000	ND	0.0044	1.9	ND	ND	ND	0.48	0.59	73	3.8 Hb	1370 B	ND HF	1.9	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P16	4/16/2019	1442	24	4.56	689.7	685.1	7.82	2.89	-68.6	1.952	49.17	8.8	15.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND	4.8 J	73,000	32	19	13,000	ND	0.0068 B	2.1	ND	ND	ND	NS	1.1	NS	NS	1,210	ND	2.1 B	NS	NS	NS	NS	NS	NS	NS	Not Sampled For These Parameters			
	Monitoring event	P17	7/24/2019	1541	24	5.01	689.7	684.7	6.47	0.51	-134	2.264	123.11	15.4	641	ND	ND	ND	ND	ND	ND	12 J	150	ND	62	ND	ND	8.7	ND	ND	4.1	ND	ND	ND	ND	ND	ND	2.9 J	ND	ND	4.0	4.5 J	290,000	ND	ND	8,400	ND	0.17 B	65.9	ND	ND	ND	ND	0.24	ND	ND	1,410	3.5 HF	68.4 B	NS	NS	NS	NS	NS	52.3	NS	Not Sampled For These Parameters			
	Monitoring event	P18	10/17/2019	1626	24	4.64	689.7	685.0	7.05	0.19	-148.2	2.023	39.45	12.2	148	ND	ND	ND	ND	ND	ND	ND	53	ND	25 J	ND	ND	6.1	ND	ND	ND	ND	5.8	ND	ND	ND	ND	5.1	ND	ND	ND	17	180,000	ND	ND	12,000	ND	0.1	55.9	ND	ND	0.12	NS	0.08	NS	NS	1,330	0.12 HF	56	NS	NS	NS	NS	NS	21.6	NS	Not Sampled For These Parameters			
	Monitoring event	P19	1/7/2020	1708	24	4.2	689.7	685.5	7.06	0.62	-121.6	2.010	13.8	9.4	126	ND	ND	ND	ND	ND	ND	5.7 J	86	ND	24 J	ND	ND	3.1 J	ND	ND	ND	ND	3.7 J	ND	ND	ND	ND	4.4	ND	ND	ND	11	160,000	ND	ND	12,000	ND	0.082	34.6	ND	ND	ND	NS	ND	NS	NS	1,000	0.31 HF	34.9	NS	NS	NS	NS	NS	19.4	NS	Not Sampled For These Parameters			

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																															Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-38D	Monitoring event	P20	4/14/2020	1806	24	4.82	689.7	684.9	7.09	0.95	-27.7	1.736	27.2	8.62	58.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4	ND	ND	ND	ND	2.5J	ND	ND	ND	13	180,000	ND	ND	160,000	0.068	0.03	17.3	ND	ND	ND	NS	ND	NS	NS	1,090	0.084	17.4	NS	NS	NS	NS	NS	15.9	NS	Not Sampled For These Parameters			
	Monitoring event	P21	10/12/2020	1987	24	6.31	689.7	683.4	7.13	0.88	-98.3	1.180	22.3	13.6	170	ND	ND	ND	ND	ND	ND	ND	250	ND	35J	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	4.3J	48,000	ND	ND	14,000	ND	0.021	4.2	ND	ND	ND	NS	ND	NS	NS	1,040	ND HF	4.2	NS	NS	NS	NS	NS	18	NS	Not Sampled For These Parameters			
	Monitoring event	P22	4/5/2021	2162	24	3.2	689.7	686.5	7.43	2.08	-87.4	0.695	9.04	10.41	25.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	98,000	ND	ND	20,000	ND	0.40B	10.3	14.0	ND	ND	NS	0.12	NS	NS	640	ND HF	10.3	NS	NS	NS	NS	NS	13.3	NS	2.18E+02	3.63E+01	<2.50E+01	<2.50E+01

0.3

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-39D	Monitoring event	BL1	6/18/2010	-1782	20	4	689.7	685.7	7.1	4.93	-50	0.724	12.1	11.9	NS
	Monitoring event	BL2	8/3/2010	-1736	20	5	689.7	684.7	7.1	1.57	-138	0.724	18	15.89	NS
	Monitoring event	BL3	3/10/2015	-56	22.5	4.7	689.7	685.0	7.81	0.77	-47.4	0.655	1.75	8.85	0.55 J
	Monitoring event	P1	7/29/2015	85	22.5	5.2	689.7	684.5	5.76	0.4	-63	5.088	767	17.12	3340 B
	Monitoring event	P2	4/8/2016	339	22.5	4.08	689.7	685.6	6.77	0.43	-144	3.505	120	7.17	2250
	Monitoring event	P3	7/12/2016	434	22.5	6.7	689.7	683.0	6.77	0.45	-119	2.287	44.4	14.8	436
	Monitoring event	P4	10/13/2016	527	22.5	7.8	689.7	681.9	6.85	0.41	-91	1.807	35.7	12.2	127
	Monitoring event	P5	1/24/2017	630	22.5	4.65	689.7	685.1	6.85	0.29	-117	1.613	27.1	9.12	57.4
	Monitoring event	P6	4/11/2017	707	22.5	3.84	689.7	685.9	6.78	0.03	-120	1.350	25	11	30.7
	Monitoring event	P7	7/6/2017	793	22.5	5.55	689.7	684.2	7.03	0.13	-91	1.250	24.2	13.2	NS
	Monitoring event	P8	10/18/2017	897	22.5	6.27	689.7	683.5	7.05	0.13	-314	1.370	22.2	12.6	11
	Monitoring event	P9	1/9/2018	980	22.5	3.7	689.7	686.0	9.33	1.08	-54	0.855	NA	8.84	10
	Monitoring event	P10	4/12/2018	1073	22.5	3.89	689.7	685.8	7.15	0.77	-85	0.834	NA	8.75	11.7
	Monitoring event	P11	7/11/2018	1163	22.5	5.29	689.7	684.4	7.06	0.29	-103	1.190	10.07	11.85	7.1 B
	Monitoring event	P12	10/17/2018	1261	22.5	6.52	689.7	683.2	7.07	0.18	-71	1.073	15.4	11.7	6.7
	Monitoring event	P13	1/7/2019	1343	22.5	4.7	689.7	685.0	7.34	0.38	-126	1.340	10.2	9.6	12.0
	Monitoring event	P14	4/15/2019	1441	22.5	3.8	689.7	685.9	7.25	2.94	-79	1.126	-335	8.3	7.8
	Monitoring event	P15	7/24/2019	1541	22.5	6.59	689.7	683.1	5.47	13.2	-71	2.049	77.7	8.3	1610
	Monitoring event	P16	10/18/2019	1627	22.5	6.3	689.7	683.4	5.93	0.07	-81.9	1.250	4482.2	10.8	723

Well ID	Event	VOCs																										
		1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
		(ug/L)																										
MW-39D	BL1	17	ND	ND	4.7 J	2.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	BL2	13	ND	ND	5.8	3.1 J	ND	ND	ND	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	BL3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P1	ND	ND	ND	0.80 J	ND	ND	ND	420	ND	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND
	P2	ND	ND	ND	ND	ND	ND	ND	910	ND	250 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P3	ND	ND	ND	ND	ND	ND	2.7 J	340	ND	83	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P4	ND	ND	ND	ND	ND	ND	1.3 J	170	ND	48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P5	ND	ND	ND	ND	ND	ND	2.6 J	180	ND	43	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P6	ND	ND	ND	ND	ND	ND	1.3 J	28	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73 J	ND	ND	ND	ND
	P7	ND	ND	ND	ND	ND	ND	ND	3.7	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.93	ND	ND	ND	ND
	P8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.86	ND	ND	ND	ND
	P9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.74	ND	ND	ND	ND
	P10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P15	ND	ND	ND	ND	ND	ND	ND	200	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	P16	ND	ND	ND	ND	ND	ND	ND	33	ND	12	ND	ND	0.49 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																										Dechlorinating Bacteria	Functional Genes		
		Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
		(ug/L)				(mg/L)																				(cells / mL)			
MW-39D	BL1	Not Sampled For These Parameters																											
	BL2																												
	BL3																												
	P1																												
	P2																												
	P3																												
	P4																												
	P5																												
	P6																												
	P7																												
	P8																												
	P9																												
	P10																												
	P11																												
	P12																												
	P13																												
	P14																												
	P15																												
	P16																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters						
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)
MW-39D	Monitoring event	P17	1/10/2020	1711	22.5	6.44	689.7	683.3	5.11	0.38	39.7	1.390	23.4	9.7	388.0
	Monitoring event	P18	4/16/2020	1808	22.5	3.61	689.7	686.1	5.77	1.45	132	1.124	34.9	6.68	223
	Monitoring event	P19	10/9/2020	1984	22.5	6.7	689.7	683.0	6.32	0.54	-83	0.752	48.3	12.3	218.0
	Monitoring event	P20	4/5/2021	2162	22.5	4.04	689.7	685.7	6.95	1.8	-45.3	0.539	33.2	10.3	251

Well ID	Event / Description		Date	VOCs																										
				1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
				(ug/L)																										
MW-39D	Monitoring event	P17	1/10/2020	ND	ND	ND	ND	ND	ND	1.9 J	85	ND	25	ND	0.40 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P18	4/16/2020	ND	ND	ND	ND	ND	ND	2.2J	57	ND	29	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P19	10/9/2020	ND	ND	ND	ND	ND	ND	ND	30	ND	28	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monitoring event	P20	4/5/2021	ND	ND	ND	ND	ND	ND	4.3J	5.4J	ND	6.4J	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Well ID	Event / Description		Date	Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																												Dechlorinating Bacteria	Functional Genes		
				Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
				(ug/L)				(mg/L)																				(cells / mL)			
MW-39D	Monitoring event	P17	1/10/2020	Not Sampled For These Parameters																											
	Monitoring event	P18	4/16/2020																												
	Monitoring event	P19	10/9/2020																												
	Monitoring event	P20	4/5/2021																												

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																		Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-40D	Monitoring event	BL1	6/21/2010	-1779	22.8	3.53	689.2	685.7	6.91	1.01	69	0.719	3.74	13.22	NS	23	ND	ND	260	1.8 J	ND	ND	ND	ND	3.4 J	ND	ND	1.4 J	ND	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J	ND	1.1 J	Not Sampled For These Parameters																											
	Monitoring event	BL2	8/3/2010	-1736	22.8	4.3	689.2	684.9	7.2	1.95	-202	0.693	3.5	17.37	NS	25	ND	ND	550	6 J	ND	ND	ND	ND	ND	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	BL3	11/6/2014	-180	NA	NA	NA	NA	8.31	NA	-14	0.624	Na	12.18	NS	Not Sampled For These Parameters																											1,400	NS	NS	1,400	ND	0.002	0.24	ND	NS	ND	ND	0.61	12.9	2.7	291	ND	0.24	NS	NS	NS	NS	NS		NS	Not Sampled For These Parameters			
	Monitoring event	BL4	3/11/2015	-55	22.5	3.95	689.2	685.2	9.01	0.75	-15.1	0.669	2.09	8.81	1.8	2,800	110	ND	5,400	200	ND	ND	ND	ND	ND	ND	ND	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND	Not Sampled For These Parameters																											
	Monitoring event	P1	6/12/2015	38	NS (Grab Sample)										ND	ND	ND	ND	1,800	ND	ND	ND	ND	ND	ND	ND	ND	380	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
	Monitoring event	P2	7/27/2015	83	22.5	4.25	689.2	684.9	6.54	0.56	-108.9	2.820	21.6	15.85	1260	ND	ND	ND	12,000	64 J	ND	ND	260 J	ND	ND	ND	ND	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,600	ND	ND	1,800	ND	0.44	59.7	ND	NS	ND	0.92	0.2	4220	2890	1900	44.3	104	1300	ND	ND	95	672		ND	Not Sampled For These Parameters			
	Monitoring event	P3	1/7/2016	247	22.5	3.25	689.2	685.9	7.47	0.37	-163.4	1.497	9.17	11.39	313	ND	ND	ND	190	ND	ND	ND	ND	ND	ND	ND	ND	4900 F1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,300	ND	ND	2,500	ND	0.23	24.4	2.1 J	0.090 J	ND	0.41	0.27 F1	2600 B	738 H	966	ND	24.4	NS	NS	NS	NS	NS		NS				
	Monitoring event	P4	4/8/2016	339	22.5	2.892	689.2	686.3	7.59	0.12	-161	1.092	18.2	7.16	202	ND	ND	ND	220	ND	ND	ND	ND	ND	ND	ND	ND	2,500	ND	ND	ND	ND	ND	ND	46 J	ND	ND	ND	ND	ND	ND	ND	3,100	ND	ND	1,200	ND	0.077	19.7	ND	0.13	ND	0.32	0.25	623	557	771	0.078 J HF	19.8	NS	NS	NS	NS	NS		NS				
	Monitoring event	P5	7/11/2016	433	22.5	4.95	689.2	684.2	7.12	1.2	-135	2.045	19	18.53	614	ND	ND	ND	12 J	ND	ND	ND	380	ND	ND	ND	ND	950 F1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46,000	ND	ND	1,200	ND	0.064 B	17.1	ND	ND	ND	0.41	0.29	2080 B	>1374.27 H b	1330	0.77 HF	17.9	NS	NS	NS	NS	NS		NS				
	Monitoring event	P6	10/11/2016	525	22.5	5.77	689.2	683.4	7.13	1.64	-94.9	1.788	18.8	15.42	267	ND	ND	ND	71	ND	5.2 J	ND	140 J	ND	ND	ND	ND	1,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	81,000	ND	ND	1,500	ND	0.025 B	16.6	ND	ND	ND	0.35	0.32	817	254 HB	9,066	0.21 HF	16.8	ND	ND	ND	ND	ND		ND				
	Monitoring event	P7	1/25/2017	631	22.5	3.64	689.2	685.6	7.08	0.37	-118.3	1.228	13.9	9.5	146	ND	ND	ND	180	ND	4.8 J	ND	130 J	ND	ND	ND	ND	1,200 F1	ND	ND	ND	ND	ND	ND	14 J	ND	ND	ND	ND	ND	ND	ND	54,000	ND	ND	1,100	ND	0.011	6.4	ND	ND	ND	0.24	0.43	466	222 b	697	0.13 HF	6.5	ND	ND	ND	ND	ND		ND				
	Monitoring event	P8	4/10/2017	706	22.5	2.88	689.2	686.3	7.05	0.17	-136.3	1.115	15	13.9	172	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,200	ND	ND	ND	ND	ND	ND	39 J	ND	ND	ND	ND	ND	ND	ND	43,000	ND	ND	3,200	ND	0.0052	4	ND	ND	ND	0.2	0.44	649	331	620	ND	4	ND	ND	ND	ND	ND		ND				
	Monitoring event	P9	7/10/2017	797	22.5	4.1	689.2	685.1	7.85	0.35	-145	1.180	22.5	14.2	NS	ND	ND	ND	150	ND	ND	ND	190	ND	ND	ND	ND	850	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9	ND	ND	2,600	ND	0.011	6.6	1.9	ND	ND	0.099	0.27	713	978	695	ND	6.6	ND	ND	ND	ND	ND		ND				
	Monitoring event	P10	10/16/2017	895	22.5	4.55	689.2	684.6	7.09	0.41	-329.9	0.960	10.17	12.5	131	ND	ND	ND	51	ND	1.3	ND	63	ND	13	ND	ND	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.69	ND	ND	0.9	ND	39	ND	ND	11,000	ND	0.013	5.7	ND	0.029	ND	0.18	0.43	393	175	518	ND	5.7	ND	ND	ND	ND	ND		ND				
	Monitoring event	P11	1/4/2018	975	22.5	3.39	689.2	685.8	NA	NA	NA	NA	NA	NA	168 B	ND	ND	ND	32	ND	ND	ND	160	ND	ND	ND	ND	380	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27,000	ND	ND	16,000	0.086	0.026	19.1	ND	ND	0.034	0.050	0.014 J	78	ND	579	ND	19.1	282	ND	ND	ND	117		ND				

Well ID	Event / Description		Date	Elapsed Time (Days)	Well				Field Parameters							VOCs																											Dissolved Gasses				Wet Chemistry																				Q Potential (DNA)			
																																																																		Dechlorinating Bacteria	Functional Genes		
					Total Depth	Water Level Measurement	Top of Casing Elevation	Head Elevation	pH	Dissolved Oxygen	Oxidation Reduction Potential	Specific Conductance	Turbidity	Temperature	Carbon, Total Organic	1,1,1-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	2-Butanone (MEK)	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylcyclohexane	Methylene chloride	Methyl Acetate	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	Carbon Dioxide	Ethane	Ethene	Methane	Nitrate	Manganese	Ferric iron	Sulfate	Sulfide	Nitrite	Phosphorous	Ammonia	COD	BOD	Total Alkalinity	Ferrous Iron	Iron	Acetic Acid	Formic Acid	Lactic Acid	n-Butyric Acid	Propionic Acid	Chloride	Pyruvic Acid	Dehalococcoides spp (1)	TCE R-Dase (1)	BAV1 VC R-Dase (1)	VC R-Dase
					(feet)	(ft. ATOC)	(ft. AMSL)	(ft. AMSL)	(SU)	(mg/L)	(mV)	(mS/cm)	(NTUs)	(°C)	(mg/L)	(ug/L)																											(ug/L)				(mg/L)																				(cells / mL)			
MW-40D	Monitoring event	P12	4/10/2018	1071	22.5	2.68	689.2	686.5	7.96	0.36	-105.1	0.470	NA	10.13	48.5	20	ND	ND	400	ND	ND	ND	ND	ND	ND	ND	ND	970	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32,000	ND	ND	15,000	ND	0.007	3.1	ND	ND	ND	0.13	0.33 F1	139	95.1 b	325	0.38 HF	3.5	NS	NS	NS	NS	NS		NS	Not Sampled For These Parameters			
	Monitoring event	P13	7/10/2018	1162	22.5	3.81	689.2	685.4	7.11	0.38	-130.5	0.999	24.5	13.85	18.9B	ND	ND	ND	4.6 J	ND	ND	ND	29 J	ND	ND	ND	ND	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000	ND	ND	16,000	ND	0.017	12.6	ND	ND	ND	0.11	0.31	277 B	247 b	480 B	0.49 HF	13.1	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P14	10/18/2018	1262	22.5	11.3	689.2	677.9	7.48	0.30	-125.4	0.980	21.7	12.7	48.1	ND	ND	ND	ND	ND	ND	ND	35 J	ND	ND	ND	ND	1,100	890 F1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37,000	ND	ND	11,000	ND	0.016	13.5	ND	ND	ND	0.07	0.12	ND	>183.42	419 B	ND	13.5	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P15	1/7/2019	1343	22.5	4.7	689.2	684.5	7.34	0.38	-126.2	1.340	10.2	9.6	12.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100 F1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41,000	ND	ND	13,000	ND	0.030	8.3	ND	ND	ND	0.33	0.97	75.2	34.3 Hb	355 B	0.084 J HF	8.4	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P16	4/16/2019	1442	22.5	3.2	689.2	686.0	8.41	2.88	-230.9	0.892	68.46	9.2	4.8	ND	ND	ND	78	ND	ND	ND	ND	ND	ND	ND	ND	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,700	ND	ND	21,000	ND	0.0059 B	ND	ND	ND	ND	ND	0.24	ND	ND	345	ND	ND	NS	NS	NS	NS	NS	NS	NS				
	Monitoring event	P17	7/22/2019	1539	22.5	4.47	689.2	684.7	5.89	1.99	-80.7	3.058	0	13.4	1,850	ND	ND	ND	15 J	ND	ND	ND	340	ND	ND	ND	ND	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,800	ND	ND	16,000	0.05	0.33 B	18.0	9.8 J	ND	0.19 B	ND	ND	ND	ND	78	380 HF	398	NS	NS	NS	NS	NS	159	NS				
	Monitoring event	P18	10/18/2019	1627	22.5	1.7	689.2	687.5	5.75	0.15	-95.6	1.681	54.97	12.3	1460	ND	ND	ND	ND	ND	ND	36 J	750	ND	480	ND	ND	ND	ND	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120,000	ND	ND	14,000	ND	0.28 B	254	ND	8.0 J H	0.36 B	NS	0.2	NS	NS	1380	13.0 HF	267	NS	NS	NS	NS	NS	157	NS				
	Monitoring event	P19	1/8/2020	1709	22.5	2.91	689.2	686.3	6.13	0.43	-74.8	1.720	10.44	8.8	707	ND	ND	ND	ND	ND	ND	ND	110 J	ND	ND	ND	ND	950	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110,000	ND	ND	15,000	ND	0.120	136	ND	ND	0.072	NS	0.043	NS	NS	630	2.9 HF	139	NS	NS	NS	NS	NS	108	NS				
	Monitoring event	P20	4/16/2020	1808	22.5	3.0	689.2	686.2	6.36	0.79	123.5	0.961	46.2	6.73	365	ND	ND	ND	ND	ND	ND	ND	46J	ND	35J	ND	ND	510	ND	ND	ND	ND	ND	ND	5.0J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170,000	ND	0.056B	31	ND	ND	ND	NS	ND	NS	NS	398	2.5HF	33.5	NS	NS	NS	NS	NS	95.6	NS				
	Monitoring event	P21	10/12/2020	1987	22.5	5.52	689.2	683.7	7.05	0.31	-197.9	0.926	55.6	14.4	150	ND	ND	ND	ND	ND	ND	ND	53J	ND	ND	ND	ND	270	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61,000	ND	ND	14,000	0.027J	0.039	49.3	ND	ND	ND	NS	0.052	NS	NS	NS	0.62 HF	49.9	NS	NS	NS	NS	NS	128	NS				
	Monitoring event	P22	4/2/2021	2159	22.5	3.2	689.2	686.0	7.65	2.19	-186.4	0.581	13.6	9.2	166	ND	ND	ND	8.6	ND	ND	ND	ND	ND	ND	ND	ND	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42,000	ND	ND	21,000	0.035J	0.057B	30.6	ND	ND	ND	NS	0.022	NS	NS	NS	0.57HF	31.2	NS	NS	NS	NS	NS	91.2	NS				

Notes

ND	The compound was analyzed for but not detected at, or above, the reporting limit.
NS	Indicates parameter was not measured or analyzed.
J	Result is less than the RL but greater that or equal to the MDL and the concentration is an approximate value. F1 MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
b	Result detected in the unseeded control blank.
HF	Field parameter with a holding time of 15 minutes.
mg/L	Milligrams per liter, equivalent to parts per million.
ug/L	Micrograms per liter, equivalent to parts per billion.
ppb	Parts per billion
mL	Milliliter
SU	Standard Unit
mV	Millivolts
mS	Milli Siemens
°C	Degrees Celsius
ft.	Feet
ATOC	Above top of casing.
AMSL	Above mean sea level.
NTU	Nephelometric Turbidity Unit.
P1	Performance monitoring event.
BL	Baseline event

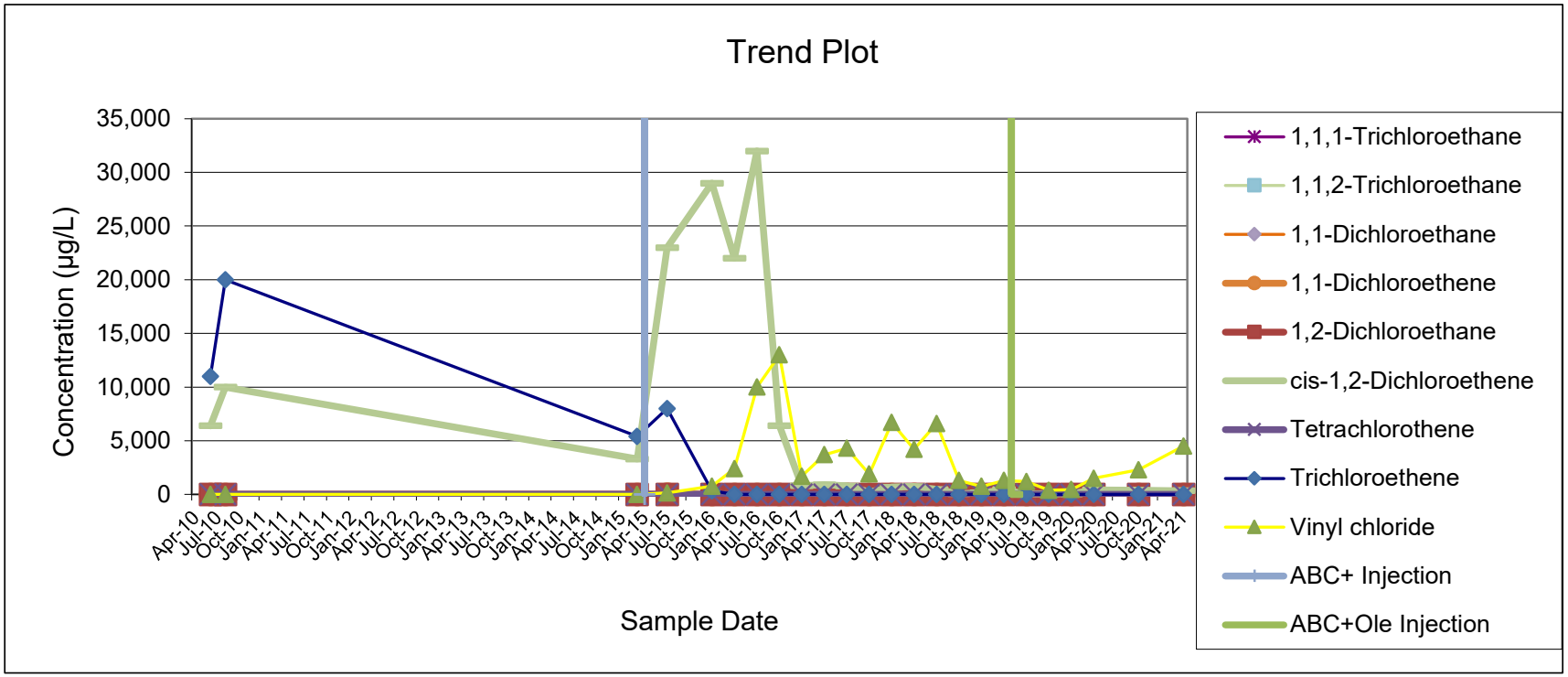
Appendix B

Former Scott Aviation Area 1
Summary of VOC's in Groundwater

MONITORING WELL A1-GP02S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/22/2010	ND	ND	ND	ND	ND	6,400	ND	11,000	ND
8/4/2010	ND	ND	ND	ND	ND	10,000	ND	20,000	ND
3/10/2015	ND	ND	ND	ND	ND	3,300	ND	5,400	ND
7/28/2015	ND	ND	ND	34	ND	23,000	ND	8,000	140
1/7/2016	ND	ND	ND	ND	ND	29,000	ND	330	770
4/8/2016	ND	ND	ND	ND	ND	22,000	ND	ND	2,400
7/11/2016	ND	ND	ND	ND	ND	32,000	ND	ND	10,000
10/10/2016	ND	ND	ND	ND	ND	6,400	ND	ND	13,000
1/23/2017	ND	ND	ND	ND	ND	810	ND	ND	1,700
4/11/2017	ND	ND	ND	ND	ND	900	ND	ND	3,700
7/6/2017	ND	ND	ND	ND	ND	790	ND	ND	4,300
10/17/2017	ND	ND	ND	ND	ND	230	ND	ND	1,900
1/5/2018	ND	ND	ND	ND	ND	680	ND	ND	6,700
4/12/2018	ND	ND	ND	ND	ND	730	ND	ND	4,200
7/9/2018	ND	ND	ND	ND	ND	460	ND	ND	6,600
10/18/2018	ND	ND	ND	ND	ND	74	ND	ND	1,300
1/2/2019	ND	ND	ND	ND	ND	150	ND	ND	750
4/18/2019	ND	ND	ND	ND	ND	450	ND	ND	1,300
7/25/2019	ND	ND	ND	ND	ND	46	ND	ND	1,200
10/14/2019	ND	ND	ND	ND	ND	44	ND	ND	390
1/7/2020	ND	ND	ND	ND	ND	64	ND	ND	450
4/13/2020	ND	ND	ND	ND	ND	420	ND	ND	1,500
10/12/2020	ND	ND	ND	ND	ND	390	ND	ND	2,300
4/1/2021	ND	ND	ND	ND	ND	340	ND	ND	4,500

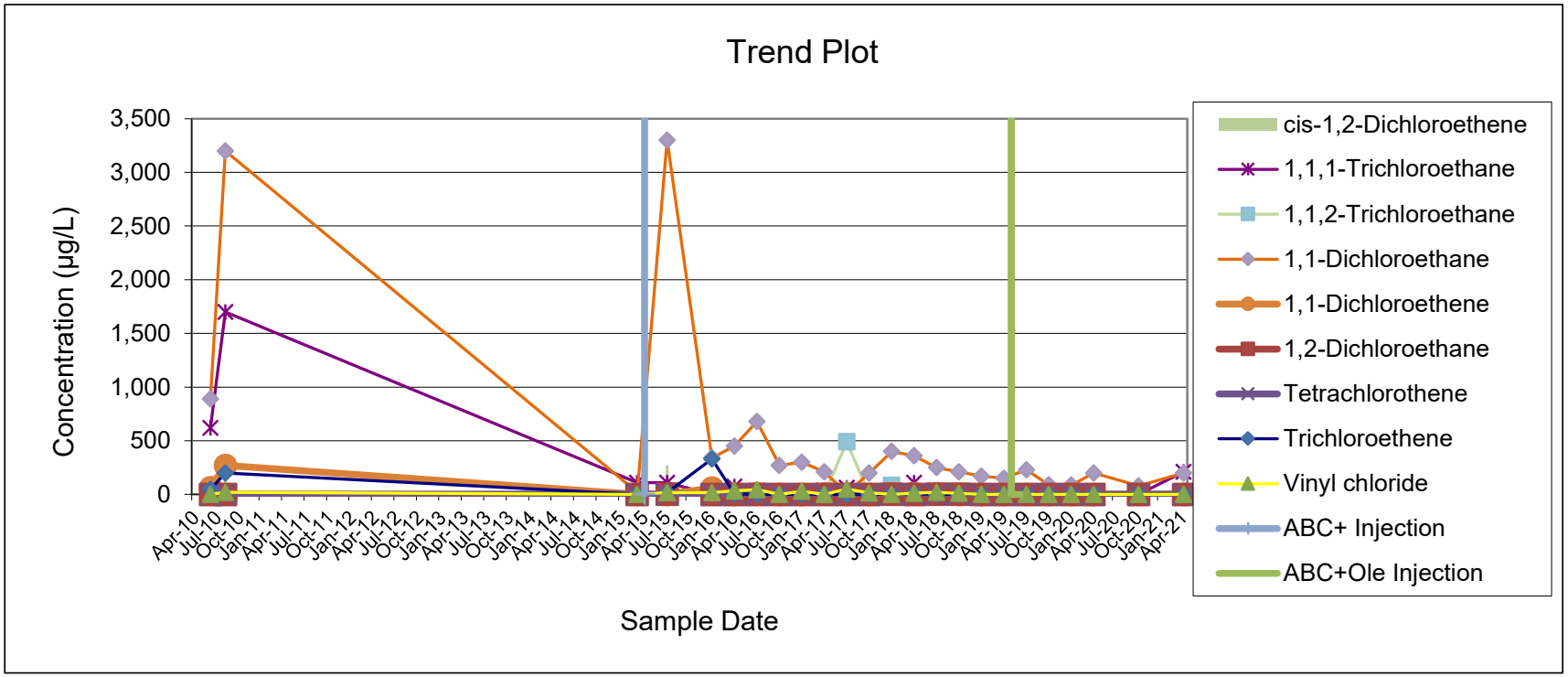
MONITORING WELL A1-GP02S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL A1-GP06S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)								
Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/21/2010	620	ND	890	63	ND	32	ND	46	ND
8/4/2010	1,700	16	3,200	270	ND	130	ND	200	20
3/11/2015	110	ND	21	ND	ND	ND	ND	0.81	ND
7/27/2015	110	4.1	3,300	0.89	3.1	270	ND	18	16
1/7/2016	ND	ND	340	60	ND	25	ND	330	16
4/8/2016	73	ND	450	ND	ND	ND	ND	5.4	33
7/12/2016	35	ND	680	7.8	ND	ND	ND	ND	44
10/10/2016	ND	ND	270	ND	ND	ND	ND	ND	ND
1/24/2017	24	ND	300	ND	ND	ND	ND	ND	29
4/11/2017	34	ND	210	6.2	ND	ND	ND	ND	ND
7/6/2017	63	490	13	ND	ND	16	ND	ND	50
10/18/2017	ND	ND	200	ND	ND	ND	ND	ND	14
1/5/2018	44	84	400	3.7	2.1	ND	ND	ND	ND
4/10/2018	110	ND	360	6.8	ND	8	ND	7.2	11
7/9/2018	18	ND	250	4.1	2.6	ND	ND	ND	20
10/19/2018	15	ND	210	ND	3.3	ND	ND	ND	9.9
1/4/2019	21	ND	170	ND	ND	ND	ND	ND	ND
4/10/2019	23	ND	150	ND	ND	ND	ND	ND	ND
7/22/2019	22	ND	230	ND	ND	ND	ND	ND	ND
10/14/2019	ND	ND	89	ND	ND	ND	ND	ND	ND
1/7/2020	ND	ND	86	ND	ND	ND	ND	ND	ND
4/13/2020	ND	ND	200	ND	ND	ND	ND	ND	ND
10/8/2020	ND	ND	80	ND	ND	ND	ND	ND	ND
4/1/2021	210	ND	200	ND	ND	ND	ND	ND	ND

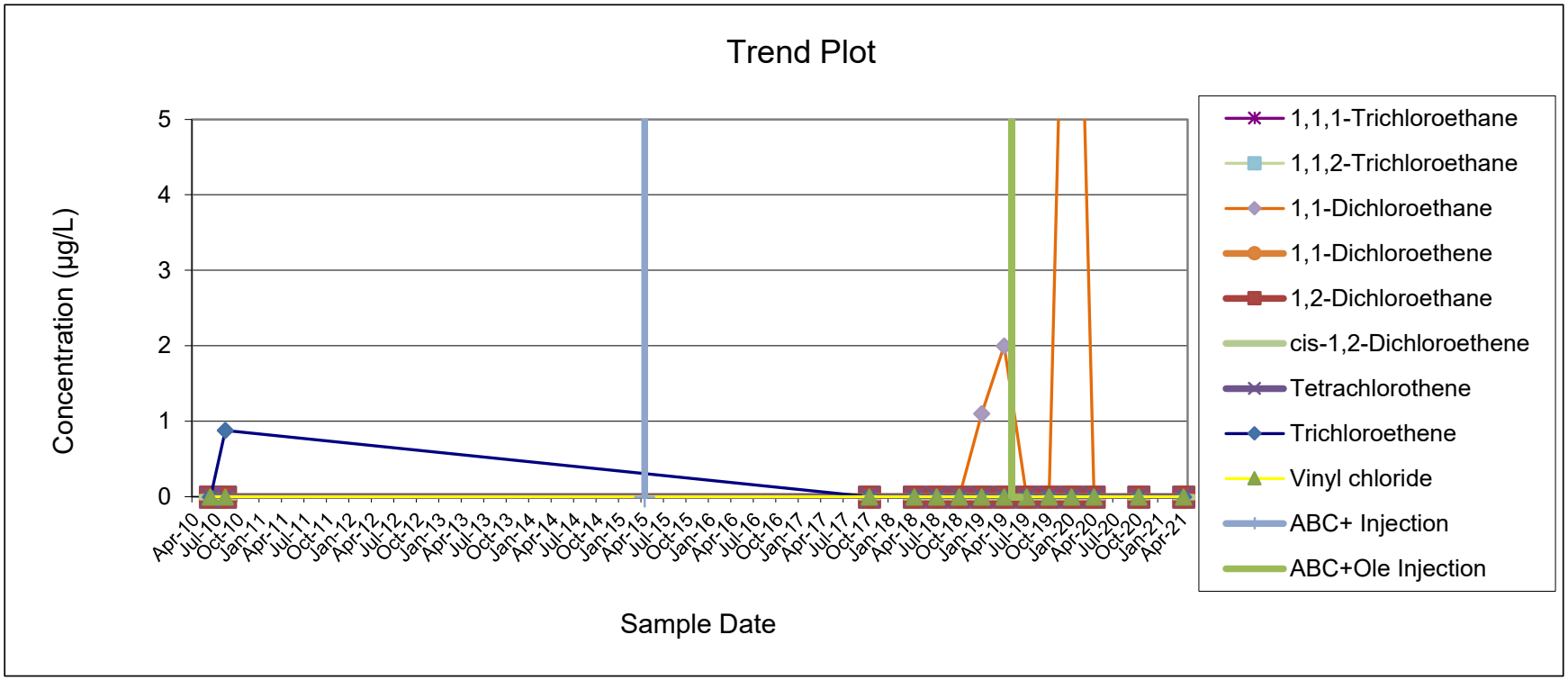
MONITORING WELL A1-GP06S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL A1-GP09S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/22/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/3/2010	ND	ND	ND	ND	ND	ND	ND	0.88	ND
10/18/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/3/2019	ND	ND	1.1	ND	ND	ND	ND	ND	ND
4/17/2019	ND	ND	2.0	ND	ND	ND	ND	ND	ND
7/25/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2020	ND	ND	12.0	ND	ND	ND	ND	ND	ND
4/13/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/9/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/1/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

MONITORING WELL A1-GP09S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL A1-GP10S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

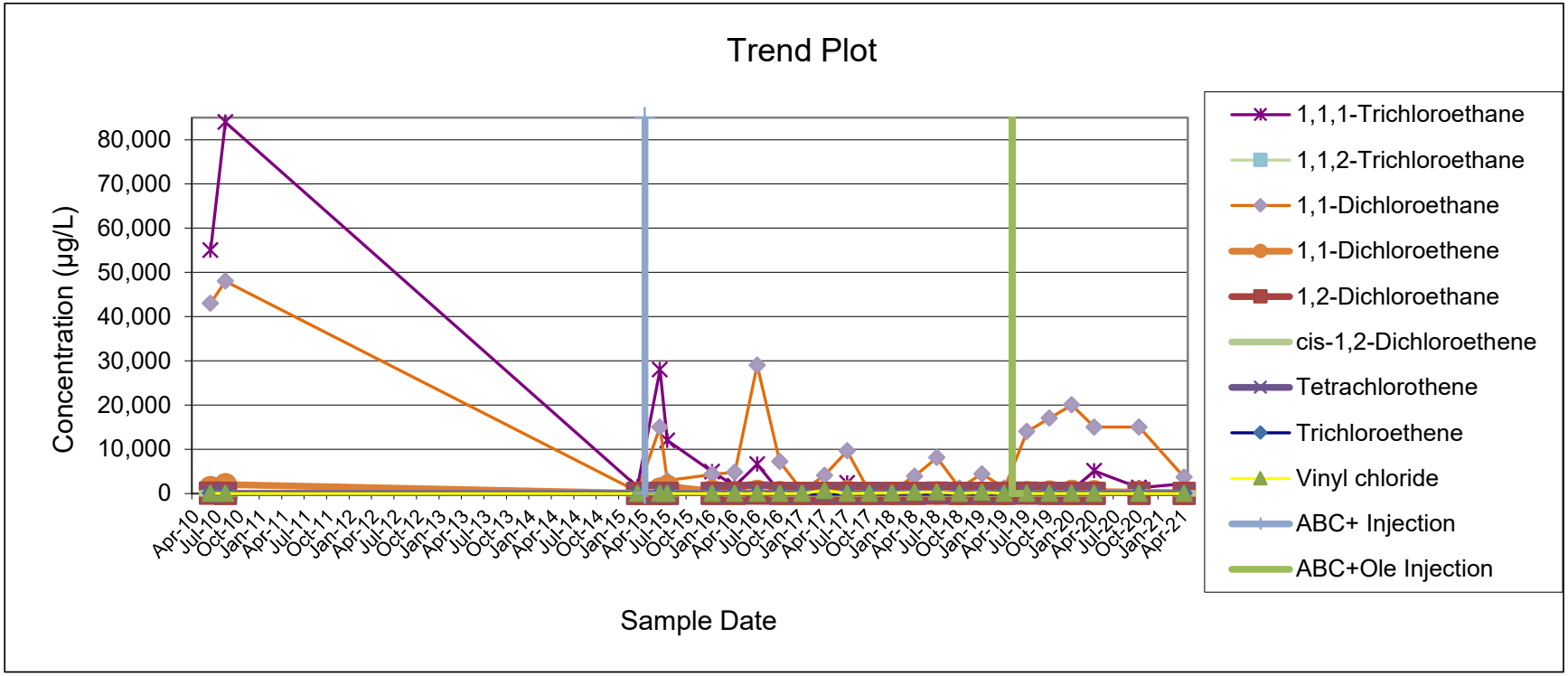
	Analytical Results (µg/L)								
Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/21/2010	55,000	84	43,000	1,300	77	ND	1.2	92	41
8/3/2010	84,000	ND	48,000	2,000	ND	ND	ND	ND	ND
3/11/2015	1,500	1.2	440	65	1.6	7.4	ND	6.6	ND
6/12/2015	28,000	ND	15,000	1,000	40	190	ND	ND	ND
7/27/2015	12,000	ND	2,900	1,600	9.6	45	ND	36	ND
1/7/2016	4,900	ND	4,300	470	ND	51	ND	ND	ND
4/8/2016	1,700	ND	4,800	220	ND	ND	ND	ND	ND
7/11/2016	6,600	ND	29,000	500	72	270	ND	ND	ND
10/7/2016	360	ND	7,200	190	47	ND	ND	ND	ND
1/23/2017	ND	ND	580	ND	ND	ND	ND	ND	ND
4/10/2017	240	ND	4,100	45	ND	ND	ND	ND	690
7/6/2017	2,400	ND	9,600	380	ND	ND	ND	ND	ND
10/17/2017	23	ND	240	4	1.4	0.5	ND	0.47	45
1/4/2018	44	ND	600	ND	11	ND	ND	ND	85
4/10/2018	140	ND	3,900	19	18	ND	ND	ND	260
7/9/2018	530	ND	8,100	51	77	ND	ND	ND	320
10/19/2018	640	ND	1,200	ND	ND	ND	ND	ND	ND
1/4/2019	200	ND	4,400	91	ND	ND	ND	ND	260
4/15/2019	ND	ND	1,200	ND	ND	ND	ND	ND	ND
7/22/2019	690	ND	14,000	130	78	ND	ND	ND	ND
10/14/2019	780	ND	17,000	310	ND	ND	ND	ND	ND
1/7/2020	730	ND	20,000	480	ND	ND	ND	ND	ND
4/13/2020	5,100	ND	15,000	400	44	ND	ND	ND	ND
10/8/2020	1,300	ND	15,000	270	ND	170	ND	ND	ND
4/1/2021	2,200	ND	3,700	200	ND	ND	ND	ND	ND

MONITORING WELL A1-GP10S

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

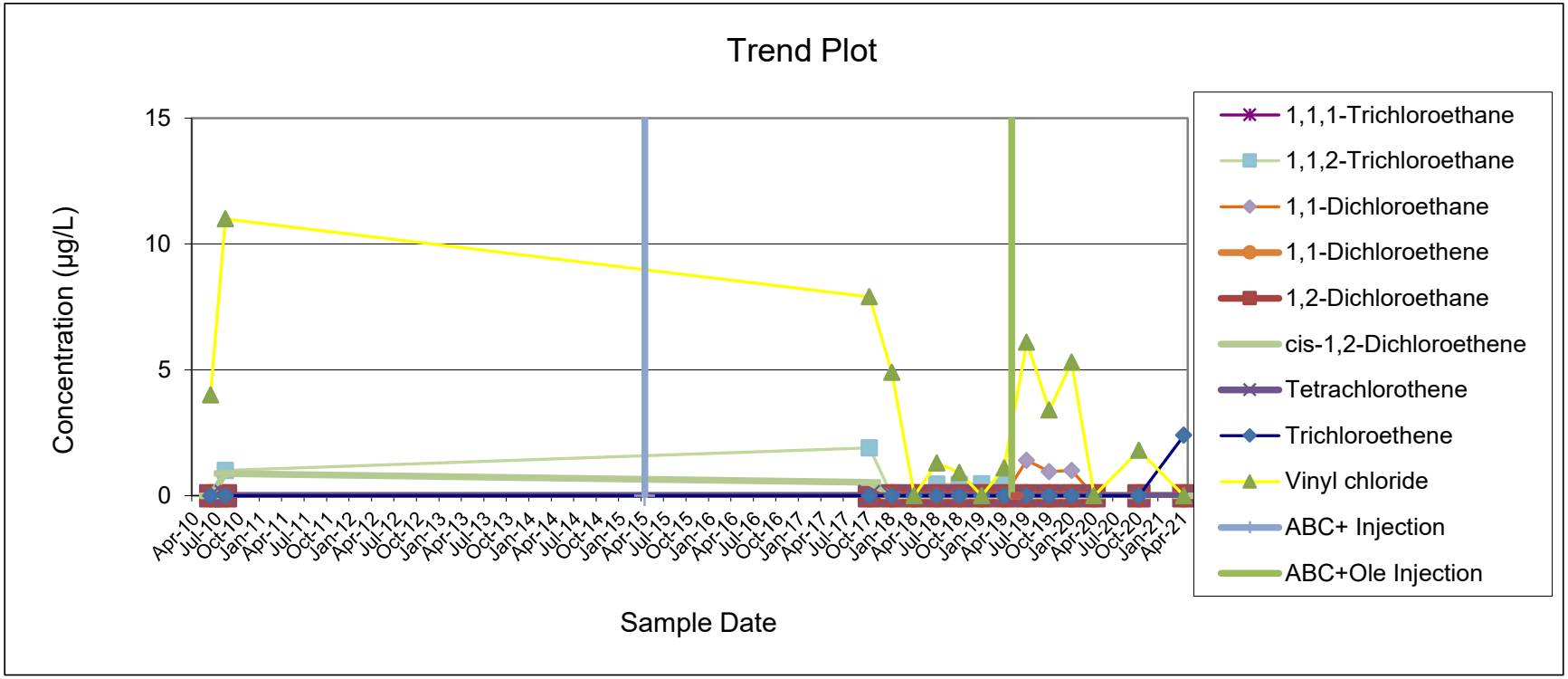
Lancaster, New York



MONITORING WELL A1-GP14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/21/2010	ND	ND	ND	ND	ND	ND	ND	ND	4.0
8/3/2010	ND	1.0	ND	ND	ND	0.88	ND	ND	11.0
10/17/2017	ND	1.9	ND	ND	ND	0.53	ND	ND	7.9
1/4/2018	ND	ND	ND	ND	ND	ND	ND	ND	4.9
4/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/9/2018	ND	0.46	ND	ND	ND	ND	ND	ND	1.3
10/23/2018	ND	0.44	ND	ND	ND	ND	ND	ND	0.9
1/2/2019	ND	0.47	ND	ND	ND	ND	ND	ND	ND
4/15/2019	ND	0.54	ND	ND	ND	ND	ND	ND	1.1
7/23/2019	ND	ND	1.4	ND	ND	ND	ND	ND	6.1
10/15/2019	ND	ND	1.0	ND	ND	ND	ND	ND	3.4
1/7/2020	ND	ND	1.0	ND	ND	ND	ND	ND	5.3
4/13/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	1.8
4/1/2021	ND	ND	ND	ND	ND	ND	ND	2.4	ND

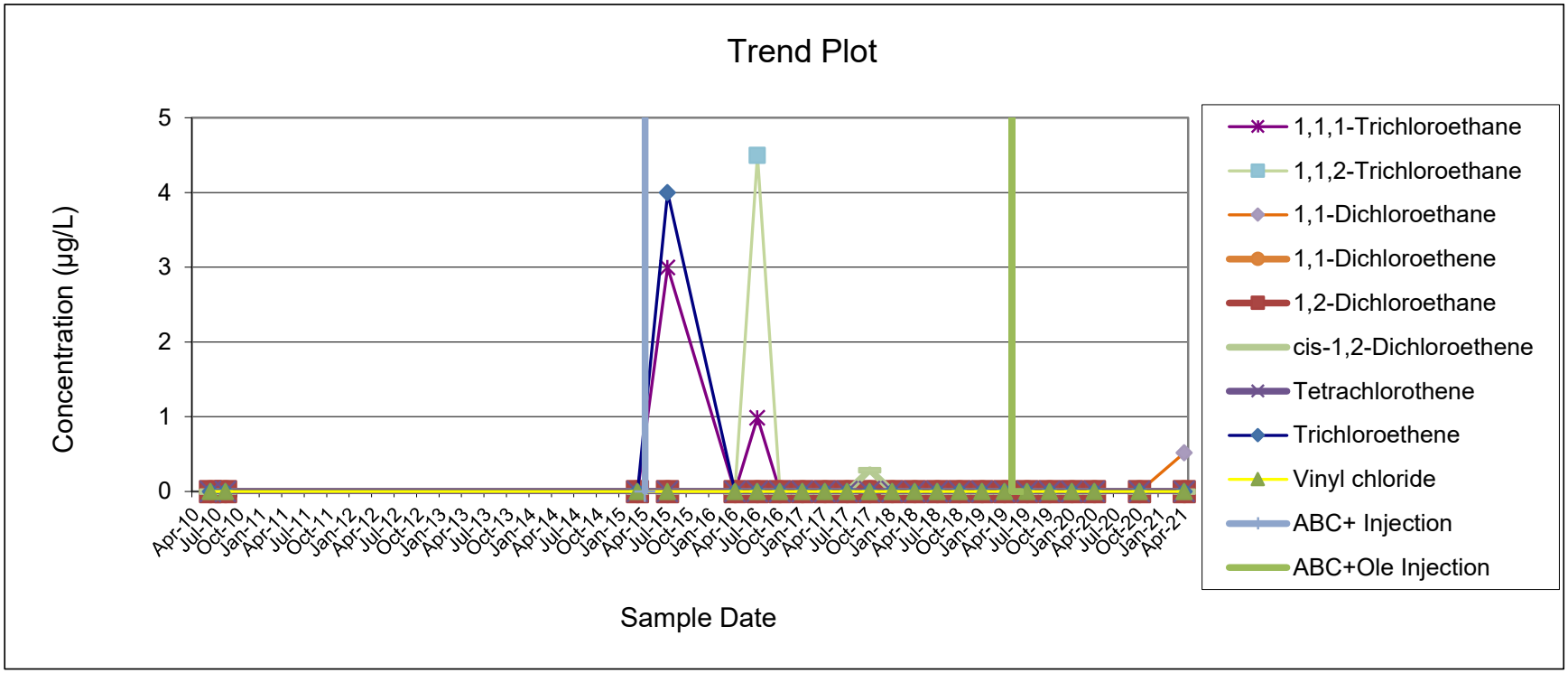
MONITORING WELL A1-GP14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL A1-GP15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/17/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/2/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
3/11/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/29/2015	3.0	ND	ND	ND	ND	ND	ND	4.0	ND
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/11/2016	0.99	4.5	ND	ND	ND	ND	ND	ND	ND
10/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2017	ND	ND	ND	ND	ND	0.29	ND	ND	ND
1/2/2018	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/9/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/2/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/10/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/13/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/1/2021	ND	ND	0.52	ND	ND	ND	ND	ND	ND

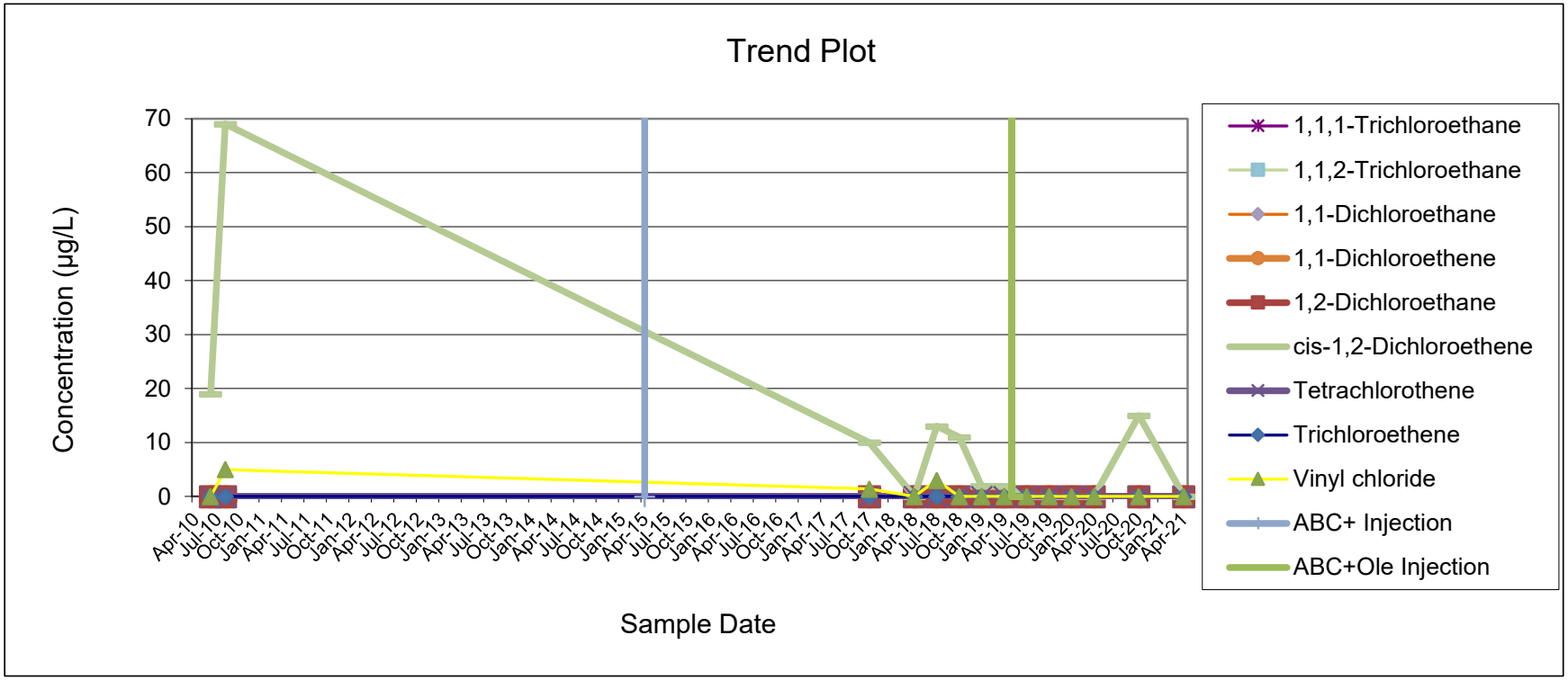
MONITORING WELL A1-GP15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL A1-GP16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Tetrachlorothene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
6/17/2010	ND	ND	ND	ND	ND	ND	19	ND	ND
8/2/2010	ND	ND	ND	ND	ND	ND	69	ND	5.0
10/17/2017	ND	ND	0.27	ND	ND	ND	10	ND	1.4
4/9/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/10/2018	ND	ND	0.38	ND	ND	ND	13	ND	3.0
10/2/2018	ND	ND	ND	ND	ND	ND	11	ND	ND
1/3/2019	ND	ND	ND	ND	ND	ND	1.9	ND	ND
4/17/2019	ND	ND	ND	ND	ND	ND	1.9	ND	ND
7/26/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/15/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/8/2020	ND	ND	ND	ND	ND	ND	15	ND	ND
4/1/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

MONITORING WELL A1-GP16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

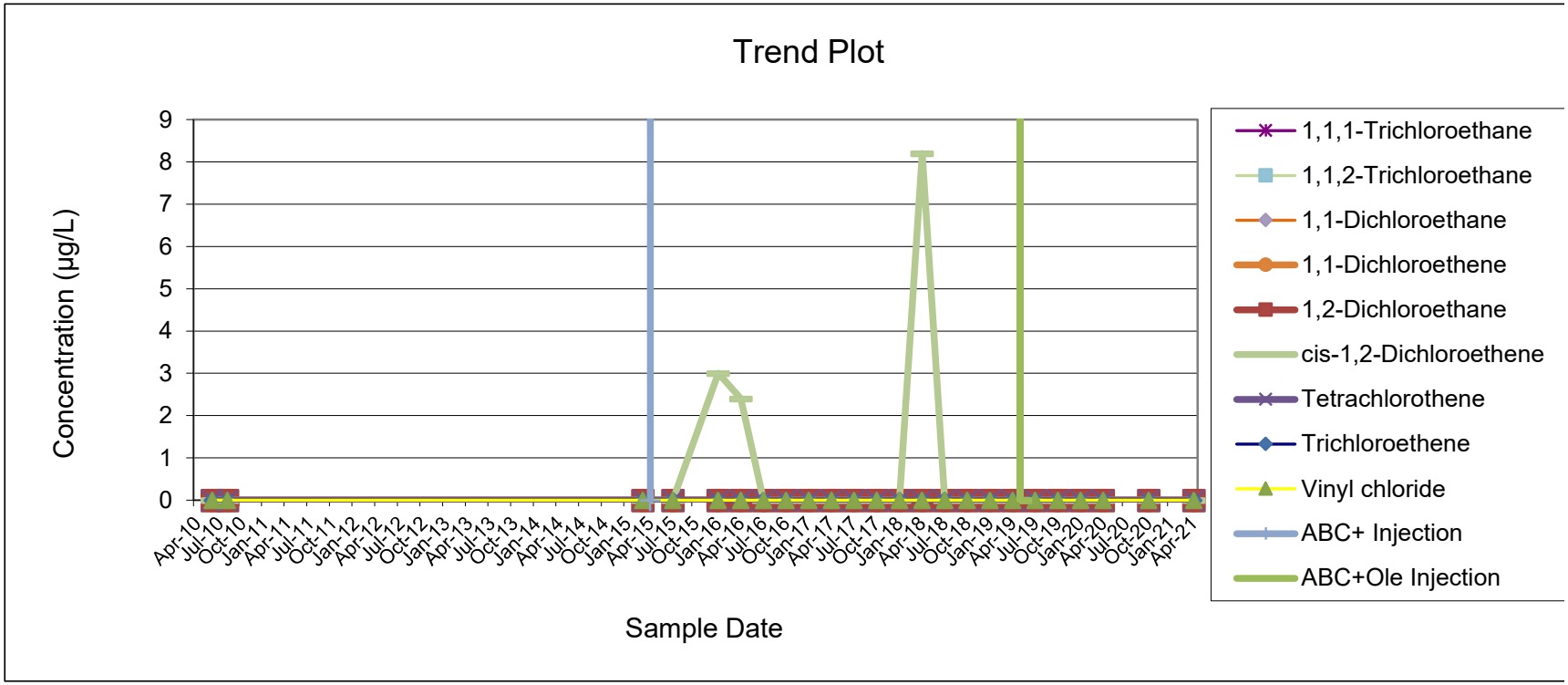


MONITORING WELL A1-GP18S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Tetrachlorothene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
6/18/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/2/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
3/11/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/27/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2016	ND	ND	ND	ND	ND	ND	3.0	ND	ND
4/8/2016	ND	ND	ND	ND	ND	ND	2.4	ND	ND
7/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/10/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/5/2018	NA	NA	NA	NA	NA	NA	ND	NA	NA
4/9/2018	ND	ND	ND	ND	ND	ND	8.2	ND	ND
7/9/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/4/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/22/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/13/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/1/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

NA - Not available

MONITORING WELL A1-GP18S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-30
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

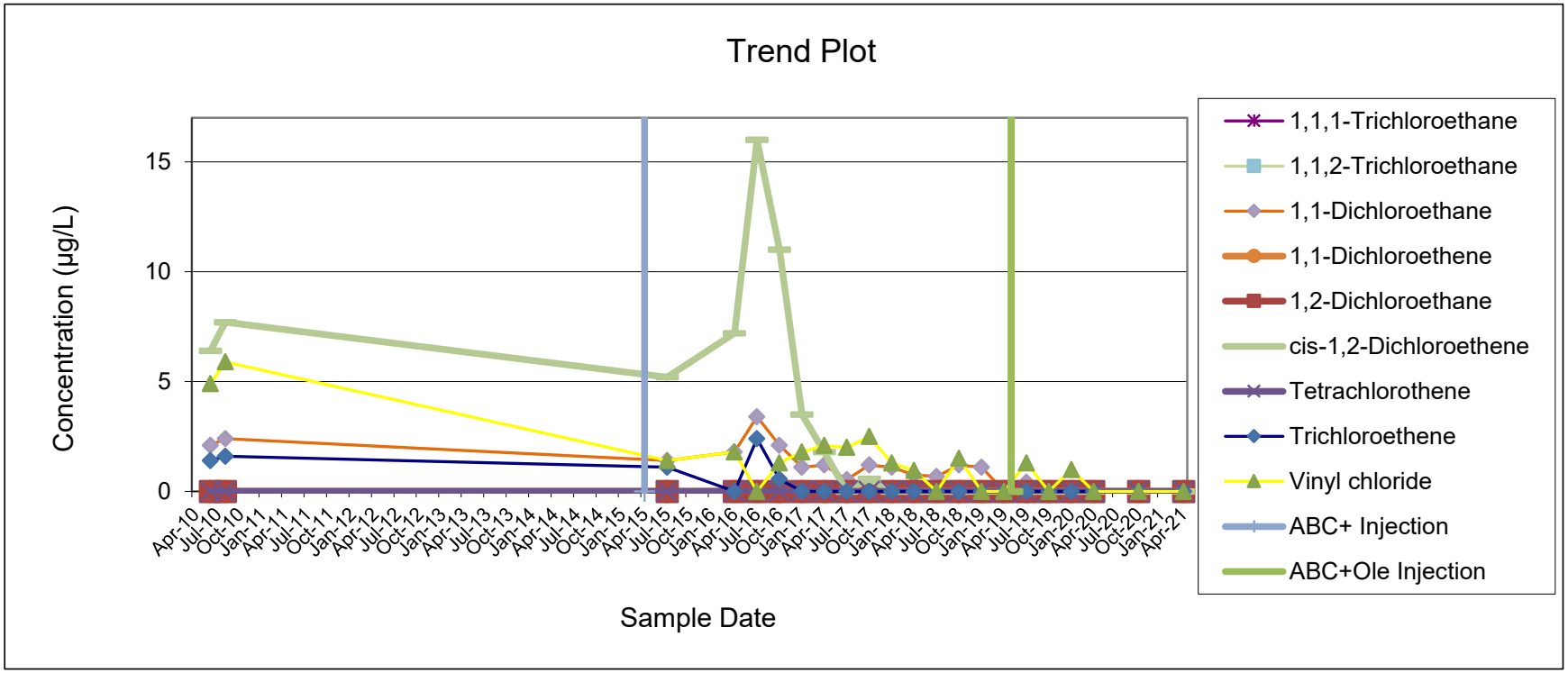
Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/18/2010	ND	ND	2.1	ND	ND	6.4	ND	1.4	4.9
8/3/2010	ND	ND	2.4	ND	ND	7.7	ND	1.6	5.9
7/29/2015	ND	ND	1.4	ND	ND	5.2	ND	1.1	1.4
4/8/2016	ND	ND	1.8	ND	ND	7.2	ND	ND	1.8
7/14/2016	ND	ND	3.4	ND	ND	16	ND	2.4	ND
10/11/2016	ND	ND	2.1	ND	ND	11	ND	0.56	1.3
1/25/2017	ND	ND	1.1	ND	ND	3.5	ND	ND	1.8
4/12/2017	ND	ND	1.2	ND	ND	1.8	ND	ND	2.1
7/7/2017	ND	ND	0.54	ND	ND	ND	ND	ND	2.0
10/19/2017	ND	ND	1.2	ND	ND	0.6	ND	ND	2.5
1/2/2018	ND	ND	1.1	ND	ND	ND	ND	ND	1.3
4/11/2018	ND	ND	0.75	ND	ND	ND	ND	ND	0.95
7/11/2018	ND	ND	0.68	ND	ND	ND	ND	ND	ND
10/23/2018	ND	ND	1.20	ND	ND	ND	ND	ND	1.50
1/8/2019	ND	ND	1.10	ND	ND	ND	ND	ND	ND
4/11/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/26/2019	ND	ND	0.42	ND	ND	ND	ND	ND	1.30
10/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	1.00
4/15/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

MONITORING WELL MW-30

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



MONITORING WELL MW-35S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

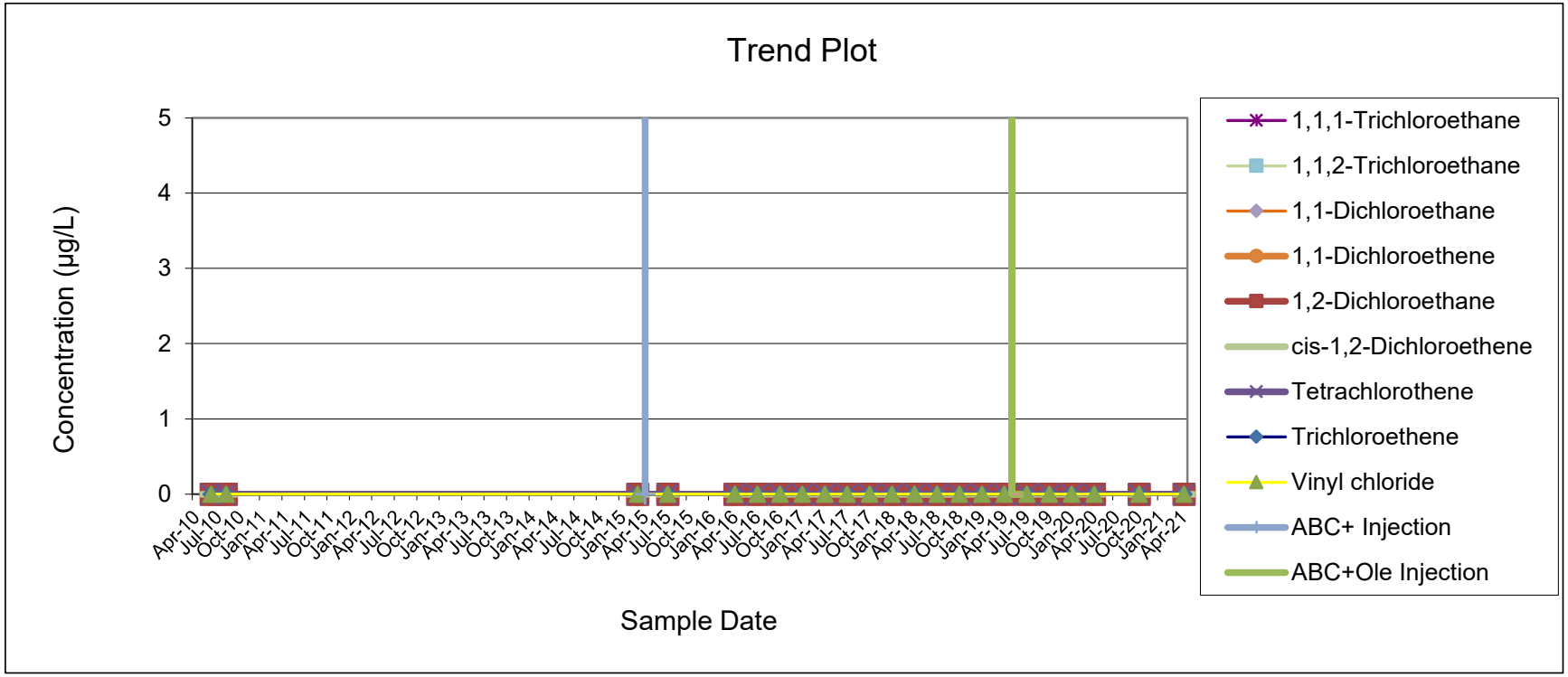
Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Tetrachlorothene	cis-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
6/17/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/2/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
3/11/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/28/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/10/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/7/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/4/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/14/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/6/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

MONITORING WELL MW-35S

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

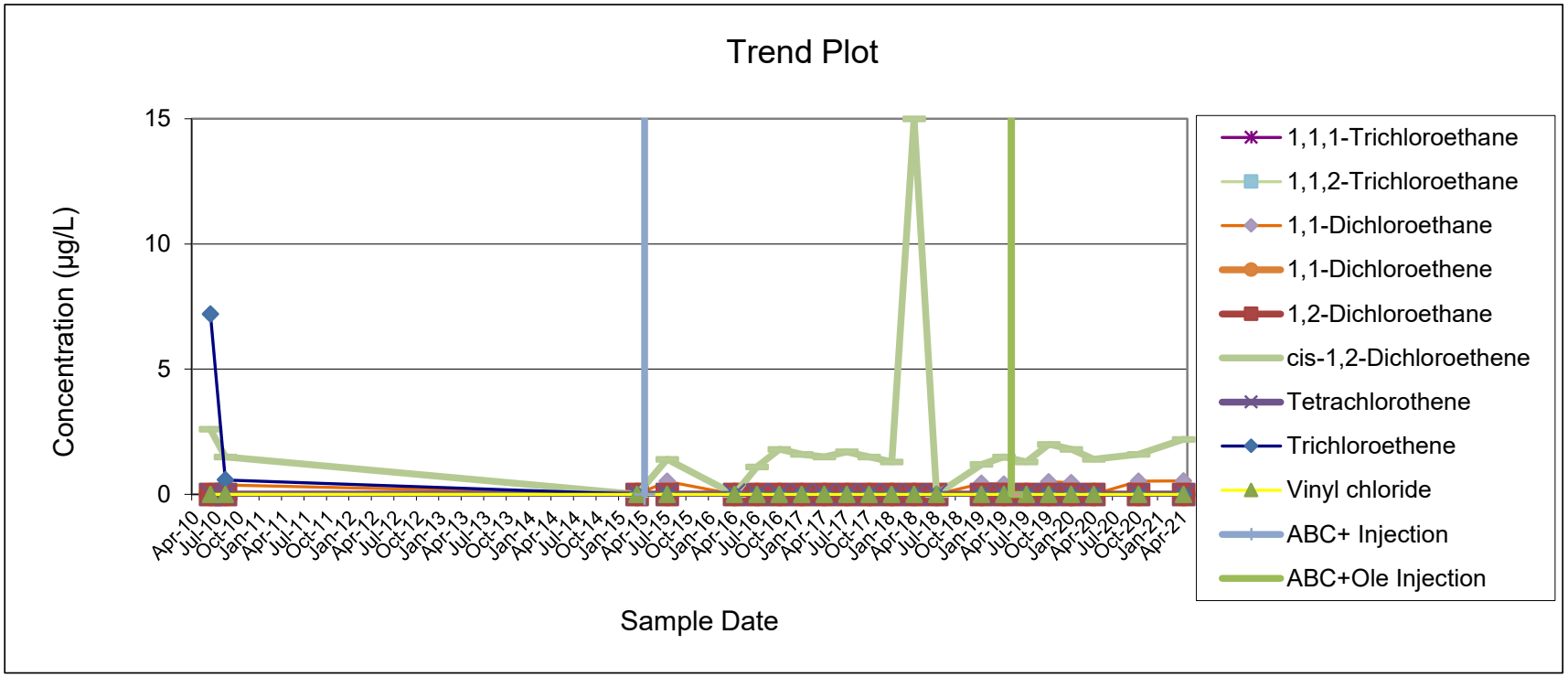
Lancaster, New York



MONITORING WELL MW-36S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/17/2010	ND	ND	ND	ND	ND	2.6	ND	7.2	ND
8/3/2010	ND	ND	0.38	ND	ND	1.5	ND	0.58	ND
3/10/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/29/2015	ND	ND	0.52	ND	ND	1.4	ND	ND	ND
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/11/2016	ND	ND	ND	ND	ND	1.1	ND	ND	ND
10/12/2016	ND	ND	ND	ND	ND	1.8	ND	ND	ND
1/24/2017	ND	ND	ND	ND	ND	1.6	ND	ND	ND
4/12/2017	ND	ND	ND	ND	ND	1.5	ND	ND	ND
7/6/2017	ND	ND	ND	ND	ND	1.7	ND	ND	ND
10/17/2017	ND	ND	ND	ND	ND	1.5	ND	ND	ND
1/4/2018	ND	ND	ND	ND	ND	1.3	ND	ND	ND
4/9/2018	ND	ND	ND	ND	ND	15	ND	ND	ND
7/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2019	ND	ND	0.44	ND	ND	1.2	ND	ND	ND
4/16/2019	ND	ND	0.41	ND	ND	1.5	ND	ND	ND
7/25/2019	ND	ND	ND	ND	ND	1.3	ND	ND	ND
10/18/2019	ND	ND	0.50	ND	ND	2.0	ND	ND	ND
1/8/2020	ND	ND	0.47	ND	ND	1.8	ND	ND	ND
4/16/2020	ND	ND	0.40J	ND	ND	1.4	ND	ND	ND
10/9/2020	ND	ND	0.53	ND	ND	1.6	ND	ND	ND
4/6/2021	ND	ND	0.54	ND	ND	2.2	ND	ND	ND

MONITORING WELL MW-36S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-42S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

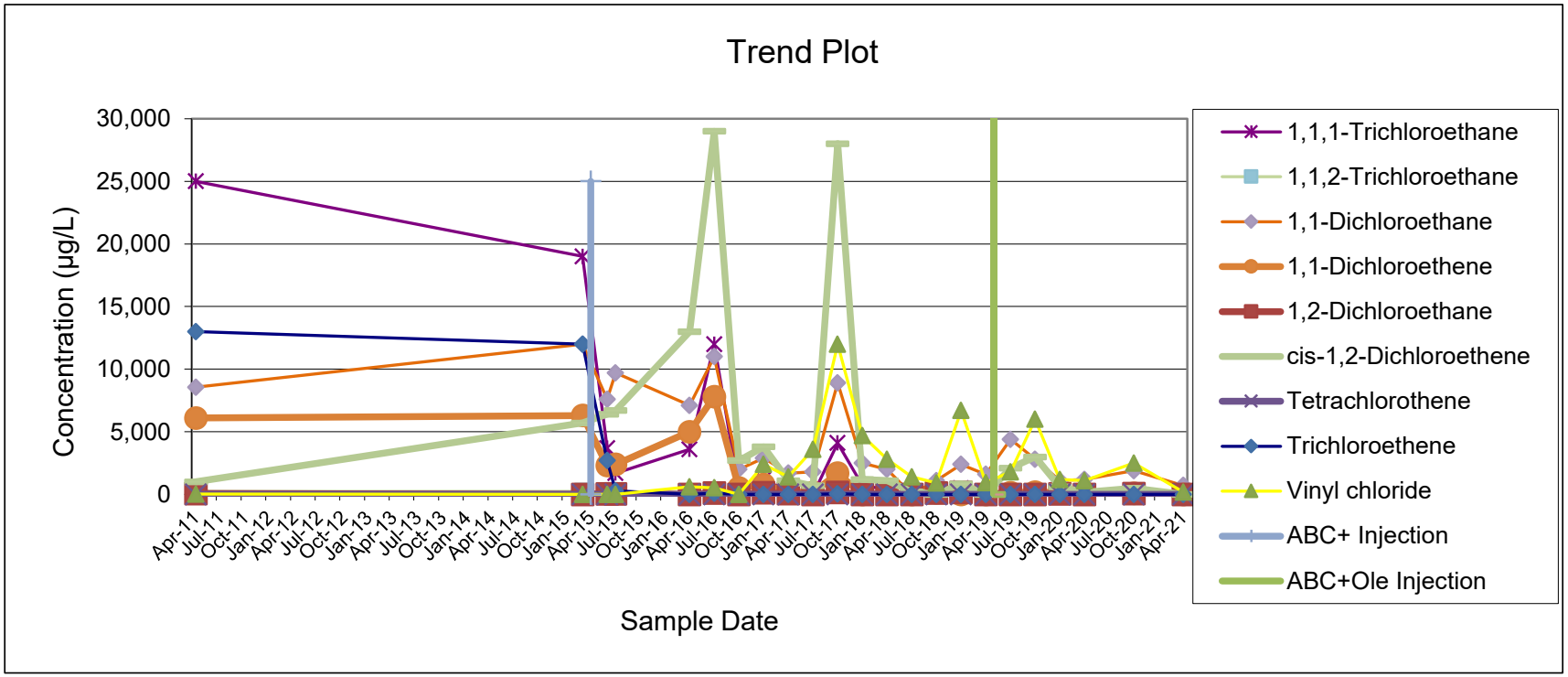
	Analytical Results (µg/L)								
Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
4/7/2011	25,000	240	8,550	6,100	76	1,000	6	13,000	27
3/12/2015	19,000	240	12,000	6,300	ND	5,700	ND	12,000	ND
6/12/2015	3,700	100	7,600	2,300	44	6,400	ND	2,700	ND
7/27/2015	1,700	71	9,700	2,400	44	6,700	ND	280	ND
4/8/2016	3,600	ND	7,100	5,000	ND	13,000	ND	ND	610
7/14/2016	12,000	120	11,000	7,800	110	29,000	ND	100	530
10/13/2016	440	ND	2,000	520	ND	2,700	ND	ND	ND
1/25/2017	1,200	ND	2,900	790	130	3,800	ND	ND	2,400
4/12/2017	230	ND	1,700	220	74	1,100	ND	ND	1,400
7/10/2017	ND	ND	1,800	150	ND	690	ND	ND	3,600
10/19/2017	4,100	48	8,900	1,700	170	28,000	ND	54	12,000
1/2/2018	740	ND	2,500	ND	ND	1,200	ND	ND	4,700
4/11/2018	390	ND	2,000	120	ND	1,100	ND	ND	2,800
7/12/2018	ND	ND	ND	ND	ND	210	ND	ND	1,400
10/23/2018	ND	ND	1,100	130	110	ND	ND	ND	910
1/8/2019	490	ND	2,400	ND	160	850	ND	ND	6,700
4/18/2019	ND	ND	1,600	ND	ND	ND	ND	ND	940
7/26/2019	ND	ND	4,400	140	ND	2,100	ND	ND	1,800
10/18/2019	ND	ND	2,800	190	ND	3,000	ND	ND	6,000
1/10/2020	160	390	1,100	150	43	610	ND	ND	1,200
4/16/2020	200	ND	1,200	130	58J	160	ND	ND	1,100
10/12/2020	160	ND	1,900	99	76	490	ND	ND	2,500
4/1/2021	ND	ND	710	ND	ND	ND	ND	ND	190

MONITORING WELL MW-42S

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

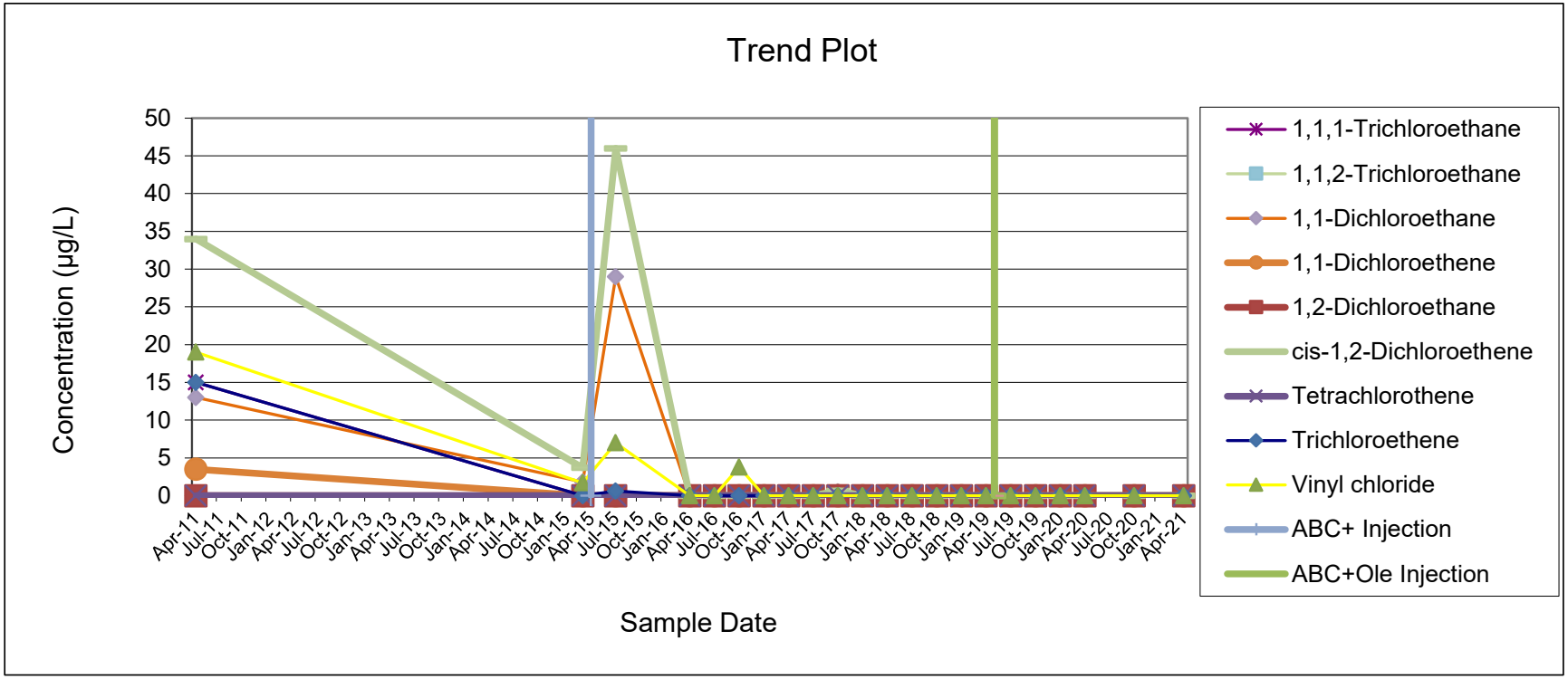
Lancaster, New York



MONITORING WELL MW-43S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

	Analytical Results (µg/L)								
Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
4/7/2011	15	ND	13	3.5	ND	34	ND	15	19
3/12/2015	ND	ND	1.8	ND	ND	3.7	ND	ND	1.7
7/29/2015	ND	ND	29	ND	ND	46	ND	0.60	7
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	3.8
1/25/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/10/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2017	ND	ND	0.48	ND	ND	0.6	ND	ND	ND
1/2/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/12/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/26/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/14/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/1/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

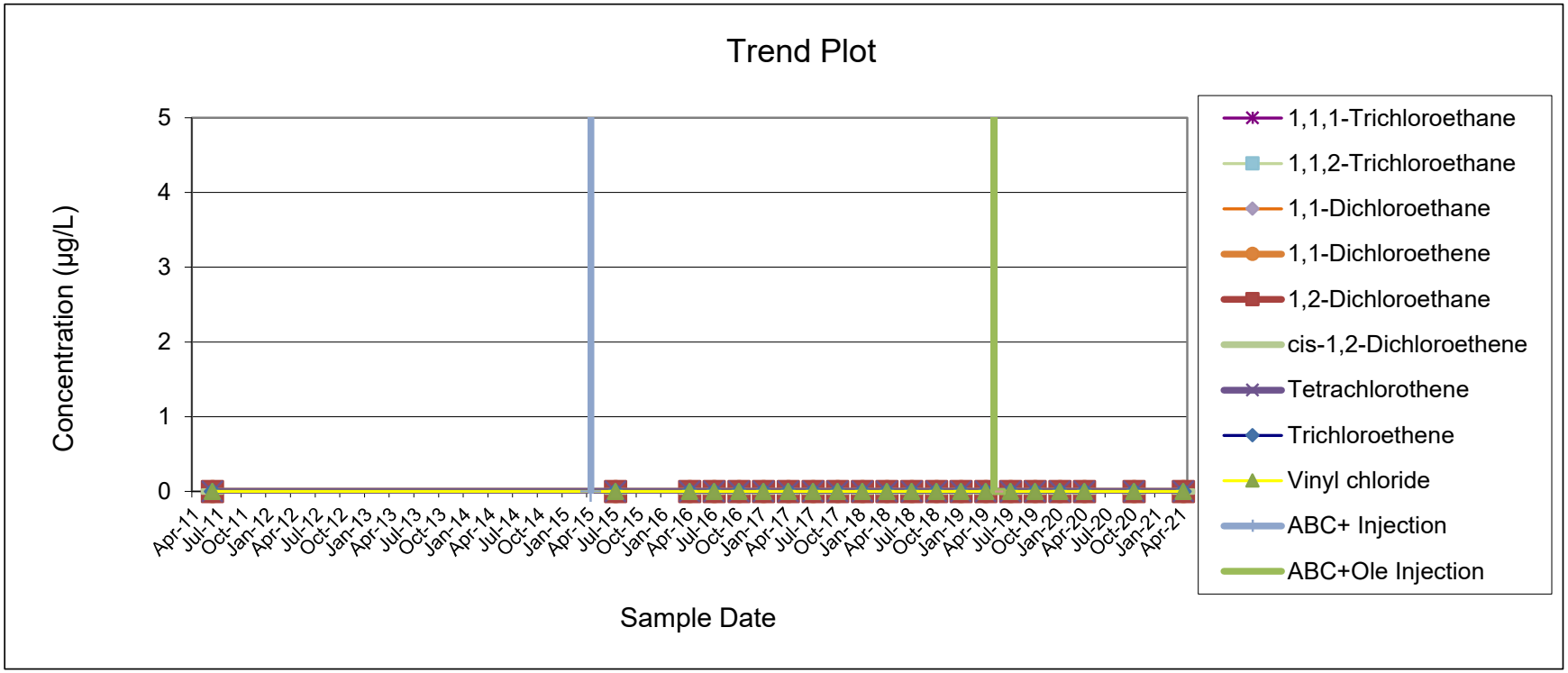
MONITORING WELL MW-43S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-44S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/1/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/29/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/25/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/7/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/10/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/2/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/12/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/26/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/14/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/1/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

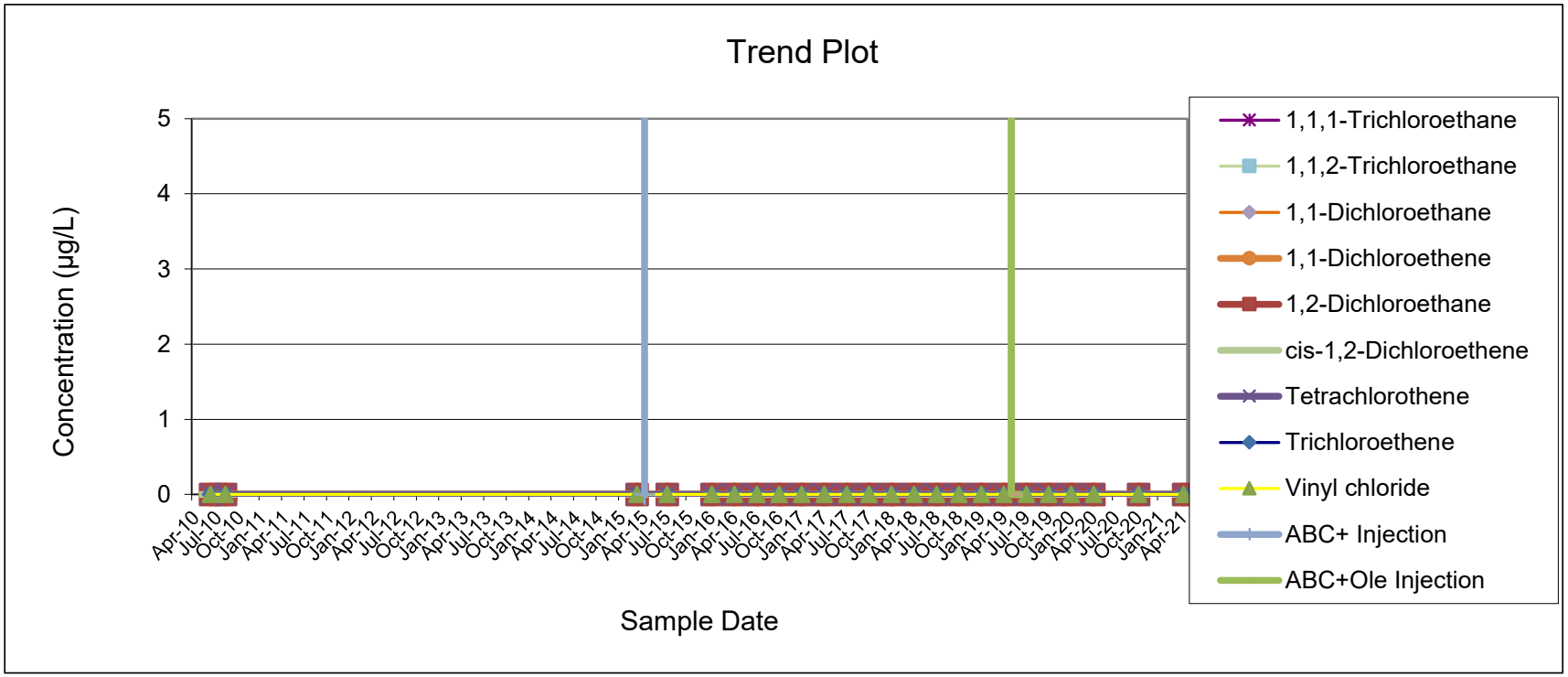
MONITORING WELL MW-44S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-35D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/17/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/2/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
3/12/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/28/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/12/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/24/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/10/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/7/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/3/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/9/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/4/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/22/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/14/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/6/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

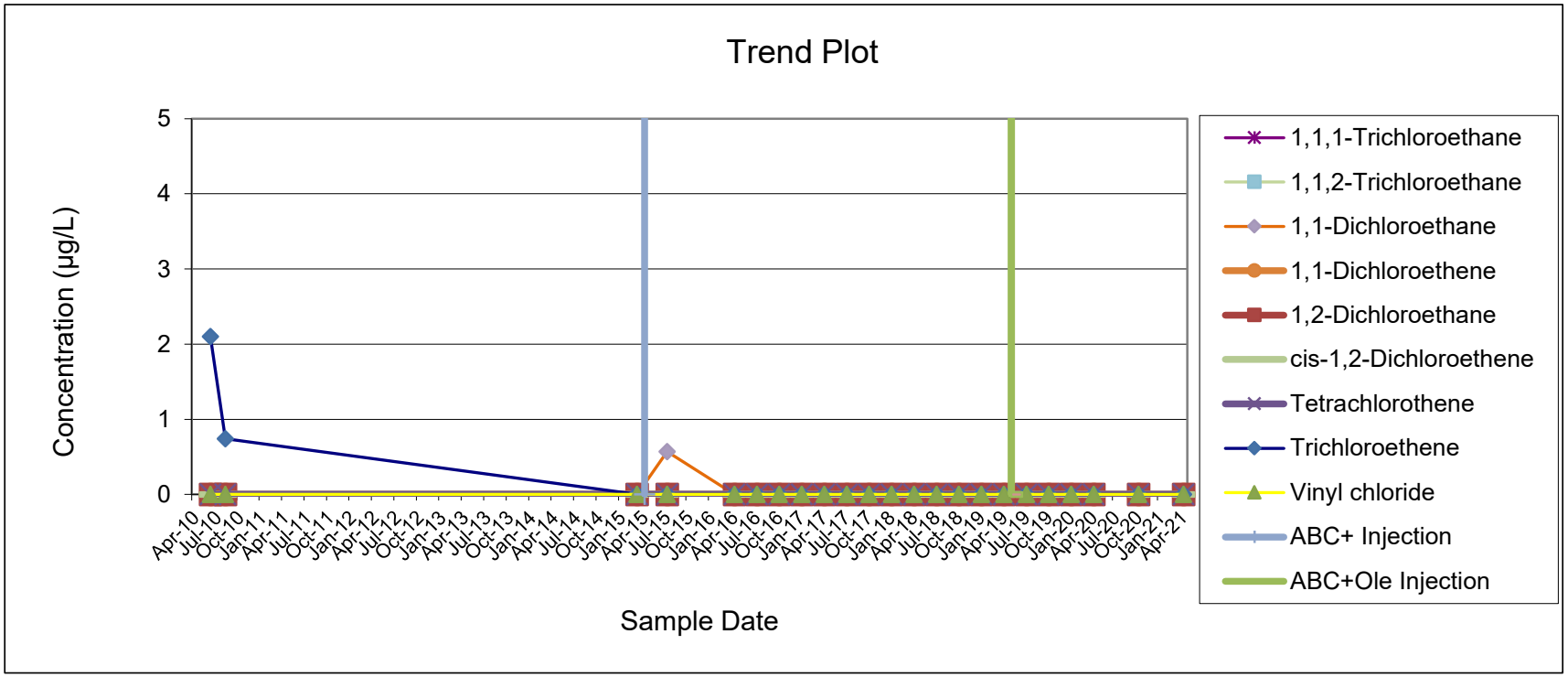
MONITORING WELL MW-35D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-36D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/17/2010	ND	ND	ND	ND	ND	ND	ND	2.1	ND
8/2/2010	ND	ND	ND	ND	ND	ND	ND	0.74	ND
3/10/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/29/2015	ND	ND	0.57	ND	ND	ND	ND	ND	ND
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/24/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/4/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/15/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/9/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/6/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

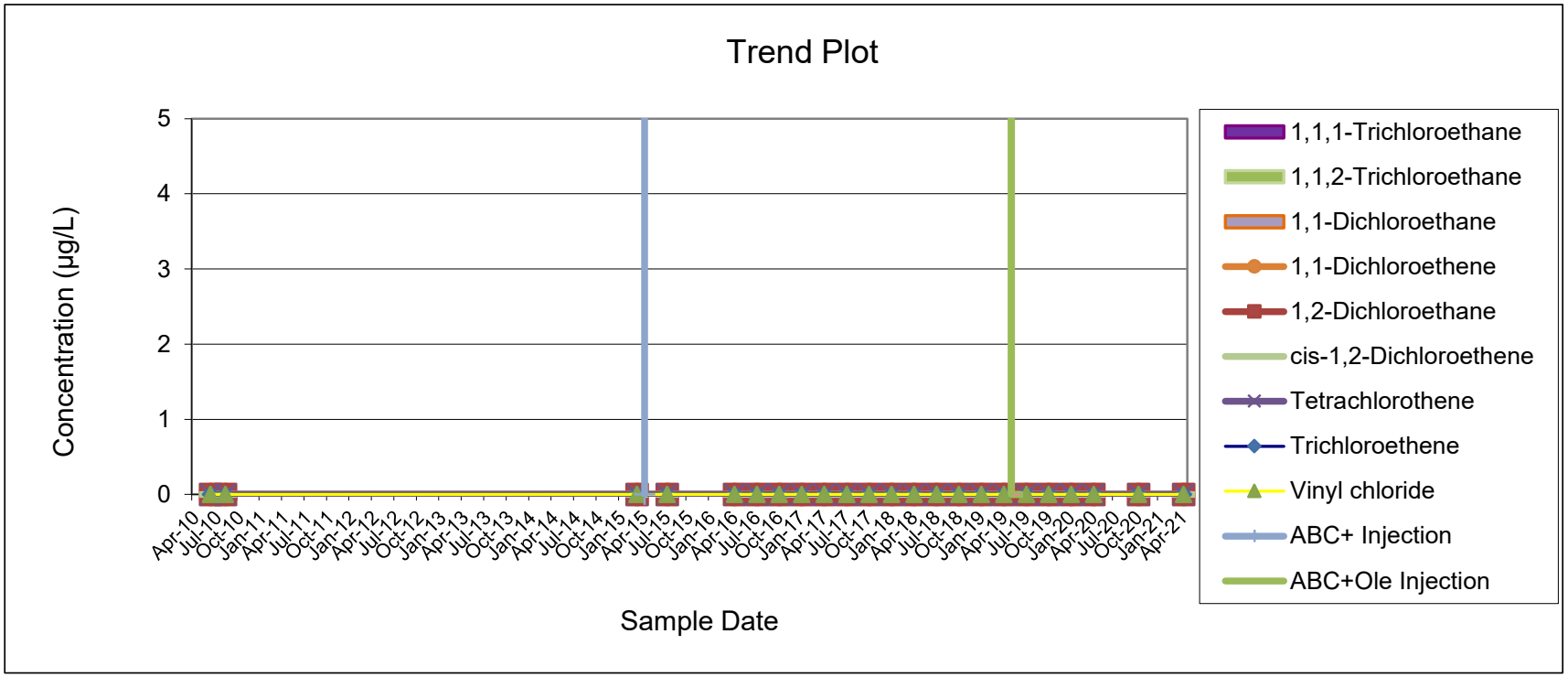
MONITORING WELL MW-36D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-37D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/18/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND
3/10/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/29/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/12/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/24/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/10/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/5/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/19/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/15/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

MONITORING WELL MW-37D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-38D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

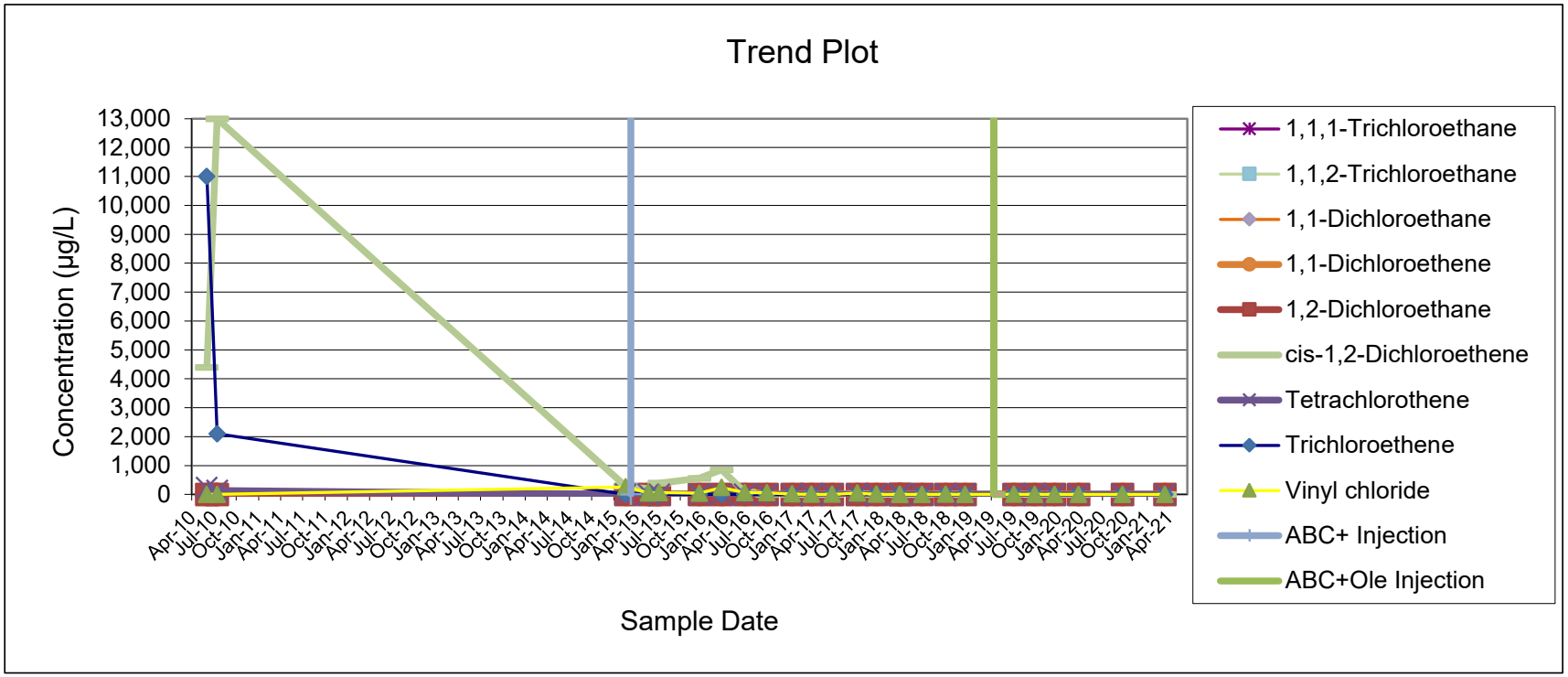
	Analytical Results (µg/L)								
Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/22/2010	ND	ND	ND	ND	ND	4,400	230	11,000	ND
8/4/2010	ND	ND	ND	ND	ND	13,000	130	2,100	ND
3/10/2015	ND	ND	ND	ND	ND	290	ND	1.9	260
6/12/2015	ND	ND	ND	ND	ND	190	ND	18	50
7/27/2015	ND	ND	ND	ND	ND	390	ND	6.8	60
1/7/2016	ND	ND	ND	ND	ND	560	ND	ND	44
4/8/2016	ND	ND	3.8	1.3	ND	850	ND	ND	240
7/12/2016	ND	ND	ND	ND	ND	80	ND	ND	59
10/12/2016	ND	ND	5.1	ND	ND	ND	ND	ND	58
1/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	14
4/12/2017	ND	ND	2.1	ND	ND	ND	ND	ND	6.7
7/7/2017	ND	ND	ND	ND	ND	ND	ND	ND	5.1
10/18/2017	ND	ND	19	1.1	ND	27	ND	ND	47
1/4/2018	ND	ND	ND	ND	ND	ND	ND	ND	5.1
4/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/11/2018	ND	ND	4.3	ND	ND	ND	ND	ND	ND
10/17/2018	ND	ND	20	ND	ND	20	ND	ND	11
1/4/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2019	ND	ND	ND	ND	ND	4	ND	ND	4.0
10/17/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/14/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

MONITORING WELL MW-38D

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

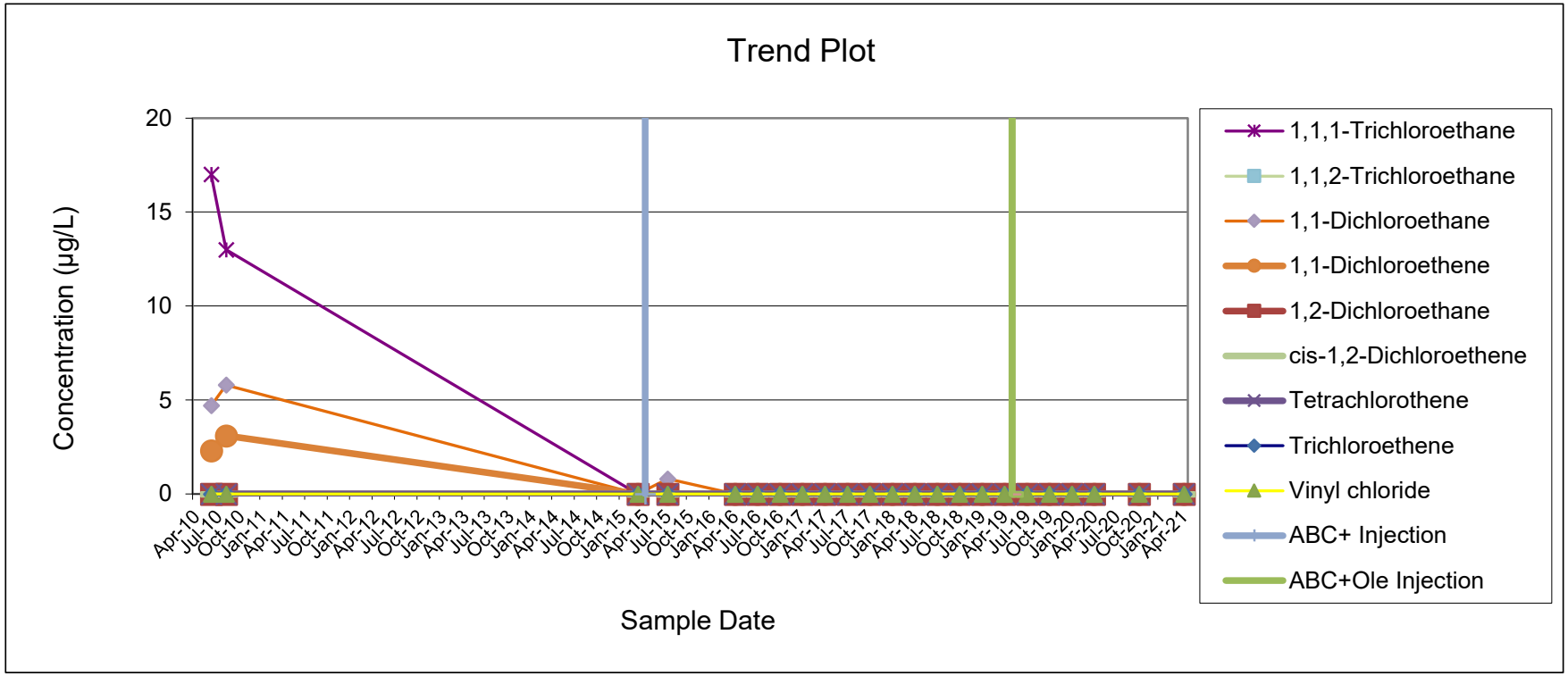
Lancaster, New York



MONITORING WELL MW-39D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)								
	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/18/2010	17	ND	4.7	2.3	ND	ND	ND	ND	ND
8/3/2010	13	ND	5.8	3.1	ND	ND	ND	ND	ND
3/10/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/29/2015	ND	ND	0.80	ND	ND	ND	ND	ND	ND
4/8/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/12/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/24/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/9/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/15/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/29/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/10/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/16/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/9/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND

MONITORING WELL MW-39D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-40D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

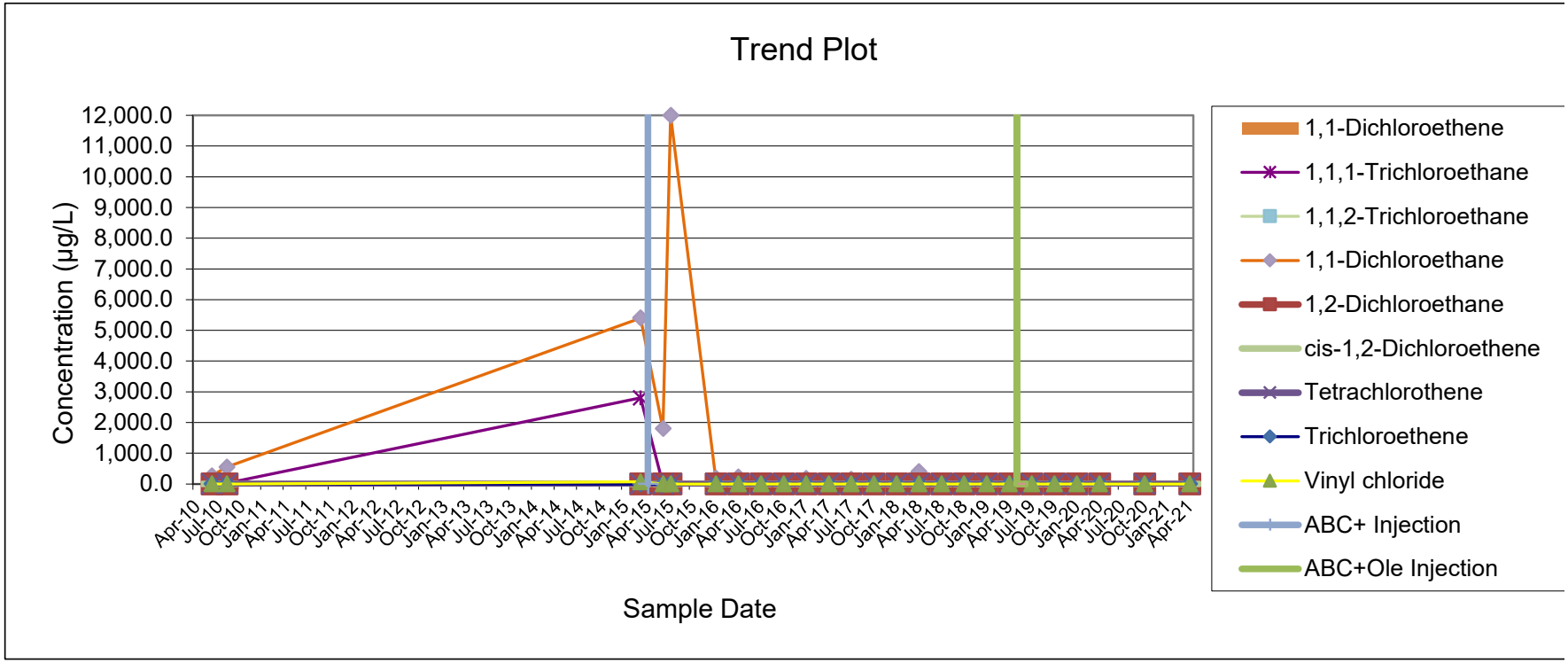
	Analytical Results (µg/L)								
Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachlorothene	Trichloroethene	Vinyl chloride
6/21/2010	23	ND	260	1.8	ND	1.2	ND	2.8	ND
8/3/2010	25	ND	550	6	ND	ND	ND	ND	ND
3/11/2015	2,800	ND	5,400	200	ND	ND	ND	ND	67
6/12/2015	ND	ND	1,800	ND	ND	ND	ND	ND	ND
7/27/2015	ND	ND	12,000	64	ND	ND	ND	ND	ND
1/7/2016	ND	ND	190	ND	ND	ND	ND	ND	ND
4/8/2016	ND	ND	220	ND	ND	ND	ND	ND	ND
7/11/2016	ND	ND	12	ND	ND	ND	ND	ND	ND
10/11/2016	ND	ND	71	ND	5.2	ND	ND	ND	ND
1/25/2017	ND	ND	180	ND	4.8	ND	ND	ND	ND
4/10/2017	43	ND	ND	ND	ND	ND	ND	ND	ND
7/10/2017	ND	ND	150	ND	ND	ND	ND	ND	ND
10/16/2017	ND	ND	51	ND	1.3	ND	ND	ND	0.9
1/4/2018	ND	ND	32	ND	ND	ND	ND	ND	ND
4/10/2018	20	ND	400	ND	ND	ND	ND	ND	ND
7/10/2018	ND	ND	4.6	ND	ND	ND	ND	ND	ND
10/18/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/7/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/16/2019	20	ND	78	ND	ND	ND	ND	ND	ND
7/29/2019	ND	ND	15	ND	ND	ND	ND	ND	ND
10/18/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/16/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/1/2021	ND	ND	8.6	ND	ND	ND	ND	ND	ND

MONITORING WELL MW-40D

SUMMARY OF VOCs IN GROUNDWATER

Former Scott Aviation Site

Lancaster, New York



Appendix C

Purge Logs

Appendix C1 Purge Logs

October 2020

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/9/2020
Field Personnel: C.Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: GP-2S
___ Upgradient ___ Downgradient
Weather Conditions: Sunny
Air Temperature: 45 ° F
Total Depth (TWD) Below Top of Casing: 15 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 3.6 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 11.4 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 1.8582 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 3.79 liter

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 689.82 1/100 ft
Height of Riser (above land surface): 2.52 1/100 ft
Land Surface Elevation: 687.3 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	125	100	100					
Time (Military)	9:10	9:15	9:20		12:48	12:53		
Depth to Groundwater Below Top of Casing (ft)	8.61		dry					
Drawdown (ft)								
pH (S.U.)	6.5	6.64	6.64		6.53	6.47		
Sp. Cond. (mS/cm)	0.950	0.887	0.898		0.870	0.864		
Turbidity (NTUs)	26.4	25.2	60		52	58.4		
Dissolved Oxygen (mg/L)	2.39	1.78	1.79		1.52	1.33		
Water Temperature (°C)	14.3	14.6	14.6		16.3	16		
ORP (mV)	21	-60.7	-83.7		-47.5	-67.7		

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

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

COMMENTS/OBSERVATIONS: Sampled on 10/12/20 @ 1240
Dry on 10/9/10 @ 0923, recharged, dry @ 1445 Dry on 10/12/20 @ 0845, recharged, sampled

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/8/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: GP-6S
____ Upgradient ____ Downgradient
Weather Conditions: Mostly Cloudy
Air Temperature: 46 ° F
Total Depth (TWD) Below Top of Casing: 15 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 2.87 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 12 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.494904 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.85 liter

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 687.71 1/100 ft
Height of Riser (above land surface): -0.09 1/100 ft
Land Surface Elevation: 687.8 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

Date	10/8/2020							
Flow Rate (ml/min)	-							
Time (Military)	13:10							
Depth to Groundwater Below Top of Casing (ft)	-							
Drawdown (ft)	-							
pH (S.U.)	7.58							
Sp. Cond. (mS/cm)	0.742							
Turbidity (NTUs)	48.1							
Dissolved Oxygen (mg/L)	1.27							
Water Temperature (°C)	14.5							
ORP (mV)	-88.8							

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

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

COMMENTS/OBSERVATIONS: Purged Dry on 10/5/20, 10/6/20, 10/7/20
Sampled on 10/8/20 @0920, Dry @ 0930, Dry @ 1313

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr: 10/9/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: GP-9S
____ Upgradient ____ Downgradient
Weather Conditions: Sunny
Air Temperature: 59 ° F
Total Depth (TWD) Below Top of Casing: 17.3 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =: 11.19 1/100 ft
Length of Water Column (LWC) = TWD - DGW =: 6.11 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0 = 0.2 gal
3 Casing Volumes =: ____ gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 0.757 liter

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: ____ 1/100 ft
Height of Riser (above land surface): ____ 1/100 ft
Land Surface Elevation: ____ 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	150		200	150			
Time (Military)	12:15	12:20		14:54	14:59			
Depth to Groundwater Below Top of Casing (ft)	8.23	11.5 (dry)		10.55	12.30 (dry)			
Drawdown (ft)								
pH (S.U.)	6.64	6.54		6.79	6.52			
Sp. Cond. (mS/cm)	1.439	1.454		1.357	1.374			
Turbidity (NTUs)	730au	1150au		95				
Dissolved Oxygen (mg/L)	11.97	3.22		11.77	3.55			
Water Temperature (°C)	6.68	6.47		6.98	6.71			
ORP (mV)	118	91.6		108	97.1			

7/10/17 post sample

Physical appearance at start Color ____
Odor ____
Sheen/Free Product ____

Physical appearance at sampling Color ____
Odor ____
Sheen/Free Product None

COMMENTS/OBSERVATIONS Sampled on 4/13/20 @ 1030 Water level @ sample - 3.39'

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr: 10/8/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: GP-10S
___ Upgradient ___ Downgradient
Weather Conditions: Mostly Cloudy
Air Temperature: 45 ° F
Total Depth (TWD) Below Top of Casing: 15 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =: 3.38 1/100 ft
Length of Water Column (LWC) = TWD - DGW =: 11.62 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.474096 gal
3 Casing Volumes =: gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.9 liter

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 689.10 1/100 ft
Height of Riser (above land surface): -0.10 1/100 ft
Land Surface Elevation: 689.2 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	-					7/10/17 post sample		
Time (Military)	8:29							
Depth to Groundwater Below Top of Casing (ft)	-							
Drawdown (ft)	-							
pH (S.U.)	6.27							
Sp. Cond. (mS/cm)	1.220							
Turbidity (NTUs)	25.3							
Dissolved Oxygen (mg/L)	2.31							
Water Temperature (°C)	15							
ORP (mV)	232.2							

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

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

COMMENTS/OBSERVATIONS: Purged dry on 10/5/20, 10/6/20, 10/7/20, sampled on 10/8/20 @ 0845, Dry @ 0900, 1320, 1420, Parameters taken on 10/9/20

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	10/7/2020	Casing Diameter	1 inches
Field Personnel	C. Bourne	Casing Material	PVC
Site Name	**Former Scott Aviation Site - Lancaster, NY**	Measuring Point Elevation	687.69 1/100 ft
AECOM Job #	**60536398**	Height of Riser (above land surface)	-1.74 1/100 ft
Well ID #	GP-14S	Land Surface Elevation	689.4 1/100 ft
	Upgradient Downgradient	Screened Interval (below land surface)	5-15 1/100 ft
Weather Conditions	Overcast, Rain		
Air Temperature	56 ° F		
Total Depth (TWD) Below Top of Casing	15 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing =	2.68 1/100 ft		
Length of Water Column (LWC) = TWD - DGW =	12.32 1/100 ft		
1 Casing Volume (OCV) = LWC x 0.0408 =	0.502656 gal		
3 Casing Volumes =	gal		
Method of Well Evacuation	Peristaltic Pump		
Method of Sample Collection	Peristaltic Pump/Poly Tubing		
Total Volume of Water Removed	1.9 liter		

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	125	125	125	100	100		
Time (Military)	9:52	9:57	10:02	10:07	10:12	10:17		
Depth to Groundwater Below Top of Casing (ft)	4.80	5.48	6.75	9.70	11.02	-		
Drawdown (ft)	2.12	2.80	4.07	7.02	8.34	-		
pH (S.U.)	7.1	7.22	7.27	7.21	7.16	7.14		
Sp. Cond. (mS/cm)	0.76	0.615	0.534	0.583	0.678	0.681		
Turbidity (NTUs)	58.4	24	13.8	34.8	41.2	34.1		
Dissolved Oxygen (mg/L)	1.21	0.8	0.96	1.24	1.79	1.81		
Water Temperature (°C)	16.7	17.3	17.6	17.3	16.9	16.8		
ORP (mV)	-119.4	-127	-125.4	-122.9	-110.8	-106.4		

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

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

COMMENTS/OBSERVATIONS: Start purge @ 0951 Dry @ 1017

Start purge @ 1148 on 10/8/20, WL 3.3' Sampled @ 1205

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/8/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # GP-15S
Upgradient Downgradient
Weather Conditions Partly Cloudy
Air Temperature 50 ° F
Total Depth (TWD) Below Top of Casing 14.82 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 11.31 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 3.51 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.143208 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 0.5 liter

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 687.69 1/100 ft
Height of Riser (above land surface) -0.31 1/100 ft
Land Surface Elevation 688.0 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES 7/6/17 post sample

Flow Rate (ml/min)	-	-						
Time (Military)	10:38	10:40						
Depth to Groundwater Below Top of Casing (ft)	-	-						
Drawdown (ft)	-	-						
pH (S.U.)	6.93	7.02						
Sp. Cond. (mS/cm)	0.576	0.568						
Turbidity (NTUs)	26.4	24.4						
Dissolved Oxygen (mg/L)	5.78	5.37						
Water Temperature (°C)	14.20	13.90						
ORP (mV)	7.4	10.4						

Physical appearance at start Color
Odor
Sheen/Free Product

Physical appearance at sampling Color
Odor
Sheen/Free Product None

COMMENTS/OBSERVATIONS Purged dry on 10/5/20, 10/6/20, 10/7/20
Sample on 10/8/20 @ 1028, dry @ 1040

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/6/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # GP-16S
Upgradient Downgradient
Weather Conditions Sunny
Air Temperature 65 ° F
Total Depth (TWD) Below Top of Casing 17.52 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 5 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 12.52 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.510816 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 4.0 liter

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 687.69 1/100 ft
Height of Riser (above land surface) -0.31 1/100 ft
Land Surface Elevation 688.0 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	225	175	125	125	100	100	100	100
Time (Military)	14:49	14:54	14:59	15:04	9:07	9:12	11:03	11:08
Depth to Groundwater Below Top of Casing (ft)	7.75	-	-	-	6.20	7.85	6	6.7
Drawdown (ft)	2.75	-	-	-	1.2	2.85	1	1.7
pH (S.U.)	7.66	7.39	7.35	-	6.45	6.67	6.97	6.95
Sp. Cond. (mS/cm)	1.099	1.003	1.046	1.137	0.967	-	0.85	0.826
Turbidity (NTUs)	50.4	116	87	-	62	-	45	76.9
Dissolved Oxygen (mg/L)	1	0.51	0.51	-	0.98	-	0.94	0.66
Water Temperature (°C)	13.80	14.10	14.00	14.70	12.9	13	13.9	13.5
ORP (mV)	-54.9	-40.4	-54.8	-38.5	126.0	60.4	15.7	-9.6

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

Physical appearance at sampling Color Minor cloudiness
Odor None
Sheen/Free Product None

COMMENTS/OBSERVATIONS Start Purge @ 1448, Dry @ 1502 Start purge @904 on 10/7/20, Dry @ 0920, rain made data recording difficult
Start Purge @1058 on 10/8/20, small air bubbles every 5 inches in tubing starting @ 1111, sampled @ 1128

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/6/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # GP-16S
Upgradient Downgradient
Weather Conditions Sunny
Air Temperature 65 ° F
Total Depth (TWD) Below Top of Casing 17.52 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 5 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 12.52 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.510816 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 4.0 liter

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 687.69 1/100 ft
Height of Riser (above land surface) -0.31 1/100 ft
Land Surface Elevation 688.0 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	225	175	125	125				
Time (Military)	11:13	11:18	11:23	11:28				
Depth to Groundwater Below Top of Casing (ft)	8.65	10.69	11.25	11.33				
Drawdown (ft)	3.65	5.69	6.25	6.33				
pH (S.U.)	6.94	6.95	6.97	7				
Sp. Cond. (mS/cm)	0.777	0.782	0.804	0.806				
Turbidity (NTUs)	49.4	47.2	44.4	44.2				
Dissolved Oxygen (mg/L)	0.94	0.94	0.9	0.88				
Water Temperature (°C)	13.50	13.40	13.30	13.10				
ORP (mV)	-9.6	-57.9	-62.4	-66.7				

Physical appearance at start Color
Odor
Sheen/Free Produc

Physical appearance at sampling Color
Odor
Sheen/Free Product None

COMMENTS/OBSERVATIONS

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/08/20

Field Personnel C. Bourne

Site Name **Former Scott Aviation Site - Lancaster, NY**

AECOM Job # **60536398**

Well ID # GP-18S

Upgradient Downgradient

Weather Conditions Mostly Cloudy

Air Temperature 46 ° F

Total Depth (TWD) Below Top of Casing 18 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 7.62 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 10.38 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.423504 gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 4.77 liter

Casing Diameter 0.75 inches

Casing Material PVC

Measuring Point Elevation 690.37 1/100 ft

Height of Riser (above land surface) 2.87 1/100 ft

Land Surface Elevation 687.5 1/100 ft

Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	-	-						
Time (Military)	10:15	10:20						
Depth to Groundwater Below Top of Casing (ft)	-	-						
Drawdown (ft)	-	-						
pH (S.U.)	6.42	6.64						
Sp. Cond. (mS/cm)	0.632	0.638						
Turbidity (NTUs)	600au	551au						
Dissolved Oxygen (mg/L)	2.12	1.35						
Water Temperature (°C)	12.7	12.6						
ORP (mV)	-40.9	-94.6						

Physical appearance at start Color

Odor

Sheen/Free Produc

Physical appearance at sampling Color Cloudy

Odor None

Sheen/Free Product None

COMMENTS/OBSERVATIONS Purged dry on 10/5/20, 10/6/20, 10/7/20

Sampled on 10/8/20 @1000

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/7/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-30
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy
Air Temperature: 59 ° F
Total Depth (TWD) Below Top of Casing: 20 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 4.77 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 15.23 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.48249 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 9.46 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 1/100 ft
Height of Riser (above land surface): 0.00 1/100 ft
Land Surface Elevation: 1/100 ft
Screened Interval (below land surfac: 10-20 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	325	325	250	250	250	250	250	
Time (Military)	13:30	13:35	13:40	13:45	13:50	13:55	14:00	
Depth to Groundwater Below Top of Casing (ft)	5.08	7.05	8.6	9.6	10	10.24	10.55	
Drawdown (ft)	0.31	2.28	3.83	4.83	5.23	5.47	5.78	
pH (S.U.)	7.41	7.43	7.49	7.47	7.44	7.42	7.41	
Sp. Cond. (mS/cm)	0.579	0.57	0.555	0.552	0.551	0.551	0.551	
Turbidity (NTUs)	4.63	4.51	4.32	3.95	3.87	3.81	4	
Dissolved Oxygen (mg/L)	1.57	0.58	0.41	0.34	0.28	0.28	0.29	
Water Temperature (°C)	16.7	17.00	17.40	17.50	17.60	17.60	17.60	
ORP (mV)	-118.3	-126.4	-128.6	-130.8	-132.3	-132.7	-130	

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

COMMENTS/OBSERVATIONS: Start Purge: 1329 Sample Time - 1400

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/6/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # MW-35S
Upgradient Downgradient
Weather Conditions Sunny
Air Temperature 60 ° F
Total Depth (TWD) Below Top of Casing 14.01 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.58 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 4.43 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 0.72209 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 9.46 liter

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 688.56 1/100 ft
Height of Riser (above land surface) -0.54 1/100 ft
Land Surface Elevation 689.1 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	Dup
VOA 40 mL glass	TOC	2	HCL, 4°C	--

FIELD ANALYSES

Flow Rate (ml/min)	125	150	150	150	150	150	150	150
Time (Military)	10:15	10:20	10:25	10:30	10:35	10:40	10:45	10:50
Depth to Groundwater Below Top of Casing (ft)	10.02	10.59	10.89	11.30	11.95	12.37	12.60	13
Drawdown (ft)	0.44	0.79	1.30	1.72	2.37	2.77	3.02	3.42
pH (S.U.)	8.15	7.43	7.36	7.29	7.27	7.26	7.25	7.24
Sp. Cond. (mS/cm)	0.925	0.926	0.954	0.954	0.929	0.898	0.887	0.883
Turbidity (NTUs)	5.42	5.01	4.75	4.61	4.51	4.2	3.86	3.71
Dissolved Oxygen (mg/L)	2.35	2.16	1.36	1.18	0.99	0.84	0.74	0.62
Water Temperature (°C)	13.8	14	14.3	14.2	14.2	14.1	14	13.9
ORP (mV)	104.8	88.5	79.2	75.3	71.4	66.3	64.7	62.8

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

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

COMMENTS/OBSERVATIONS Start Purge @ 1014 Sample Time @ 1100, DUP-100620-1 taken

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/6/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # MW-35S
Upgradient Downgradient
Weather Conditions Sunny
Air Temperature 60 ° F
Total Depth (TWD) Below Top of Casing 14.01 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.58 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 4.43 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 0.72209 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 9.46 liter

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 688.56 1/100 ft
Height of Riser (above land surface) -0.54 1/100 ft
Land Surface Elevation 689.1 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	Dup
VOA 40 mL glass	TOC	2	HCL, 4°C	--

FIELD ANALYSES

Flow Rate (ml/min)	125	125						
Time (Military)	10:55	11:00						
Depth to Groundwater Below Top of Casing (ft)	13.41	13.75						
Drawdown (ft)	3.83	4.17						
pH (S.U.)	7.25	7.27						
Sp. Cond. (mS/cm)	0.89	0.885						
Turbidity (NTUs)	3.6	3.55						
Dissolved Oxygen (mg/L)	0.64	0.6						
Water Temperature (°C)	13.9	13.9						
ORP (mV)	60.3	59.4						

Physical appearance at start Color
Odor
Sheen/Free Product

Physical appearance at sampling Color
Odor
Sheen/Free Product None

COMMENTS/OBSERVATIONS

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/6/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # MW-35D
Upgradient Downgradient
Weather Conditions Partly Cloudy
Air Temperature 59 ° F
Total Depth (TWD) Below Top of Casing 25.22 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8.4 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 16.82 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.74166 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 18.9 liter

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 698.66 1/100 ft
Height of Riser (above land surface) 2.83 1/100 ft
Land Surface Elevation 687.1 1/100 ft
Screened Interval (below land surface) 21-26 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	300	300	300	300	300	300	300	300
Time (Military)	11:25	11:30	11:35	11:40	11:45	11:50	11:55	12:00
Depth to Groundwater Below Top of Casing (ft)	9.82	10.71	13.05	14	15.45	16.8	17.7	18.65
Drawdown (ft)	1.42	2.31	4.65	5.6	7.05	8.40	9.3	10.25
pH (S.U.)	7.66	7.63	7.74	7.75	7.77	7.87	7.84	7.94
Sp. Cond. (mS/cm)	0.522	0.523	0.521	0.518	0.518	0.517	0.517	0.517
Turbidity (NTUs)	104.3	104.6	74.5	53.7	57.9	90.5	205	216
Dissolved Oxygen (mg/L)	0.66	0.38	0.46	0.31	0.34	0.33	0.33	0.32
Water Temperature (°C)	12.7	12.6	12.90	12.9	12.8	12.9	12.9	13.1
ORP (mV)	-98.7	-127.4	-133	-136.4	-130.1	-98.3	-93.1	-81.7

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

Physical appearance at sampling Color Brown
Odor None
Sheen/Free Product None

COMMENTS/OBSERVATIONS Start Purge @ 1122 Sample Time @ 1225
Water remained cloudy throughout sampling, turbidity remained steady, sampled when other parameters were steady

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/6/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # MW-35D
Upgradient Downgradient
Weather Conditions Partly Cloudy
Air Temperature 59 ° F
Total Depth (TWD) Below Top of Casing 29 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 29 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 4.727 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collectior Peristaltic Pump/Poly Tubing
Total Volume of Water Removec liter

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 698.66 1/100 ft
Height of Riser (above land surface) 2.83 1/100 ft
Land Surface Elevation 687.1 1/100 ft
Screened Interval (below land surface 21-26 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	300	300	200	200	200			
Time (Military)	12:05	12:10	12:15	12:20	12:25			
Depth to Groundwater Below Top of Casing (ft)	19.07	19.55	19.65	19.71	19.85			
Drawdown (ft)	10.67	11.15	11.25	11.31	11.45			
pH (S.U.)	8	8.26	8.28	8.3	8.21			
Sp. Cond. (mS/cm)	0.513	0.512	0.509	0.508	0.506			
Turbidity (NTUs)	210.0	310.0	300.0	350.0	324.0			
Dissolved Oxygen (mg/L)	0.31	0.32	0.34	0.34	0.3			
Water Temperature (°C)	13.2	13.2	13.3	13.2	13			
ORP (mV)	-80.6	-148.1	-154.2	-151.3	-146.1			

Physical appearance at start Color
Odor
Sheen/Free Produc

Physical appearance at sampling Color
Odor
Sheen/Free Product None

COMMENTS/OBSERVATIONS

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/9/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # MW-36S
Upgradient Downgradient
Weather Conditions Sunny
Air Temperature 59 ° F
Total Depth (TWD) Below Top of Casing 17.7 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 5.42 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 12.28 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.00164 gal
3 Casing Volumes = 6.00492 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 7.5 liter

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 689.82 1/100 ft
Height of Riser (above land surface) 2.72 1/100 ft
Land Surface Elevation 687.1 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	175	175	200	200	200	200	200	
Time (Military)	12:04	12:09	12:14	12:19	12:24	12:29	12:34	
Depth to Groundwater Below Top of Casing (ft)	6.09	7.09	8.08	8.32	8.33	8.34	8.61	
Drawdown (ft)	0.67	1.67	2.66	2.90	2.91	2.92	3.19	
pH (S.U.)	6.78	6.77	6.8	6.85	6.86	6.89	6.9	
Sp. Cond. (mS/cm)	1.009	0.993	0.99	0.989	0.987	0.99	0.999	
Turbidity (NTUs)	4.24	4.11	3.26	3.04	2.99	8.98	9.74	
Dissolved Oxygen (mg/L)	3.52	0.35	0.65	0.66	0.55	0.52	0.55	
Water Temperature (°C)	14.2	13	13.2	13.5	13.60	13.7	14	
ORP (mV)	-0.1	-76.8	-81.5	-85.6	-89.1	-92.1	-98.4	

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

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

COMMENTS/OBSERVATIONS Start Purge @ 1203 Sampled @ 1234

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/9/2020

Field Personnel C. Bourne

Site Name **Former Scott Aviation Site - Lancaster, NY**

AECOM Job # **60536398**

Well ID # MW-36D

Upgradient Downgradient

Weather Conditions Sunny

Air Temperature 61

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

Depth to Groundwater (DGW) Below Top of Casing = 7.9 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 15.6 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 2.5428 gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 11.4 liter

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 689.66 1/100 ft

Height of Riser (above land surface) 2.56 1/100 ft

Land Surface Elevation 687.1 1/100 ft

Screened Interval (below land surface) 16-21 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	500	400	400	225	200	200	200	200
Time (Military)	13:30	13:35	13:40	13:45	13:50	13:55	14:00	14:05
Depth to Groundwater Below Top of Casing (ft)	9.10	11.71	14.41	15.70	17.10	18.03	18.71	19.31
Drawdown (ft)	1.20	3.81	6.51	7.80	9.2	10.13	10.81	11.41
pH (S.U.)	6.62	7.13	7.36	7.42	7.41	7.42	7.44	7.46
Sp. Cond. (mS/cm)	1.111	1.075	1.080	1.078	1.083	1.089	1.093	1.090
Turbidity (NTUs)	11.7	15.3	17.2	16.8	20.5	19.9	20.0	18.6
Dissolved Oxygen (mg/L)	4.54	1.21	0.73	0.61	0.57	0.53	0.54	0.50
Water Temperature (°C)	11.8	12.4	12.60	13	13.3	13.3	13.3	13.3
ORP (mV)	-107.7	-139.8	-136.4	-130	-121.3	-117.1	-116.6	-111.4

Physical appearance at start Color Clear

Odor None

Sheen/Free Product None

Physical appearance at sampling Color

Odor

Sheen/Free Product None

COMMENTS/OBSERVATIONS Start Purge @ 1329

Sample Time @ 1405

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/7/2020
Field Personnel C. Bourne
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # MW-37D
Upgradient Downgradient
Weather Conditions Partly Cloudy, Snow
Air Temperature 37
Total Depth (TWD) Below Top of Casing 22.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 4.15 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 18.35 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.99105 gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 9.5 liter

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 690.05 1/100 ft
Height of Riser (above land surface) 2.45 1/100 ft
Land Surface Elevation 687.6 1/100 ft
Screened Interval (below land surface) 15-20 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	450	350	350	350	350	275	275	275
Time (Military)	14:36	14:41	14:46	14:51	14:56	15:01	15:06	15:11
Depth to Groundwater Below Top of Casing (ft)	8.08	9.63	10.73	11.60	12.20	12.42	12.46	12.47
Drawdown (ft)	1.56	3.11	4.21	5.08	5.68	5.90	5.94	5.95
pH (S.U.)	7.12	6.95	6.99	7.08	7.10	7.14	7.17	7.16
Sp. Cond. (mS/cm)	0.964	0.889	0.846	0.786	0.757	0.741	0.734	0.725
Turbidity (NTUs)	8.25	4.93	4.75	4.69	4.61	6.55	6.12	6.01
Dissolved Oxygen (mg/L)	1.70	0.83	0.61	0.44	0.39	0.33	0.31	0.30
Water Temperature (°C)	12.50	12.50	12.60	12.40	12.40	12.40	12.50	12.60
ORP (mV)	-61.3	-77.7	-84.2	-90.9	-96.1	-103	-109.0	-112.5

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

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

COMMENTS/OBSERVATIONS Start Purge @ 1434 Sample Time @ 1511

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/6/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-38D
___ Upgradient ___ Downgradient
Weather Conditions: Sunny
Air Temperature: 64 ° F
Total Depth (TWD) Below Top of Casing: 20.9 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 6.31 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 14.59 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.37817 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 15 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.66 1/100 ft
Height of Riser (above land surface): 2.72 1/100 ft
Land Surface Elevation: 687.5 1/100 ft
Screened Interval (below land surfac: 16-21 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	325	325	325	325	325	225	150	150
Time (Military)	13:52	13:57	14:02	14:07	14:12	14:17	9:31	9:36
Depth to Groundwater Below Top of Casing (ft)	7.01	10.28	12.48	15.10	16.45	17.20	9.87	10.69
Drawdown (ft)	0.70	3.97	6.17	8.79	10.14	10.89	0.54	1.36
pH (S.U.)	7.36	7.35	7.39	7.41	7.44	7.50	7.03	7.13
Sp. Cond. (mS/cm)	1.675	1.675	1.677	1.68	1.676	1.688	1.18	1.18
Turbidity (NTUs)	32.4	37.9	31.7	30.4	29.6	28.0	38.0	22.3
Dissolved Oxygen (mg/L)	1.47	1.1	1.06	0.98	0.85	1.47	1.56	0.88
Water Temperature (°C)	15	15	14.80	15.00	14.2	15.1	13.6	13.6
ORP (mV)	21.7	-27.9	-55.4	-87.7	-91.9	-103.4	-86.0	-98.3

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

COMMENTS/OBSERVATIONS: Start Purge @ 1349, Dry at 1425, Purged dry on 10/7/20, 10/9/20
Sampled on 10/12/20 @ 0900

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/9/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-39D
___ Upgradient ___ Downgradient
Weather Conditions: Sunny
Air Temperature: 54 ° F
Total Depth (TWD) Below Top of Casing: 22.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 6.7 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 15.8 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.5754 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 9.5 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.72 1/100 ft
Height of Riser (above land surface): 2.57 1/100 ft
Land Surface Elevation: 687.4 1/100 ft
Screened Interval (below land surfac: 15-20 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	400	300	250	200	200	200	200	200
Time (Military)	10:30	10:35	10:40	10:45	10:55	11:00	11:05	11:10
Depth to Groundwater Below Top of Casing (ft)	8.10	9.7	11.55	13.20	14.30	14.95	15.57	15.95
Drawdown (ft)	1.4	3.00	4.85	6.50	7.6	8.25	8.87	9.25
pH (S.U.)	6.65	6.42	6.28	6.19	6.2	6.23	6.3	6.32
Sp. Cond. (mS/cm)	0.649	0.644	0.646	0.65	0.695	0.728	0.751	0.752
Turbidity (NTUs)	39	46	87	86.6	85.4	66.1	54.2	48.3
Dissolved Oxygen (mg/L)	1.91	0.9	0.82	0.75	0.76	0.51	0.49	0.54
Water Temperature (°C)	13.2	13.1	13	12.8	12.8	12.4	12.3	12.3
ORP (mV)	-11	-25.7	-32.3	-39.9	-56.1	-74.1	-79.4	-83.2

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

COMMENTS/OBSERVATIONS: Start Purge @ 1029,
Sampled @ 1110

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr: 10/12/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-40D
___ Upgradient ___ Downgradient
Weather Conditions: Sunny
Air Temperature: 55 ° F
Total Depth (TWD) Below Top of Casing: 22.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =: 5.52 1/100 ft
Length of Water Column (LWC) = TWD - DGW =: 16.98 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.77 gal
3 Casing Volumes =: gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 7.6 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.19 1/100 ft
Height of Riser (above land surface): -0.3 1/100 ft
Land Surface Elevation: 689.5 1/100 ft
Screened Interval (below land surfac: 17.8-22.8 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	175	175	175
Time (Military)	9:40	9:45	9:50	9:55	10:00	10:05	10:10	1015	1020
Depth to Groundwater Below Top of Casing (ft)	6.28	7.58	9.40	11.11	12.75	13.68	14.51	14.95	15.30
Drawdown (ft)	0.76	2.06	3.88	5.59	7.23	8.16	8.99	9.43	9.78
pH (S.U.)	6.7	6.68	6.83	6.77	6.91	6.96	7	7.02	7.05
Sp. Cond. (mS/cm)	0.96	0.94	0.926	0.938	0.933	0.927	0.925	.926	.926
Turbidity (NTUs)	143.00	54.1	61.2	58.9	72.4	68.3	64.5	63.4	55.6
Dissolved Oxygen (mg/L)	1.59	0.7	0.42	0.38	0.31	0.31	0.3	0.3	.31
Water Temperature (°C)	14.1	13.9	14.1	14.1	14.3	14.3	14.4	14.4	14.4
ORP (mV)	-109.4	-129.6	-167.1	-163.7	-183.9	-196.3	-197.6	(-)197.9	-197.9

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

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

COMMENTS/OBSERVATIONS: Start purge @ 0939 Sample Time @ 1020

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/12/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-42S
___ Upgradient ___ Downgradient
Weather Conditions: Partly Cloudy
Air Temperature: 57 ° F
Total Depth (TWD) Below Top of Casing: 14.3 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 1.55 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 12.75 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.07825 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 7.6 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.08 1/100 ft
Height of Riser (above land surface): -0.58 1/100 ft
Land Surface Elevation: 689.66 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	350	275	275	275	275	275	275	275	275
Time (Military)	11:11	11:16	11:21	11:26	11:31	11:36	11:41	11:46	11:51
Depth to Groundwater Below Top of Casing (ft)	1.90	3.49	4.89	5.50	6.12	6.71	7.10	7.59	7.9
Drawdown (ft)	0.35	1.94	3.34	3.95	4.57	5.16	6.55	6.04	6.35
pH (S.U.)	6.56	6.56	6.52	6.48	6.48	6.5	6.5	6.53	6.55
Sp. Cond. (mS/cm)	2.491	2.256	1.855	1.63	1.389	1.322	1.29	1.271	1.302
Turbidity (NTUs)	15	6.55	6.29	6.17	6.01	3.9	3.81	2.69	2.54
Dissolved Oxygen (mg/L)	0.74	0.32	0.49	0.38	0.37	0.38	0.37	.34	.33
Water Temperature (°C)	17.1	17.6	17.9	18.1	18.1	18.2	18.2	18.3	18.3
ORP (mV)	-119.6	-138	-121.3	-114.7	-109.7	-106.1	-107.1	-222.1	

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

COMMENTS/OBSERVATIONS: Start Purge @ 1109 Sample Time @ 1151

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/7/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-43S
___ Upgradient ___ Downgradient
Weather Conditions: Overcast, Rain
Air Temperature: 57 ° F
Total Depth (TWD) Below Top of Casing: 14.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 2.45 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 12.05 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 1.96415 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 9.5 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.14 1/100 ft
Height of Riser (above land surface): -0.46 1/100 ft
Land Surface Elevation: 689.6 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	250	200	200	200	200	200	200	200
Time (Military)	10:45	10:50	10:55	11:00	11:05	11:10	11:15	11:@0
Depth to Groundwater Below Top of Casing (ft)	2.9	4.39	5	5.09	5.5	5.85	6.21	6.55
Drawdown (ft)	0.45	1.94	2.55	2.64	3.05	3.40	3.76	4.10
pH (S.U.)	7.00	6.93	6.88	6.87	6.86	6.86	6.85	6.86
Sp. Cond. (mS/cm)	1.225	1.208	1.189	1.181	1.192	1.179	1.181	1.185
Turbidity (NTUs)	5.72	5.69	7.16	6.91	6.54	6.42	5.11	4.95
Dissolved Oxygen (mg/L)	0.43	0.58	0.6	0.71	0.81	0.73	0.66	0.64
Water Temperature (°C)	17.4	17.7	17.9	18	18.1	18.1	18.2	18.2
ORP (mV)	-108.9	-116.3	-121.9	-126.1	-127	-126.4	-126.1	-126.2

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

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

COMMENTS/OBSERVATIONS: Start purge @ 1043 Sample Time @ 1120

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 10/7/2020
Field Personnel: C. Bourne
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-44S
___ Upgradient ___ Downgradient
Weather Conditions: Overcast
Air Temperature: 57 ° F
Total Depth (TWD) Below Top of Casing: 15 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 2 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 13 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.119 gal
3 Casing Volumes = gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 9.5 liter

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 1/100 ft
Height of Riser (above land surface): 0.00 1/100 ft
Land Surface Elevation: 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	300	300	300	300	300	250	250	250
Time (Military)	11:43	11:48	11:53	11:58	12:03	12:08	12:13	12:18
Depth to Groundwater Below Top of Casing (ft)	2.33	4.22	5.69	6.19	6.67	7.00	7.33	7.70
Drawdown (ft)	0.33	2.22	3.69	4.19	4.67	5.00	5.33	5.70
pH (S.U.)	7.33	7.16	7.17	7.19	7.21	7.23	7.21	7.19
Sp. Cond. (mS/cm)	0.854	0.848	0.845	0.837	0.831	0.832	0.835	0.839
Turbidity (NTUs)	14.50	5.91	5.44	6.87	6.55	6.41	3.19	3.11
Dissolved Oxygen (mg/L)	0.68	0.36	0.48	1.52	3.42	3.37	3.11	3.01
Water Temperature (°C)	13.8	14	14.3	14.60	14.70	14.70	14.70	14.70
ORP (mV)	-103.6	-105.8	-107.7	-93.4	-62.4	-54.4	-49.4	-44.8

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

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

COMMENTS/OBSERVATIONS: Started Purge @ 1141 Sample time @ 1218

Appendix C2

Purge Logs - April 2021

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr: 4/1/2021
Field Personnel: Tony Ye
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: GP-2S
____ Upgradient ____ Downgradient
Weather Conditions: Cloudy
Air Temperature: 32 ° F
Total Depth (TWD) Below Top of Casing: 15 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =: 8.15 1/100 ft
Length of Water Column (LWC) = TWD - DGW =: 6.85 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.28 gal
3 Casing Volumes =: 0.84 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 0.5 gal

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 689.82 1/100 ft
Height of Riser (above land surface): 2.52 1/100 ft
Land Surface Elevation: 687.3 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100				
Time (Military)	12:35	12:45	12:50	12:55				
Depth to Groundwater Below Top of Casing (ft)	8.20	*	*	*				
Drawdown (ft)	0.05	-	-	-				
pH (S.U.)	6.99	6.87	6.88	6.85				
Sp. Cond. (mS/cm)	0.621	0.607	0.620	0.617				
Turbidity (NTUs)	28.40	44.40	48.00	54.60				
Dissolved Oxygen (mg/L)	4.02	3.10	3.35	3.66				
Water Temperature (°C)	6.12	6.60	6.42	6.05				
ORP (mV)	-56.40	-65.80	-70.80	-70.40				

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

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

COMMENTS/OBSERVATIONS: Start purging at 1233. Start sampling at 1255.

*Water levels were not taken due to probe getting stuck against tubing. Turbidity did not stabilize, samples were collected when other parameters were stable.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/2/2021
Field Personnel: Tony Ye
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: GP-6S
Upgradient ____ Downgradient ____
Weather Conditions: Cloudy / Light Snow
Air Temperature: 29
Total Depth (TWD) Below Top of Casing: 15.0 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 2.00 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 13.0 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.53 gal
3 Casing Volumes = 1.59 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 0.25 gal

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 687.71 1/100 ft
Height of Riser (above land surface): -0.09 1/100 ft
Land Surface Elevation: 687.8 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100					
Time (Military)	12:10	12:15	12:20					
Depth to Groundwater Below Top of Casing (ft)	11.70	14.10	14.50					
Drawdown (ft)	9.70	12.10	12.50					
pH (S.U.)	6.79	6.79	6.81					
Sp. Cond. (mS/cm)	0.828	0.824	0.830					
Turbidity (NTUs)	16.70	14.60	14.10					
Dissolved Oxygen (mg/L)	3.62	3.56	3.48					
Water Temperature (°C)	7.74	7.50	7.55					
ORP (mV)	-54.20	-55.00	-53.00					

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

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

COMMENTS/OBSERVATIONS: Start purging at 1208. Start sampling at 0630 on 04/02/2021.
Well went dry after 1220.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr: 4/1/2021
Field Personnel: Tony Ye
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: GP-9S
____ Upgradient ____ Downgradient
Weather Conditions: Cloudy
Air Temperature: 32 ° F
Total Depth (TWD) Below Top of Casing: 17.3 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =: 6.75 1/100 ft
Length of Water Column (LWC) = TWD - DGW =: 10.55 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0 = 0.43 gal
3 Casing Volumes =: 1.29 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 0.5 gal

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: ____ 1/100 ft
Height of Riser (above land surface): ____ 1/100 ft
Land Surface Elevation: ____ 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100				
Time (Military)	13:15	13:20	13:25	13:30				
Depth to Groundwater Below Top of Casing (ft)	7.90	8.20	9.80	10.70				
Drawdown (ft)	1.15	1.45	3.05	3.95				
pH (S.U.)	6.83	6.81	6.76	6.74				
Sp. Cond. (mS/cm)	0.656	0.665	0.675	0.655				
Turbidity (NTUs)	42.40	49.90	70.00	55.30				
Dissolved Oxygen (mg/L)	4.04	3.70	3.06	2.93				
Water Temperature (°C)	6.30	6.49	6.24	6.05				
ORP (mV)	-45.60	-59.90	-71.20	-74.70				

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

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

COMMENTS/OBSERVATIONS: Start purging at 1312. Start sampling at 1330.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/1/2021
Field Personnel: Tony Ye
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: GP-10S
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy
Air Temperature: 32
Total Depth (TWD) Below Top of Casing = 15 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 9.85 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 5.15 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.21 gal
3 Casing Volumes = 0.63 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectior: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove 0.75 gal

Casing Diameter: 1 inches
Casing Material: PVC
Measuring Point Elevation: 689.10 1/100 ft
Height of Riser (above land surface): -0.10 1/100 ft
Land Surface Elevation: 689.2 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

						7/10/17 post sample		
Flow Rate (ml/min)	100	100	100	100	100			
Time (Military)	11:25	11:30	11:35	11:42	17:00			
Depth to Groundwater Below Top of Casing (ft)	10.50	11.15	12.20	13.90	Dry			
Drawdown (ft)	0.65	1.30	2.35	4.05	-			
pH (S.U.)	6.56	6.57	6.55	6.60	6.65			
Sp. Cond. (mS/cm)	1.208	1.009	0.961	0.986	0.846			
Turbidity (NTUs)	12.60	12.20	-	17.60	16.00			
Dissolved Oxygen (mg/L)	3.80	4.34	6.33	6.27	8.70			
Water Temperature (°C)	9.45	9.28	3.63	8.82	7.73			
ORP (mV)	-11.90	-22.80	-30.40	-31.30	-36.9			

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

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

COMMENTS/OBSERVATIONS: Start purging at 1120. Start sampling at 0830 on 04/02/2021.
Well went dry at 1145, returned to purge one more flow cell volume at 1700.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/1/2021
Field Personnel Tony Ye
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # GP-14S
Upgradient Downgradient
Weather Conditions Cloudy
Air Temperature 32
Total Depth (TWD) Below Top of Casing 15 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 6.55 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 8.45 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.34 gal
3 Casing Volumes = 1.03 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 1.5 gal

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 687.69 1/100 ft
Height of Riser (above land surface) -1.74 1/100 ft
Land Surface Elevation 689.4 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150	150		
Time (Military)	10:30	10:50	10:55	10:58	11:01	11:04		
Depth to Groundwater Below Top of Casing (ft)	7.85	8.45	9.20	10.00	10.45	11.00		
Drawdown (ft)	1.30	1.90	2.65	3.45	3.90	4.45		
pH (S.U.)	7.41	7.31	7.30	7.25	7.19	7.16		
Sp. Cond. (mS/cm)	0.373	0.374	0.632	0.349	0.329	0.336		
Turbidity (NTUs)	15.00	12.60	11.20	15.40	35.20	30.90		
Dissolved Oxygen (mg/L)	11.95	10.00	9.65	9.29	8.96	9.03		
Water Temperature (°C)	9.67	9.27	9.24	8.89	9.16	9.08		
ORP (mV)	-63.40	-71.00	-70.00	-60.40	-53.8	-52.1		

Physical appearance at start Color Clear
Odor None
Sheen/Free Produc None

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

COMMENTS/OBSERVATIONS Start purging at 1027. Start sampling at 1200.
Turbidity did not stabilize, began sampling when other water quality parameters remained steady.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/1/2021
Field Personnel Tony Ye
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # GP-15S
Upgradient Downgradient
Weather Conditions Cloudy
Air Temperature 32
Total Depth (TWD) Below Top of Casing 14.82 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 1.15 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 13.67 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.56 gal
3 Casing Volumes = 1.67 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 1.5 gal

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 687.69 1/100 ft
Height of Riser (above land surface) -0.31 1/100 ft
Land Surface Elevation 688.0 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	200	200	200			
Time (Military)	15:00	15:05	15:10	16:20	16:25			
Depth to Groundwater Below Top of Casing (ft)	2.90	5.40	7.60	-	-			
Drawdown (ft)	1.75	4.25	6.45	-	-			
pH (S.U.)	7.57	7.43	7.44	9.30	9.9			
Sp. Cond. (mS/cm)	0.320	0.321	0.328	0.378	0.380			
Turbidity (NTUs)	-	29.10	19.40	17.00	-			
Dissolved Oxygen (mg/L)	5.67	7.13	5.40	11.23	9.64			
Water Temperature (°C)	4.49	4.33	4.94	7.56	7.41			
ORP (mV)	41.20	42.90	40.40	62.50	60.7			

Physical appearance at start Color Clear
Odor None
Sheen/Free Produc None

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

COMMENTS/OBSERVATIONS Start purging at 1457. Start sampling at 1630.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/1/2021
Field Personnel Tony Ye
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # GP-16S
Upgradient Downgradient
Weather Conditions Cloudy
Air Temperature 32
Total Depth (TWD) Below Top of Casing 17.52 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.71 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 9.81 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.40 gal
3 Casing Volumes = 1.20 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 1.5 gal

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 687.69 1/100 ft
Height of Riser (above land surface) -0.31 1/100 ft
Land Surface Elevation 688.0 1/100 ft
Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	100	100	100				
Time (Military)	15:40	15:45	15:55	16:00				
Depth to Groundwater Below Top of Casing (ft)	*	*	*	*				
Drawdown (ft)	-	-	-	-				
pH (S.U.)	7.53	7.50	7.48	7.50				
Sp. Cond. (mS/cm)	0.475	0.475	0.475	0.476				
Turbidity (NTUs)	-	11.84	7.34	5.21				
Dissolved Oxygen (mg/L)	3.88	3.14	2.78	2.80				
Water Temperature (°C)	5.89	5.73	5.49	5.42				
ORP (mV)	49.20	42.90	38.50	36.50				

Physical appearance at start Color Clear
Odor None
Sheen/Free Produc None

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

COMMENTS/OBSERVATIONS Start purging at 1537. Start sampling at 1600.
*Water levels were not taken due to difficulty accessing the well from equipment location.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 04/01/21

Field Personnel Tony Ye

Site Name **Former Scott Aviation Site - Lancaster, NY**

AECOM Job # **60536398**

Well ID # GP-18S

Upgradient Downgradient

Weather Conditions Cloudy

Air Temperature 32

Total Depth (TWD) Below Top of Casing 18 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 7.71 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 10.29 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.42 gal

3 Casing Volumes = 1.26 gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 1.5 gal

Casing Diameter 0.75 inches

Casing Material PVC

Measuring Point Elevation 690.37 1/100 ft

Height of Riser (above land surface) 2.87 1/100 ft

Land Surface Elevation 687.5 1/100 ft

Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100					
Time (Military)	14:00	14:05	14:10					
Depth to Groundwater Below Top of Casing (ft)	8.50	10.08	11.10					
Drawdown (ft)	0.79	2.37	3.39					
pH (S.U.)	6.98	6.98	6.97					
Sp. Cond. (mS/cm)	0.545	0.515	0.501					
Turbidity (NTUs)	101.00	98.00	90.00					
Dissolved Oxygen (mg/L)	3.23	3.12	2.74					
Water Temperature (°C)	6.81	6.32	5.99					
ORP (mV)	-47.30	-52.00	-54.60					

Physical appearance at start Color Clear

Odor None

Sheen/Free Produc None

Physical appearance at sampling Color Clear

Odor None

Sheen/Free Product None

COMMENTS/OBSERVATIONS Start purging at 1358. Start sampling at 0730 on 04/02/2021.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/5/2021
Field Personnel: Tony Ye / Ann Marie Kropovitch
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-30
Upgradient ____ Downgradient ____
Weather Conditions: Cloudy
Air Temperature: 50
Total Depth (TWD) Below Top of Casing: 20 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 3.87 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 16.13 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.66 gal
3 Casing Volumes = 1.97 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.5 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: ____ 1/100 ft
Height of Riser (above land surface): 0.00 1/100 ft
Land Surface Elevation: ____ 1/100 ft
Screened Interval (below land surfac: 10-20 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	15:19	15:24	15:34	15:39	15:44			
Depth to Groundwater Below Top of Casing (ft)	3.85	5.50	7.50	9.10	8.82			
Drawdown (ft)	-0.02	1.63	3.63	5.23	4.95			
pH (S.U.)	7.66	7.45	7.27	7.30	7.32			
Sp. Cond. (mS/cm)	0.145	0.139	0.133	0.132	0.136			
Turbidity (NTUs)	5.75	3.19	4.15	6.58	7.17			
Dissolved Oxygen (mg/L)	3.21	2.07	1.35	1.26	1.18			
Water Temperature (°C)	12.63	12.38	12.19	12.14	12.24			
ORP (mV)	11.00	-17.10	-29.60	-33.60	-36.3			

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

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

COMMENTS/OBSERVATIONS: Start purging at 1517. Start sampling at 1546.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/5/2021

Field Personnel Tony Ye / Ann Marie Kropovitch

Site Name **Former Scott Aviation Site - Lancaster, NY**

AECOM Job # **60536398**

Well ID # MW-35S

Upgradient Downgradient

Weather Conditions Sunny

Air Temperature 52 ° F

Total Depth (TWD) Below Top of Casing 14.01 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 1.1 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 12.91 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.53 gal

3 Casing Volumes = 1.58 gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 1.5 gal

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 688.56 1/100 ft

Height of Riser (above land surface) -0.54 1/100 ft

Land Surface Elevation 689.1 1/100 ft

Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	Dup
VOA 40 mL glass	TOC	2	HCL, 4°C	--

FIELD ANALYSES

Flow Rate (ml/min)	400	300	200	200	200	150	150	
Time (Military)	9:33	9:40	9:45	9:50	9:55	10:04	10:11	
Depth to Groundwater Below Top of Casing (ft)	1.10	2.40	4.70	4.93	5.15	5.70	6.05	
Drawdown (ft)	0.00	1.30	3.60	3.83	4.05	4.60	4.95	
pH (S.U.)	7.42	6.93	7.30	7.15	7.26	7.28	7.27	
Sp. Cond. (mS/cm)	0.367	0.369	0.365	0.337	0.293	0.271	0.279	
Turbidity (NTUs)	9.42	10.11	12.18	13.90	13.4	13.1	10.77	
Dissolved Oxygen (mg/L)	13.23	11.70	11.16	10.81	10.6	10.72	10.45	
Water Temperature (°C)	8.89	9.00	9.16	9.18	9.12	8.64	8.73	
ORP (mV)	42.70	52.20	51.90	55.70	51.4	52.6	52.3	

Physical appearance at start Color Clear

Odor None

Sheen/Free Produc None

Physical appearance at sampling Color Clear

Odor None

Sheen/Free Product None

COMMENTS/OBSERVATIONS Start purging at 0931. Start sampling at 1016.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/5/2021

Field Personnel Tony Ye / Ann Marie Kropovitch

Site Name **Former Scott Aviation Site - Lancaster, NY**

AECOM Job # **60536398**

Well ID # MW-35D

Upgradient Downgradient

Weather Conditions Sunny

Air Temperature 52

Total Depth (TWD) Below Top of Casing 25.22 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 6.4 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 18.82 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.77 gal

3 Casing Volumes = 2.30 gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 1.5 gal

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 698.66 1/100 ft

Height of Riser (above land surface) 2.83 1/100 ft

Land Surface Elevation 687.1 1/100 ft

Screened Interval (below land surface) 21-26 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	200	200				
Time (Military)	10:44	10:50	10:55	11:00				
Depth to Groundwater Below Top of Casing (ft)	7.70	8.50	9.20	10.00				
Drawdown (ft)	1.30	2.10	2.80	3.60				
pH (S.U.)	7.65	7.76	8.21	8.55				
Sp. Cond. (mS/cm)	0.286	0.284	0.283	0.282				
Turbidity (NTUs)	9.70	13.77	12.00	12.40				
Dissolved Oxygen (mg/L)	7.81	6.97	6.82	6.71				
Water Temperature (°C)	11.42	11.42	11.28	11.15				
ORP (mV)	74.30	78.80	76.10	75.20				

Physical appearance at start Color Clear

Odor None

Sheen/Free Product None

Physical appearance at sampling Color Clear

Odor None

Sheen/Free Product None

COMMENTS/OBSERVATIONS Start purging at 1042. Start sampling at 1115.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/6/2021

Field Personnel Tony Ye / Ann Marie Kropovitch

Site Name **Former Scott Aviation Site - Lancaster, NY**

AECOM Job # **60536398**

Well ID # MW-36S

Upgradient Downgradient

Weather Conditions Clear

Air Temperature 43

Total Depth (TWD) Below Top of Casing 17.7 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 2.28 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 15.42 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.63 gal

3 Casing Volumes = 1.89 gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 2 gal

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 689.82 1/100 ft

Height of Riser (above land surface) 2.72 1/100 ft

Land Surface Elevation 687.1 1/100 ft

Screened Interval (below land surface) 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	8:53	9:01	9:06	9:12	9:20			
Depth to Groundwater Below Top of Casing (ft)	4.20	5.35	6.25	7.25	8.30			
Drawdown (ft)	1.92	3.07	3.97	4.97	6.02			
pH (S.U.)	7.17	7.08	7.10	7.11	7.11			
Sp. Cond. (mS/cm)	0.610	0.610	0.612	0.614	0.619			
Turbidity (NTUs)	3.13	2.68	3.96	3.38	3.25			
Dissolved Oxygen (mg/L)	18.62	6.27	4.52	3.55	2.90			
Water Temperature (°C)	7.51	7.26	7.18	7.25	7.24			
ORP (mV)	1.00	-57.80	-70.60	-75.40	-78.20			

Physical appearance at start Color Clear

Odor None

Sheen/Free Produc None

Physical appearance at sampling Color Clear

Odor None

Sheen/Free Product None

COMMENTS/OBSERVATIONS Start purging at 0851. Start sampling at 0923.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/6/2021
Field Personnel Tony Ye / Ann Marie Kropovitch
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # **60536398**
Well ID # MW-36D
Upgradient Downgradient
Weather Conditions Clear
Air Temperature 43
Total Depth (TWD) Below Top of Casing 23.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 4.81 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 18.69 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.76 gal
3 Casing Volumes = 2.29 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 1.5 gal

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 689.66 1/100 ft
Height of Riser (above land surface) 2.56 1/100 ft
Land Surface Elevation 687.1 1/100 ft
Screened Interval (below land surface) 16-21 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200		
Time (Military)	9:41	9:46	9:51	9:58	10:04	10:11		
Depth to Groundwater Below Top of Casing (ft)	6.80	8.02	8.96	10.31	11.23	12.39		
Drawdown (ft)	1.99	3.21	4.15	5.50	6.42	7.58		
pH (S.U.)	7.55	7.59	7.60	7.58	7.56	7.50		
Sp. Cond. (mS/cm)	0.748	0.753	0.761	0.772	0.781	0.789		
Turbidity (NTUs)	13.20	15.32	16.14	15.90	12.59	13.00		
Dissolved Oxygen (mg/L)	2.89	2.32	2.01	1.78	1.67	1.60		
Water Temperature (°C)	8.31	8.35	8.53	8.71	8.89	9.06		
ORP (mV)	-37.60	-62.70	-71.80	-80.80	-80.7	-76.3		

Physical appearance at start Color Clear
Odor None
Sheen/Free Produc None

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

COMMENTS/OBSERVATIONS Start purging at 0940. Start sampling at 1050.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/5/2021

Field Personnel Tony Ye / Ann Marie Kropovitch

Site Name **Former Scott Aviation Site - Lancaster, NY**

AECOM Job # **60536398**

Well ID # MW-37D

Upgradient Downgradient

Weather Conditions Clear / Sunny

Air Temperature 53

Total Depth (TWD) Below Top of Casing 22.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 4.12 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 18.38 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.75 gal

3 Casing Volumes = 2.25 gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 1.5 gal

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 690.05 1/100 ft

Height of Riser (above land surface) 2.45 1/100 ft

Land Surface Elevation 687.6 1/100 ft

Screened Interval (below land surface) 15-20 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	150	125	125	125	125		
Time (Military)	14:20	14:25	14:30	14:36	14:44	14:50		
Depth to Groundwater Below Top of Casing (ft)	5.35	6.10	6.40	6.50	6.85	6.90		
Drawdown (ft)	1.23	1.98	2.28	2.38	2.73	2.78		
pH (S.U.)	7.81	7.88	7.97	7.86	7.24	7.32		
Sp. Cond. (mS/cm)	0.553	0.546	0.548	0.568	0.585	0.582		
Turbidity (NTUs)	11.30	4.11	2.41	7.71	2.81	3.75		
Dissolved Oxygen (mg/L)	5.57	3.58	3.08	2.64	2.41	2.19		
Water Temperature (°C)	9.97	9.74	9.85	9.93	9.84	9.93		
ORP (mV)	10.20	2.50	3.09	-22.00	-36.9	-53.5		

Physical appearance at start Color Clear

Odor None

Sheen/Free Produc None

Physical appearance at sampling Color Clear

Odor None

Sheen/Free Product None

COMMENTS/OBSERVATIONS Start purging at 1412. Start sampling at 1454.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/5/2021
Field Personnel: Tony Ye / Ann Marie Kropovitch
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-38D
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 64 ° F
Total Depth (TWD) Below Top of Casing: 20.9 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 3.65 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 17.25 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.70 gal
3 Casing Volumes = 2.11 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.5 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.66 1/100 ft
Height of Riser (above land surface): 2.72 1/100 ft
Land Surface Elevation: 687.5 1/100 ft
Screened Interval (below land surfac: 16-21 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200		
Time (Military)	11:56	12:01	12:08	12:13	12:18	12:23		
Depth to Groundwater Below Top of Casing (ft)	4.82	6.30	7.47	8.60	9.70	10.85		
Drawdown (ft)	1.17	2.65	3.82	4.95	6.05	7.20		
pH (S.U.)	7.51	7.33	7.41	7.47	7.49	7.43		
Sp. Cond. (mS/cm)	0.682	0.686	0.692	0.691	0.692	0.695		
Turbidity (NTUs)	7.22	7.15	10.82	7.72	6.97	9.04		
Dissolved Oxygen (mg/L)	4.21	2.87	2.38	2.45	2.31	2.08		
Water Temperature (°C)	10.46	10.24	10.57	10.15	10.16	10.41		
ORP (mV)	-83.20	-92.30	-93.50	-90.20	-84.9	-87.4		

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

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

COMMENTS/OBSERVATIONS: Start purging at 1153. Start sampling at 1230.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/5/2021
Field Personnel: Tony Ye / Ann Marie Kropovitch
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-39D
Upgradient ____ Downgradient ____
Weather Conditions: Sunny
Air Temperature: 53

Total Depth (TWD) Below Top of Casing: 22.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 3.8 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 18.8 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.77 gal
3 Casing Volumes = 2.30 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.5 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.72 1/100 ft
Height of Riser (above land surface): 2.57 1/100 ft
Land Surface Elevation: 687.4 1/100 ft
Screened Interval (below land surfac: 15-20 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	150	150	150	150	150		
Time (Military)	13:22	13:27	13:33	13:40	13:46	13:53		
Depth to Groundwater Below Top of Casing (ft)	5.43	6.44	7.54	8.63	8.52	10.36		
Drawdown (ft)	1.68	2.69	3.79	4.88	4.77	6.61		
pH (S.U.)	6.72	6.75	6.96	7.08	7.04	6.95		
Sp. Cond. (mS/cm)	0.516	0.508	0.512	0.518	0.525	0.539	.	
Turbidity (NTUs)	44.30	39.70	40.90	41.70	31.5	33.2		
Dissolved Oxygen (mg/L)	4.55	3.19	2.78	2.24	2	1.8		
Water Temperature (°C)	10.53	10.13	10.07	10.16	10.29	10.33		
ORP (mV)	-16.80	-27.10	-34.50	-37.00	-40.8	-45.3		

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

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

COMMENTS/OBSERVATIONS: Start purging at 1400. Start sampling at 1403.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/2/2021
Field Personnel: Tony Ye
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-40D
Upgradient ____ Downgradient ____
Weather Conditions: Cloudy / Light Snow
Air Temperature: 32
Total Depth (TWD) Below Top of Casing: 22.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 2.9 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 19.6 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 2.77 gal
3 Casing Volumes = 8.31 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.5 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.19 1/100 ft
Height of Riser (above land surface): -0.3 1/100 ft
Land Surface Elevation: 689.5 1/100 ft
Screened Interval (below land surfac: 17.8-22.8 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	
Various	MNA Analyses	15	Varies	

FIELD ANALYSES

Flow Rate (ml/min)	150	100	100	100				
Time (Military)	11:25	11:30	11:35	11:40				
Depth to Groundwater Below Top of Casing (ft)	4.90	5.70	6.70	7.20				
Drawdown (ft)	2.00	2.80	3.80	4.30				
pH (S.U.)	7.60	7.34	7.43	7.65				
Sp. Cond. (mS/cm)	0.585	0.580	0.579	0.581				
Turbidity (NTUs)	13.80	14.30	11.60	13.60				
Dissolved Oxygen (mg/L)	3.34	2.64	2.34	2.19				
Water Temperature (°C)	9.84	9.36	9.28	9.20				
ORP (mV)	-156.90	-185.00	-189.00	-186.40				

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

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

COMMENTS/OBSERVATIONS: Start purging at 1122. Start sampling at 1140.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/2/2021
Field Personnel: Tony Ye
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-42S
___ Upgradient ___ Downgradient
Weather Conditions: Cloudy / Light Snow
Air Temperature: 29
Total Depth (TWD) Below Top of Casing: 14.3 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 0.5 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 13.8 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.56 gal
3 Casing Volumes = 1.69 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.5 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.08 1/100 ft
Height of Riser (above land surface): -0.58 1/100 ft
Land Surface Elevation: 689.66 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100			
Time (Military)	10:14	10:17	10:20	10:23	10:26			
Depth to Groundwater Below Top of Casing (ft)	1.40	2.10	2.60	3.20	3.60			
Drawdown (ft)	0.90	1.60	2.10	2.70	3.10			
pH (S.U.)	12.88	12.82	12.72	12.57	12.53			
Sp. Cond. (mS/cm)	1.157	1.187	1.199	1.213	1.221			
Turbidity (NTUs)	4.63	3.11	2.80	2.73	2.56			
Dissolved Oxygen (mg/L)	3.70	3.06	2.73	2.52	2.33			
Water Temperature (°C)	8.40	7.81	7.91	7.88	8.05			
ORP (mV)	-91.20	-99.90	-102.70	-102.30	-103.1			

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

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

COMMENTS/OBSERVATIONS: Start purging at 1011. Start sampling at 1030.

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/2/2021
Field Personnel: Tony Ye
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-43S
Upgradient ____ Downgradient ____
Weather Conditions: Cloudy / Light Snow
Air Temperature: 29
Total Depth (TWD) Below Top of Casing: 14.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 2 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 12.5 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.51 gal
3 Casing Volumes = 1.53 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.5 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: 689.14 1/100 ft
Height of Riser (above land surface): -0.46 1/100 ft
Land Surface Elevation: 689.6 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100				
Time (Military)	9:33	9:47	9:50	9:53				
Depth to Groundwater Below Top of Casing (ft)	2.70	3.30	3.60	4.20				
Drawdown (ft)	0.70	1.30	1.60	2.20				
pH (S.U.)	12.90	13.05	13.35	13.46				
Sp. Cond. (mS/cm)	0.639	0.672	0.662	0.695				
Turbidity (NTUs)	9.90	7.68	5.86	5.63				
Dissolved Oxygen (mg/L)	4.52	4.99	3.98	3.32				
Water Temperature (°C)	8.65	5.42	6.35	7.64				
ORP (mV)	-47.80	-85.00	-84.80	-82.80				

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

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

COMMENTS/OBSERVATIONS: Start purging at 0930. Start sampling at 0955.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr): 4/2/2021
Field Personnel: Tony Ye
Site Name: **Former Scott Aviation Site - Lancaster, NY**
AECOM Job #: **60536398**
Well ID #: MW-44S
Upgradient ____ Downgradient ____
Weather Conditions: Cloudy / Light Snow
Air Temperature: 29
Total Depth (TWD) Below Top of Casing: 15 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 0.2 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 14.8 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.60 gal
3 Casing Volumes = 1.81 gal
Method of Well Evacuation: Peristaltic Pump
Method of Sample Collectio: Peristaltic Pump/Poly Tubing
Total Volume of Water Remove: 1.5 gal

Casing Diameter: 2 inches
Casing Material: PVC
Measuring Point Elevation: ____ 1/100 ft
Height of Riser (above land surface): 0.00 1/100 ft
Land Surface Elevation: ____ 1/100 ft
Screened Interval (below land surfac: 5-15 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TOC	2	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	100	100	100	100		
Time (Military)	9:00	9:03	9:06	9:09	9:12	9:15		
Depth to Groundwater Below Top of Casing (ft)	1.00	1.90	2.60	3.00	3.40	3.70		
Drawdown (ft)	0.80	1.70	2.40	2.80	3.20	3.50		
pH (S.U.)	12.88	13.42	13.53	13.63	13.64	13.66		
Sp. Cond. (mS/cm)	0.490	0.502	0.507	0.507	0.506	0.506		
Turbidity (NTUs)	12.00	13.82	14.38	11.23	13.03	13.01		
Dissolved Oxygen (mg/L)	9.55	7.86	6.87	6.25	5.65	5.09		
Water Temperature (°C)	6.32	6.32	6.14	5.85	5.66	5.54		
ORP (mV)	28.80	-13.60	-32.60	-42.70	-50.2	-55.1		

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

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

COMMENTS/OBSERVATIONS: Start purging at 0900. Start sampling at 0920.

Appendix D

Institutional Controls and Engineering Controls Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C915233

Site Name Former Scott Aviation Facility (Area 1)

Site Address: 215 and 221 Erie Street Zip Code: 14086
City/Town: Lancaster
County: Erie
Site Acreage: 1.250

~~Reporting Period: April 01, 2020 to April 01, 2021~~

Reporting Period: April 17, 2020 to April 09, 2021

	YES	NO
1. Is the information above correct?	☐	X
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	X

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

	YES	NO
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915233 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
104.16-5-8	AVOX Systems, Inc.	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan Monitoring Plan IC/EC Plan

An Environmental Easement was filed with the Erie County Clerk's Office on November 19, 2015. The Controlled Property may be used for commercial and industrial use as long as the following long-term institutional controls are employed: (1) restrict the use of site groundwater as a source of potable or process water without necessary water quality treatment as determined by the NYSDOH or Erie County Department of Health; (2) all future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Management Plan; and (3) monitoring to assess the performance and effectiveness of the remedy must be conducted as defined in the Site management Plan.

104.16-5-9	AVOX Systems, Inc.	Soil Management Plan Monitoring Plan IC/EC Plan Ground Water Use Restriction Landuse Restriction Site Management Plan

An Environmental Easement was filed with the Erie County Clerk's Office on November 19, 2015. The Controlled Property may be used for commercial and industrial use as long as the following long-term institutional controls are employed: (1) restrict the use of site groundwater as a source of potable or process water without necessary water quality treatment as determined by the NYSDOH or Erie County Department of Health; (2) all future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Management Plan; and (3) monitoring to assess the performance and effectiveness of the remedy must be conducted as defined in the Site management Plan.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C915233

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Dino Zack, PG, STS at AECOM, 257 West Genesee St., Suite 400, Buffalo, NY 14202,
print name print business address
am certifying on behalf of Scott Figgie LLC (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

05/26/21

Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification